

Wissensbilanz 2023 - Bibliographischer Nachweis

Erstauflagen von wissenschaftlichen Fach- oder Lehrbüchern

Carlin, B. N., & Ho Chung, J. K. (2023). 2304 Plans for a House with No-Style. Limbo Press.

[Link](#)

102 Informatik

201 Bauwesen

604 Kunstwissenschaften

Hasler, T., & Tomaselli, M. (2023). Eine Skizzenfibel. Park Books.

[Link](#)

201 Bauwesen

Wolff-Plottegg, M. (2023). RAUMZUCKUNGEN. Sonderzahl227.

[Link](#)

102 Informatik

201 Bauwesen

604 Kunstwissenschaften

Gstöttner, C. (2023). Analysis and Control of Flat Systems by Geometric Methods (A. Kugi, K. Schlacher, & W. Kemmetmüller, Eds.; Vol. 59). Shaker Verlag GmbH. <http://hdl.handle.net/20.500.12708/175842>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Krämer, C. (2023). Magnetic Equivalent Circuit Modeling and Optimal Control of a Permanent Magnet Linear Synchronous Motor (A. Kugi, K. Schlacher, & W. Kemmetmüller, Eds.; Vol. 60). Shaker Verlag GmbH. <http://hdl.handle.net/20.500.12708/175839>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Eichler, C. C., Schranz, C., Krischmann, T., & Urban, H. (2023). BIMcert Handbuch?: Grundlagenwissen openBIM. Ausgabe 2023 (Auflage 2023). Mironde-Verlag. <https://doi.org/10.34726/4161>

[Link](#)

201 Bauwesen

Eichler, C. C., Schranz, C., Krischmann, T., & Urban, H. (2023). BIMcert Handbook?: Basic Knowledge openBIM. Edition 2023 (Edition 2023). Mironde-Verlag. <https://doi.org/10.34726/4162>

[Link](#)

201 Bauwesen

Tamburelli, P. P. (2023). Grundkurs. Mack. <http://hdl.handle.net/20.500.12708/176980>

[Link](#)

201 Bauwesen

Zunk, B. M., Grbenic, S., Baumüller, J., & Grünbichler, R. (2023). Übungen zur Kostenrechnung. Beispiele – Fallstudien – Musterklausuren (3.). LexisNexis.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

- Durakbasa, N. M., & Gençyilmaz, M. G. (Eds.). (2023). Towards Industry 5.0 (1st ed.). Springer Nature Switzerland AG. <https://doi.org/10.1007/978-3-031-24457-5>
[Link](#)
102 Informatik
202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau
- Taheri, J., Dustdar, S., Zomaya, A., & Deng, S. (2023). Edge Intelligence. Springer. <https://doi.org/10.1007/978-3-031-22155-2>
[Link](#)
102 Informatik
- Vu, M. N. (2023). Fast trajectory planning frameworks for robotic systems (A. Kugi, K. Schlacher, & W. Kemmettmüller, Eds.; Vol. 62). Shaker. <http://hdl.handle.net/20.500.12708/187191>
[Link](#)
202 Elektrotechnik, Elektronik, Informationstechnik
- Psenner, A. (2023). Stadtparterre. Erdgeschoss, Straße, Hof und deren Übergänge. Jovis. <http://hdl.handle.net/20.500.12708/187018>
[Link](#)
201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung
509 Andere Sozialwissenschaften
- Zunk, B. M., Grbenic, S., Baumüller, J., & Bauer, U. (2023). Kostenrechnung?: Einführung - Methoden - Anwendungsfälle (5.). LexisNexis.
[Link](#)
211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften
- Kropik, A. (2023). Bauvertrags- und Nachtragsmanagement?: Bauvertrag und ÖNORM B 2110 und B 2118 (2nd ed.).
[Link](#)
201 Bauwesen
502 Wirtschaftswissenschaften
- Sopp, K., Baumüller, J., & Scheid, O. (2023). Nachhaltigkeitsberichterstattung?: Nichtfinanzielle Berichterstattung nach dem CSR-RUG, Neuerungen durch die CSRD und die ESRS?: Problemfelder und Lösungsansätze?: Gestaltungsoptionen und Praxisbeispiele?: QR-Codes zu nichtfinanziellen Berichten (3.). NWB Verlag.
[Link](#)
211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften
- Aschauer, A. (2023). Optimal Scheduling in a Hot Rolling Mill for Refractory Metals (Vol. 63). Shaker.
[Link](#)
202 Elektrotechnik, Elektronik, Informationstechnik
- Zimmermann, H. (2023). Ultra-Sensitive PIN and Avalanche Photodiode Receivers. IOP Publishing. <https://doi.org/10.1088/978-0-7503-5437-0>
[Link](#)
202 Elektrotechnik, Elektronik, Informationstechnik
- Bertlmann, R., & Friis, N. (2023). Modern Quantum Theory?: From Quantum Mechanics to Entanglement

and Quantum Information. Oxford University Press. <https://doi.org/10.1093/oso/9780199683338.001.0001>

[Link](#)

103 Physik, Astronomie

Villa, R. M. (2023). Upon Entropy. Architectonics of the Image in the Age of Information (Vol. 23).

Birkhäuser. <https://doi.org/10.1515/9783035627695>

[Link](#)

201 Bauwesen

Knoflacher, H. (2023). Virus Auto 4.0: Lebensraum für Mensch und Natur in Stadt und Land. Alexander Verlag.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Hartmuth, M., & Jäger-Klein, C. (2023). Eine Kreisstadt zwischen den Welten?: Orientalisierende Architektur der Habsburgerzeit (1878-1918) in Travnik und Mittelbosnien. Leykam.

[Link](#)

201 Bauwesen

601 Geschichte, Archäologie

604 Kunstwissenschaften

Meier, C., Müller, U., Schwarz, R., & Stopczynski, L. (2023). Chez nous.

[Link](#)

201 Bauwesen

504 Soziologie

604 Kunstwissenschaften

Ferry, D. K., Oriols, X., & Weinbub, J. (2023). Quantum Transport in Semiconductor Devices: Simulation Using Particles. IOP Publishing. <https://doi.org/10.1088/978-0-7503-5237-6>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Harather, K., Lechner, N., & Schwaderer, C. (2023). Hocker-Bau?: Handbuch für kreatives Werken und räumliches Gestalten?: mit 15 Arbeitsblättern für die schulische und freizeitpädagogische Praxis: Architektur, Design, Kunst, Raumgestaltung, Technik, Werken. Verlag LÄB – Labor für ästhetische Bildung.

[Link](#)

201 Bauwesen

503 Erziehungswissenschaften

605 Andere Geisteswissenschaften

Kulkarni, V., Reddy, S., Clark, T., & Proper, H. (2023). The AI-Enabled Enterprise. Springer. <https://doi.org/10.1007/978-3-031-29053-4>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Hofmann, P. (2023). Hybridfahrzeuge?: Grundlagen, Komponenten, Fahrzeugbeispiele (3.). Springer Vieweg. <https://doi.org/10.1007/978-3-662-66894-8>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Thaler, L. (2023). Artist Lecture Series Vienna?: Lukas Thaler. Artist Lecture Series Vienna.

[Link](#)

201 Bauwesen
504 Soziologie
604 Kunstwissenschaften

Schmid, S., Villanueva, L. G., & Roukes, M. L. (2023). Fundamentals of Nanomechanical Resonators (2.). Springer. <https://doi.org/10.1007/978-3-031-29628-4>

[Link](#)

103 Physik, Astronomie

Hartner-Tiefenthaler, M., Polic-Tögel, S., & Mayer, M. M. (2023). smartWorkLife - Bewusst erholen statt grenzenlos gestresst?: Flexibel und gesund arbeiten in New Ways of Working. Springer. <https://doi.org/10.1007/978-3-662-63129-4>

[Link](#)

102 Informatik
501 Psychologie
502 Wirtschaftswissenschaften

Alberti, L. B., Carlin, B. N., & Gonzalez, M. P. (2023). Refuge from Anguish?: Profugiorum ab ærumna. Limbo Press.

[Link](#)

201 Bauwesen
501 Psychologie
601 Geschichte, Archäologie

Preim, B., Raidou, R. G., Smit, N., & Lawonn, K. (2023). Visualization, Visual Analytics and Virtual Reality in Medicine?: State-Of-the-art Techniques and Applications. Academic Press Elsevier.

[Link](#)

101 Mathematik
102 Informatik
303 Gesundheitswissenschaften

Aigner, W., Miksch, S., Schumann, H., & Tominski, C. (2023). Visualization of Time-Oriented Data (2.). Springer London. <https://doi.org/10.1007/978-1-4471-7527-8>

[Link](#)

102 Informatik

Maierhofer, M., Temmel, E., Lehner, J., Schelling, K. M., & Benz, L. (Eds.). (2023). Space Anatomy. Jovis.

[Link](#)

201 Bauwesen
305 Andere Humanmedizin, Gesundheitswissenschaften
507 Humangeographie, Regionale Geographie, Raumplanung

Lackner, M., & Skowron, P. (2023). Multi-Winner Voting with Approval Preferences. Springer. <https://doi.org/10.1007/978-3-031-09016-5>

[Link](#)

101 Mathematik
102 Informatik

Aigner, A., Cremer-Schäfer, H., & Pilgram, A. (Eds.). (2023). Gesellschaft. Kritik. Ironie. (Vol. 106). LIT Verlag.

[Link](#)

201 Bauwesen
504 Soziologie

Franzl, G., Reisinger, T., & Hödl-Holl, M. (2023). Technical Framework on Local Energy Communities. TF-LEC. Vol. 2 Version 0.5 (G. Franzl & S. Wilker, Eds.). <https://doi.org/10.34726/3882>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schranz, C., Eichler, C. C., Krischmann, T., Urban, H., & Waschl, A. (Eds.). (2023). BIMcert CT Appendix 2022 (4.). Mironde-Verlag. <https://doi.org/10.34726/4121>

[Link](#)

201 Bauwesen

Becker, J., Grandel, T. G., Miessgang, M.-A., Mitteregger, M., & Sattlegger, S. (Eds.). (2023). Vages Terrain?: Fragmente einer Standortwahl von übermorgen. TU Wien Academic Press. <https://doi.org/10.34727/2023/isbn.978-3-85448-055-6>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Mitterer, K., Getzner, M., & Bröthaler, J. (Eds.). (2023). Klimaschutz und Klimawandelanpassung im Bundesstaat. Verlag Österreich. <https://doi.org/10.37942/9783708341422>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

502 Wirtschaftswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Bayer, K., Botzenhart, L., Brücke, P., Kirsch-Soriano da Silva, K., Lötsch, M. S., Neuner, M., De Ruiter, A. J., & Schneider, U. (Eds.). (2023). Common Space Ternitz - Die Summer School. Technische Universität Wien, Institut für Städtebau, Landschaftsarchitektur und Entwerfen, Forschungsbereich Städtebau.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Bretschneider, J., Sattlegger, S., Singer, M., & Schneider, U. (Eds.). (2023). The in-between?: Zwischen Stadt und Hinterland, Maßstäben, Disziplinen, Fragmenten und Systemen. Forschungsbereich Städtebau, TU Wien.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Haddadi Sisakht, B., Jordan, C., & Harasek, M. (Eds.). (2023). OpenFOAM Basic Training (6th ed.). Engineering Fluid Dynamics. <https://doi.org/10.34726/5042>

[Link](#)

204 Chemische Verfahrenstechnik

Güntner, S. A., Hauser, J., Lehner, J., & Reinprecht, C. (Eds.). (2023). The Social Dimension of Social Housing. Spector Books OHG.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Maierhofer, M., Temmel, E., Lehner, J., Schelling, K. M., & Benz, L. (Eds.). (2023). Space Anatomy: die räumliche Dimension österreichischer Gesundheitspraxis. jovis Verlag.

[Link](#)

201 Bauwesen
303 Gesundheitswissenschaften
507 Humangeographie, Regionale Geographie, Raumplanung

Obrist, M., & Putzu, A. (Eds.). (2023). *The Last Grand Tour?: Contemporary phenomena and strategies of living in Italy*. Park Books.

[Link](#)

201 Bauwesen

Dillinger, T., Getzner, M., Kanonier, A., & Zech, S. (Eds.). (2023). *The Colours of Spatial Planning?: Perspectives from the TU Wien's Research Units*. Verlag Österreich. <https://doi.org/10.37942/9783708341514>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Oevermann, H., Polyák, L., Szemző, H., & Mieg, H. (Eds.). (2023). *Open Heritage?: Community-Driven Adaptive Reuse in Europe: Best Practice*. Birkhäuser Verlag GmbH.

[Link](#)

201 Bauwesen

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

De Maio, V., & Brandic, I. (Eds.). (2023). *International Conference on High Performance Computing (Vol. 13999)*. Springer. https://doi.org/10.1007/978-3-031-40843-4_11

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Linzer, H., Tschirk, W., & Biberich, E. (Eds.). (2023). *Trofaiach?: Integrierte Stadtentwicklung für einen Ort des Miteinanders*.

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Getzner, M., Güntner, S. A., Kevdzija, M., Knierbein, S., Renner, A.-T., & Semlitsch, E. (Eds.). (2023). *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023 (Vol. 9)*. TU Wien Academic Press. <https://doi.org/10.34727/2023/isbn.978-3-85448-059-4>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Hensel, M. U., Sunguroglu Hensel, D., Binder, C., & Ludwig, F. (Eds.). (2023). *Introduction to Designing Environments?: Paradigms & Approaches (Vol. 1)*. Springer. <https://doi.org/10.1007/978-3-031-34378-0>

[Link](#)

106 Biologie

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Oevermann, H., Polyák, L., Szemző, H., & Mieg, H. (Eds.). (2023). *Open Heritage?: Community-Driven Adaptive Reuse in Europe: Best Practice*. Birkhäuser. <https://doi.org/10.1515/9783035626827>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Artstein-Avidan, S., Bianchi, G., Colesanti, A., Gronchi, P., Hug, D., Ludwig, M., & Mußnig, F. (Eds.). (2023). *Convex Geometry?: Cetraro, Italy 2021 (Vol. 2332)*. Springer. <https://doi.org/10.1007/978-3-031-37883-6>

[Link](#)

101 Mathematik

Rief-Vernay, B., & Mach, I. (Eds.). (2023). How Pandemics Shape the Metropolitan Space - Impact of Covid-19 on Urban Development in Vienna and Tokyo (Vol. 17). LIT.

[Link](#)

508 Medien- und Kommunikationswissenschaften

509 Andere Sozialwissenschaften

Putz, A., & Rung, H. M. (Eds.). (2023). HochhausBestand?: Bürogebäude der 1950er- und 60er-Jahre. Detail Business Information GmbH. <https://doi.org/10.11129/9783955536169>

[Link](#)

201 Bauwesen

De Ruiter, A. J., Singer, M., Schneider, U., Scheuvs, R., & Fröhlinger, L. (Eds.). (2023). Archdiploma 2023. Fakultät für Architektur und Raumplanung, Technische Universität Wien.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Gebetsroither Michaela, Honic, M., Kovacic, I., Löffler, C., Marx, K., Pamminer, R., Robbi, S., Sustr, C., Schützenhofer, S., & Weber, G. (Eds.). (2023). Paradigmenwechsel in Bau- und Immobilienwirtschaft?: Mit Kreislaufwirtschaft und Digitalisierung die Zukunft gestalten. Springer Spektrum. <https://doi.org/10.1007/978-3-662-68276-0>

[Link](#)

201 Bauwesen

203 Maschinenbau

Mörtenböck, P., & Mooshammer, H. (Eds.). (2023). In/formal Marketplaces: Experiments with Urban Reconfiguration. nai010 publishers.

[Link](#)

201 Bauwesen

604 Kunstwissenschaften

605 Andere Geisteswissenschaften

Kopp, J., & Spadiut, O. (Eds.). (2023). Inclusion Bodies?: Methods and Protocols (Vol. 2617). Springer. <https://doi.org/10.1007/978-1-0716-2930-7>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Hovestadt, L., & Bühlmann, V. (Eds.). (2023). On food?: land- and cityscapes in digital architectonics - a thought experiment (Vol. 18). Birkhäuser. <https://doi.org/10.1515/9783035625943>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Proper, H., van Gils, B., & Haki, K. (Eds.). (2023). Digital Enterprises?: Service-Focused, Digitally-Powered, Data-Fueled. Springer. <https://doi.org/10.1007/978-3-031-30214-5>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Güttel, W. (Ed.). (2023). Successful in Turbulent Times. Leadership, Change Management, and Ambidexterity. Nomos. <https://doi.org/10.5771/9783957104328>

[Link](#)

501 Psychologie

502 Wirtschaftswissenschaften

504 Soziologie

Sharifian, S., Asasian Kolor, N., & Sillanpää, M. (Eds.). (2023). Traditional and Novel Adsorbents for Antibiotics Removal from Wastewater. Elsevier. <https://doi.org/10.1016/C2021-0-03513-6>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Warren, D. S., Dahl, V., Eiter, T., Hermenegildo, M., Kowalski, Robert A., & Rossi, F. (Eds.). (2023). Prolog: The Next 50 Years (Vol. 13900). Springer. <https://doi.org/10.1007/978-3-031-35254-6>

[Link](#)

102 Informatik

Olivares, S., & Weinbub, J. (Eds.). (2023). IWW International Wigner Workshop 2023: Book of Abstracts. Institute for Microelectronics, TU Wien.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Steiger, M., De Biase, D., & Lund, P. (Eds.). (2023). EuroMicropH Open Meeting: Understanding and Exploiting the Impacts of Low pH on Micro-organisms. Programme and Abstracts. <https://doi.org/10.34726/5424>

[Link](#)

106 Biologie

208 Umweltbiotechnologie

209 Industrielle Biotechnologie

Hellmich, C., & Scheiner, S. (Eds.). (2023). X Internationale Conference on Computational Bioengineering (ICCB 2023)?: Programme & Book of Abstracts.

[Link](#)

206 Medizintechnik

211 Andere Technische Wissenschaften

Key, F., De Paoli, M., Wagner, A., & Stender, M. (Eds.). (2023). 10th GACM Colloquium on Computational Mechanics for Young Scientists from Academia and Industry.

[Link](#)

201 Bauwesen

203 Maschinenbau

Steiger, M., & Pflügl, S. (Eds.). (2023). Microbial Stress 2023 - 6th Meeting on Microbial Responses to Stress?: Programme and Abstracts.

[Link](#)

106 Biologie

209 Industrielle Biotechnologie

Achammer, C., & Kovacic, I. (Eds.). (2023). Back to Bauhaus?: Praxisreport 2022. TU Wien. <https://doi.org/10.34726/4265>

[Link](#)

102 Informatik

201 Bauwesen

Beucamp, E., Kaske, R., & Moser, T. (Eds.). (2023). *Objects and Organisms* (Vol. 5). deGruyter. <https://doi.org/10.1515/9783111199702>

[Link](#)

106 Biologie

602 Sprach- und Literaturwissenschaften

604 Kunstwissenschaften

Verhoeven, G. J., Schlegel, J., Wild, B., Wogrin, S., & Carloni, M. (Eds.). (2023). *document | archive | disseminate graffiti-scapes*. *Urban Creativity / AP2*; Pedro Soares Neves. <https://doi.org/10.34726/4683>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Nadel, A., & Rozier, K. Y. (Eds.). (2023). *Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023* (Vol. 4, pp. 1–317). TU Wien Academic Press. <https://doi.org/10.34727/2023/isbn.978-3-85448-060-0>

[Link](#)

102 Informatik

Aiello, M., Barzen, J., Dustdar, S., & Leymann, F. (Eds.). (2023). *Service-Oriented Computing?: 17th Symposium and Summer School, SummerSOC 2023, Heraklion, Crete, Greece, June 25 – July 1, 2023, Revised Selected Papers* (Vol. 1847). Springer. <https://doi.org/10.1007/978-3-031-45728-9>

[Link](#)

102 Informatik

Ilcik, M., Ulschmid, A., & Wimmer, M. (Eds.). (2023). *Proceedings of the 27th Central European Seminar on Computer Graphics?: CESC 2023*. Vienna University of Technology. <https://doi.org/10.34726/5245>

[Link](#)

102 Informatik

Calvo-Zaragoza, J., Pacha, A., & Shatri, E. (Eds.). (2023). *Proceedings of the 5th International Workshop on Reading Music Systems*. <https://doi.org/10.48550/arXiv.2311.04091>

[Link](#)

102 Informatik

Amziane, S., Merta, I., & Page, J. (Eds.). (2023). *Bio-Based Building Materials?: Proceedings of ICBBM 2023* (Vol. 45). Springer. <https://doi.org/10.1007/978-3-031-33465-8>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Semsroth, K., Schwarz, M., & Kubin, S. J. (Eds.). (2023). *Über die “Schönheit” der Stadt?: Geschichte, Wahrnehmung, Wandlungen* (Vol. 16). LIT Verlag.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Sablatnig, R., & Kleber, F. (Eds.). (2023). *Proceedings of the 26th Computer Vision Winter Workshop (CVWW 2023)* (Vol. 3349).

[Link](#)

101 Mathematik

102 Informatik

Jagannathan, H., Martino, J., Karim, Z., Kakushima, K., Timans, P. J., Gousev, E., De Gendt, S., Misra, D., Obeng, Y., Roozeboom, F., Nguyen, B., Raskin, J., Gamiz, F., Selberherr, S., Simoen, E., & Ishii, H. (Eds.). (2023). Silicon Compatible Emerging Materials, Processes, and Technologies for Advanced CMOS and Post-CMOS Applications 13 & Advanced CMOS-Compatible Semiconductor Devices 20 (Vol. 111). ECS The Electrochemical Society.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Michahelles, F., Knierim, P., & Häkkinen, J. (Eds.). (2023). MUM '23: Proceedings of the 22nd International Conference on Mobile and Ubiquitous Multimedia. Association for Computing Machinery. <https://doi.org/10.1145/3626705>

[Link](#)

101 Mathematik

102 Informatik

Krieg, C. (Ed.). (2023). Proceedings of the 3rd Workshop on Open-Source Design Automation (OSDA), 2023. arXiv. <https://doi.org/10.48550/arXiv.2303.18024>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Melenk, J. M., Perugia, I., Schöberl, J., & Schwab, C. (Eds.). (2023). Spectral and High Order Methods for Partial Differential Equations ICOSAHOM 2020+1 (Vol. 137). Springer. <https://doi.org/10.1007/978-3-031-20432-6>

[Link](#)

101 Mathematik

Nagy, B., & Freund, R. (Eds.). (2023). Proceedings of the 13th International Workshop on Non-Classical Models of Automata and Applications (Vol. 388). <https://doi.org/10.4204/EPTCS.388>

[Link](#)

102 Informatik

Avalos Pacheco, A., De Vito, R., & Maire, F. (Eds.). (2023). Bayesian Statistics, New Generations New Approaches?: BAYSM 2022, Montréal, Canada, June 22–23 (Vol. 435). Springer. <https://doi.org/10.1007/978-3-031-42413-7>

[Link](#)

101 Mathematik

Kaindl, H., Mannion, M., & Maciaszek, L. (Eds.). (2023). Proceedings of the 18th International Conference on Evaluation of Novel Approaches to Software Engineering. <https://doi.org/10.5220/0000164200003464>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Almeida, J. P. A., Kaczmarek-Heß, M., Koschmider, A., & Proper, H. (Eds.). (2023). The Practice of Enterprise Modeling?: 16th IFIP Working Conference, PoEM 2023, Vienna, Austria, November 28 – December 1, 2023, Proceedings (Vol. 497). Springer. <https://doi.org/10.1007/978-3-031-48583-1>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Broeckmann, C., Danninger, H., & Sigl, L. (Eds.). (2023). Pulvermetallurgie im Wandel, effizient und nachhaltig (Vol. 38). Heimdall Verlag.

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Prince Sales, T., Proper, H., Guizzardi, G., Montali, M., Maggi, F. M., & Morais Fonseca, C. (Eds.). (2023). Enterprise Design, Operations, and Computing. EDOC 2022 Workshops?: IDAMS, SoEA4EE, TEAR, EDOC Forum, Demonstrations Track and Doctoral Consortium, Bozen-Bolzano, Italy, October 4–7, 2022, Revised Selected Papers (Vol. 466). Springer. <https://doi.org/10.1007/978-3-031-26886-1>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Geringer, B. (Ed.). (2023). Proceedings of the 44th International Vienna Motor Symposium 26 - 28 April 2023 (Vols. 1–3). Österreichischer Verein für Kraftfahrzeugtechnik (ÖVK).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

204 Chemische Verfahrenstechnik

van der Aa, H., Bork, D., Proper, H., & Schmidt, R. (Eds.). (2023). Enterprise, Business-Process and Information Systems Modeling?: 24th International Conference, BPMDS 2023, and 28th International Conference, EMMSAD 2023, Zaragoza, Spain, June 12–13, 2023, Proceedings (Vol. 479). Springer. <https://doi.org/10.1007/978-3-031-34241-7>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Huang, H., van de Weghe, N., & Gartner, G. (Eds.). (2023). Proceedings of the 18th International Conference on Location Based Services. <https://doi.org/10.34726/5400>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ertl, M. A., Hofmann, U., Koch, M., Pöial, J., Rodriguez, B., Stoddart, B., & Reuben, T. (Eds.). (2023). 38th EuroForth Conference. <https://doi.org/10.34726/5401>

[Link](#)

102 Informatik

Kaindl, H., Mannion, M., & Maciaszek, L. (Eds.). (2023). Evaluation of Novel Approaches to Software Engineering 17th International Conference, ENASE 2022, Virtual Event, April 25–26, 2022, Revised Selected Papers (Vol. 1829). <https://doi.org/10.1007/978-3-031-36597-3>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Neidhardt, J., Wörndl, W., Kuflik, T., Goldenberg, D., & Zanker, M. (Eds.). (2023). Proceedings of the Workshop on Recommenders in Tourism co-located with the 17th ACM Conference on Recommender Systems (RecSys 2023) (Vol. 3568).

[Link](#)

102 Informatik

Kuflik, T., Kleanthous, S., Neidhardt, J., & Pera, M. S. (Eds.). (2023). Adjunct Proceedings of the 31st ACM Conference on User Modeling, Adaptation and Personalization. Association for Computing Machinery. <https://doi.org/10.1145/3563359>

[Link](#)

102 Informatik

Kuflik, T., Kleanthous, S., Neidhardt, J., & Pera, M. S. (Eds.). (2023). Proceedings of the 31st ACM Conference on User Modeling, Adaptation and Personalization. Association for Computing Machinery. <https://doi.org/10.1145/3565472>

[Link](#)

102 Informatik

erstveröffentlichte Beiträge in SCI, SSCI oder A&HCI-Fachzeitschriften

Ramach, U., Andersson, J., Schöfbeck, R., & Valtiner, M. (2023). Q-lipid-containing membranes show high in-plane conductivity using a membrane-on-a-chip setup. *IScience*, 26(2), Article 105918. <https://doi.org/10.1016/j.isci.2022.105918>

[Link](#)

103 Physik, Astronomie

Cao, D., Li, Z., Li, W., Pei, K., Zhang, X., Wan, L., Zhao, L., Cherevan, A., Eder, D., & Wang, S. (2023). Correction: Interfacial engineering between SnO₂/MAPbI₃ by maleate pheniramine halides toward carbon counter electrode-based perovskite solar cells with 16.21% efficiency. *Materials Chemistry Frontiers*, 7(6), 1153–1153. <https://doi.org/10.1039/D3QM90014B>

[Link](#)

104 Chemie

Pasik, A. J., Gruber, A., Preimesberger, W., De Santis, D., & Dorigo, W. A. (2023). Corrigendum to “Uncertainty estimation for a new exponential-filter-based long-term root-zone soil moisture dataset from Copernicus Climate Change Service (C3S) surface observations” published in *Geosci. Model Dev.*, 16, 4957–4976, 2023. *Geoscientific Model Development*, 16(17). <https://doi.org/10.5194/gmd-16-4957-2023-corrigendum>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sauras Altuzarra, L. (2023). Correction to: Some applications of Baaz’s generalization method to the study of the factors of Fermat numbers. *Journal of Logic and Computation*. <https://doi.org/10.1093/logcom/exad004>

[Link](#)

101 Mathematik

Torres-Rodríguez, J., Myakala, S. N., Salihovic, M., Musso, M., Hüsing, N., Eder, D., Presser, V., Cherevan, A., & Elsaesser, M. S. (2023). Titania hybrid carbon spherogels for photocatalytic hydrogen evolution. *Carbon*, 202, 487–494. <https://doi.org/10.1016/j.carbon.2022.10.073>

[Link](#)

104 Chemie

Besau, F. G., Hack, T., Pivovarov Peter, & Schuster, F. (2023). Spherical centroid bodies. *American Journal of Mathematics*, 145(2), 515–542. <https://doi.org/10.1353/ajm.2023.0012>

[Link](#)

101 Mathematik

Requate Niklas, Meyer, T., & Hofmann, R. (2023). From wind conditions to operational strategy: optimal planning of wind turbine damage progression over its lifetime. *Wind Energy*, 8(11), 1727–1753. <https://doi.org/10.5194/wes-8-1727-2023>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Friedman, S.-D., Gitman, V., & Müller, S. (2023). Structural properties of the stable core. *Journal of Symbolic Logic*, 1–30. <https://doi.org/10.1017/jsl.2023.10>

[Link](#)

101 Mathematik

Forkel, M., Schmidt, L., Zotta, R.-M., Dorigo, W., & Yebra, M. (2023). Estimating leaf moisture content at global scale from passive microwave satellite observations of vegetation optical depth. *Hydrology and Earth System Sciences*, 27(1), 39–68. <https://doi.org/10.5194/hess-27-39-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kehm, A., Hellmers, H., Bloßfeld, M., Dill, R., Angermann, D., Seitz, F., Hugentobler, U., Dobsław, H., Thomas, M., Thaller, D., Böhm, J., Schönemann, E., Mayer, V., Springer, T., Otten, M., Bruni, S., & Enderle, W. (2023). Combination strategy for consistent final, rapid and predicted Earth rotation parameters. *Journal of Geodesy*, 97(1). <https://doi.org/10.1007/s00190-022-01695-w>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Symonowicz, J. K., Polyushkin, D., Müller, T., & Martino, G. D. (2023). Fully Optical in Operando Investigation of Ambient Condition Electrical Switching in MoS₂ Nanodevices. *Advanced Materials*, Article 2209968. <https://doi.org/10.1002/adma.202209968>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Nguyen, V. H., Tai, L. X. T., Longobucco, M., Buczynski, R., Bugár, I., Astrauskas, I., Pugžlys, A., Baltuška, A., Malomed, B., & Trippenbach, M. (2023). Self-trapping and switching of solitonic pulses in mismatched dual-core highly nonlinear fibers. *Chaos, Solitons and Fractals*, 167, Article 113045. <https://doi.org/10.1016/j.chaos.2022.113045>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Dheeraj Adwani, Sreeram, A., Pipintakos, G., Mirwald, J., Yudi Wang, Ramez Hajj, Ruxin Jing, & Bhasin, A. (2023). Interpreting the effectiveness of antioxidants to increase the resilience of asphalt binders: A global interlaboratory study. *Construction and Building Materials*, 366, Article 130231. <https://doi.org/10.1016/j.conbuildmat.2022.130231>

[Link](#)

104 Chemie

201 Bauwesen

Detz, H., & Butera, V. (2023). Insights into the mechanistic CO₂ conversion to methanol on single Ru atom anchored on MoS₂ monolayer. *Molecular Catalysis*, 535, Article 112878. <https://doi.org/10.1016/j.mcat.2022.112878>

[Link](#)

103 Physik, Astronomie

104 Chemie

210 Nanotechnologie

Werthner, H., Stanger, A., Schiaffonati, V., Knees, P., Hardman, L., & Ghezzi, C. (2023). Digital Humanism: The Time Is Now. *Computer*, 56(1), 138–142. <https://doi.org/10.1109/MC.2022.3219528>

[Link](#)

102 Informatik

Pitthan, E., Cupak, C., Fellingner, M., Moro, M. V., Kioumourtzoglou, S., Moldarev, D., Wolff, M., Aumayr, F., & Primetzhofner, D. (2023). In-situ, real-time investigation of the formation of oxygen-containing rare-earth hydrides by combining a quartz crystal microbalance and ion beam analysis. *Materialia*, 27, 1016751. <https://doi.org/10.1016/j.mtla.2023.101675>

[Link](#)

103 Physik, Astronomie

Delva, P., Altamimi, Z., Blazquez, A., Blossfeld, M., Böhm, J., Bonnefond, P., Boy, J.-P., Bruinsma, S., Bury, G., Chatzinikos, M., Couhert, A., Courde, C., Dach, R., Dehant, V., Dell’Agnello, S., Elgered, G., Enderle, W., Exertier, P., Glaser, S., ... Zajdel, R. (2023). GENESIS: co-location of geodetic techniques in space. *Earth, Planets and Space*, 75(5), Article 5. <https://doi.org/10.1186/s40623-022-01752-w>

[Link](#)

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Navarro, M. A., Sain, S., Wünschek, M., Pichler, C., Romero-Salguero, F. J., Esquivel, D., & Roy, S. (2023). Solar driven CO₂ reduction with a molecularly engineered periodic mesoporous organosilica containing cobalt phthalocyanine. *Nanoscale*. <https://doi.org/10.1039/D2NR06026D>

[Link](#)

103 Physik, Astronomie

104 Chemie

Ötsch, E., Harmening, C., & Neuner, H. (2023). Investigation of space-continuous deformation from point clouds of structured surfaces. *Journal of Applied Geodesy*. <https://doi.org/10.1515/jag-2022-0038>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Caporali, A., Pantano, M., Janisch, L., Regulin, D., Palli, G., & Lee, D. (2023). A Weakly Supervised Semi-Automatic Image Labeling Approach for Deformable Linear Objects. *IEEE Robotics and Automation Letters*, 8(2), 1013–1020. <https://doi.org/10.1109/LRA.2023.3234799>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kriváchy, T., Kaczmarek, K. T., Afzelius, M., Etesse, J., & Haack, G. (2023). Proposal for spin squeezing in rare-earth-ion-doped crystals with a four-color scheme. *Physical Review A*, 107(1), Article 013108. <https://doi.org/10.1103/PhysRevA.107.013108>

[Link](#)

103 Physik, Astronomie

Rapalis, A., Piartli, P., Jankauskaite, L., Marozas, V., & Kaniusas, E. (2023). Induced pain affects auricular and body biosignals: From cold stressor to deep breathing. *Frontiers in Physiology*, 14, Article 1090696. <https://doi.org/10.3389/fphys.2023.1090696>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

206 Medizintechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Andriot, D., & Horer, L. (2023). (Quasi-) de Sitter solutions across dimensions and the TCC bound.

Journal of High Energy Physics, Article 20. [https://doi.org/10.1007/JHEP01\(2023\)020](https://doi.org/10.1007/JHEP01(2023)020)

[Link](#)

103 Physik, Astronomie

Yamada, H., Kaboré, B. A., Bimbilé Somda, N. S., Ntoyi, N. L., de Beer, C. J., Bouyer, J., Caceres, C., Mach, R. L., & GOMEZ-SIMUTA, Y. (2023). Suitability of Raycell MK2 Blood X-ray Irradiator for the Use in the Sterile Insect Technique: Dose Response in Fruit Flies, Tsetse Flies and Mosquitoes. *Insects*, 14(1), 92. <https://doi.org/10.3390/insects14010092>

[Link](#)

106 Biologie

209 Industrielle Biotechnologie

Loimer, T., Podgolin, S. K., Sodagar Abardeh, J., Petukhov, D. I., & Eliseev, A. A. (2023). Influence of heat transfer and wetting angle on condensable fluid flow through nanoporous anodic alumina membranes. *Physical Chemistry Chemical Physics*, 25(4), 3240–3250. <https://doi.org/10.1039/d2cp04577j>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Michotte, C., Courte, S., Coulon, R., Nonis, M., Ratel, G., Maringer, F. J., Brettner-Messler, R., Dziel, T., Listkowska, A., van Rooy, M. W., Van Staden, M., Lubbe, J., & Zimmerman, B. (2023). Update of the BIPM comparison BIPM.RI(II)-K1.I-131 of activity measurements of the radionuclide ¹³¹I to include the 2015 results of the BEV (Austria) and the POLATOM (Poland), the 2017 result of the NMISA (South Africa), and to link the CCRI(II)-S6.I-131 comparison. *Metrologia*, 60, Article 1A. <https://doi.org/10.1088/0026-1394/60/1A/06004>

[Link](#)

103 Physik, Astronomie

Gusev, A., Kiskin, M., Braga, E., Zamnius, E. A., Kryukova, M., Karaush-Karmazin, N., Baryshnikov, G., Minaev, B., & Linert, W. (2023). Structure and emission properties of dinuclear copper(i) complexes with pyridyltriazole. *RSC Advances*, 13(6), 3899–3909. <https://doi.org/10.1039/D2RA06986E>

[Link](#)

103 Physik, Astronomie

104 Chemie

Yesil, E., Imajo, S., Yamashita, S., Akutsu, H., Saito, Y., Pustogow, A., Kawamoto, A., & Nakazawa, Y. (2023). Thermodynamic properties of the Mott insulator-metal transition in a triangular lattice system without magnetic order. *Physical Review B*, 107(4), Article 045133. <https://doi.org/10.1103/PhysRevB.107.045133>

[Link](#)

103 Physik, Astronomie

Hanus, V., Kangaparambil, S., Richter, M., Haßfurth, L., Dorner-Kirchner, M., Paulus, G. G., Xie, X., Baltuška, A., Gräfe, S., & Zeiler, M. (2023). Carrier envelope phase sensitivity of photoelectron circular dichroism. *Physical Chemistry Chemical Physics*. <https://doi.org/10.1039/D2CP03077B>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Sperling, J., Gianani, I., Barbieri, M., & Agudelo, E. (2023). Detector entanglement: Quasidistributions for Bell-state measurements. *Physical Review A*, 107(1), Article 012426. <https://doi.org/10.1103/PhysRevA.107.012426>

[Link](#)

103 Physik, Astronomie

Li, J., Gu, Y., Takahashi, Y., Higashi, K., Kim, T., Cheng, Y., Yang, F., Kuneš, J., Pellicciari, J., Hariki, A., & Bisogni, V. (2023). Single- and Multimagnon Dynamics in Antiferromagnetic α -Fe₂O₃ Thin Films. *Physical Review X*, 13(1), Article 011012. <https://doi.org/10.1103/PhysRevX.13.011012>

[Link](#)

103 Physik, Astronomie

Lis, B., Mommsen, H., & Sterba, J. H. (2023). Production and distribution of White Ware towards the end of Late Bronze Age in Greece. *Journal of Archaeological Science: Reports*, 47, 103812. <https://doi.org/10.1016/j.jasrep.2022.103812>

[Link](#)

103 Physik, Astronomie

104 Chemie

107 Andere Naturwissenschaften

Eiband, T., Liebl, J., Willibald, C., & Lee, D. (2023). Online task segmentation by merging symbolic and data-driven skill recognition during kinesthetic teaching. *Robotics and Autonomous Systems*, 162, Article 104367. <https://doi.org/10.34726/3503>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bradley, R. M., & Hobler, G. (2023). Sputter yields of surfaces with nanoscale textures: Analytical results and Monte Carlo simulations. *Journal of Applied Physics*, 133(6), 065303. <https://doi.org/10.1063/5.0137324>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Raab, M., Zeininger, J., Suchorski, Y., Tokuda, K., & Rupprechter, G. (2023). Emergence of chaos in a compartmentalized catalytic reaction nanosystem. *Nature Communications*, 14, Article 736. <https://doi.org/10.1038/s41467-023-36434-y>

[Link](#)

103 Physik, Astronomie

104 Chemie

Rom, J., Haas, F., Heckmann, T., Altmann, M., Fleischer, F., Ressler, C., Betz-Nutz, S., & Becht, M. (2023). Spatio-temporal analysis of slope-type debris flow activity in Horlachtal, Austria, based on orthophotos and lidar data since 1947. *Natural Hazards and Earth System Sciences*, 23(2), 601–622. <https://doi.org/10.5194/nhess-23-601-2023>

[Link](#)

102 Informatik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Yang, Q., Eder, S. J., Martini, A., & Grützmaier, P. G. (2023). Effect of surface termination on the balance between friction and failure of Ti₃C₂T_x MXenes. *Npj Materials Degradation*, 7, Article 6. <https://doi.org/10.1038/s41529-023-00326-9>

[Link](#)

104 Chemie

203 Maschinenbau

Wang, W., Hua, D., Zhou, Q., Li, S., Eder, S., Shi, J., Wang, Z., Wang, H., & Liu, W. (2023). Effect of a water film on the material removal behavior of Invar during chemical mechanical polishing. *Applied Surface Science*, 616, Article 156490. <https://doi.org/10.1016/j.apsusc.2023.156490>

[Link](#)

103 Physik, Astronomie

104 Chemie

203 Maschinenbau

Riehle, K., Kistler, E., Öhlinger, B., Heitz, C., Ben-Shlomo, D., Jung, R., Mommsen, H., Sterba, J., Gimatzidis, S., Fantalkin, A., Prillwitz, S., Hein, A., Geissler, L., Lehmann, G., Kindberg Jacobsen, J., Posamentir, R., & Schlotzhauer, U. (2023). Neutron activation analysis in Mediterranean Archaeology: current applications and future perspectives. *Archaeological and Anthropological Sciences*, 15, Article 25. <https://doi.org/10.1007/s12520-023-01728-1>

[Link](#)

103 Physik, Astronomie

104 Chemie

107 Andere Naturwissenschaften

Steinhorst, M., Auinger, M., Roch, T., & Leyens, C. (2023). Modelling and corrosion of coated stainless steel substrates for bipolar plates at different temperatures. *Journal of Applied Electrochemistry*. <https://doi.org/10.1007/s10800-023-01855-6>

[Link](#)

101 Mathematik

104 Chemie

205 Werkstofftechnik

Chajda, I., & Länger, H. (2023). Conditions forcing the existence of relative complements in lattices and posets. *Mathematica Slovaca*, 73(1), 15–24. <https://doi.org/10.1515/ms-2023-0003>

[Link](#)

101 Mathematik

Sodagar-Abardeh, J., Asadollahi, A., & Loimer, T. (2023). Mesoscale simulation of the equilibrium state of the confined nanoscale two-phase flow in the presence of corner interface and adsorbed liquid layer. *Chemical Engineering Science*, 270, Article 118563. <https://doi.org/10.1016/j.ces.2023.118563>

[Link](#)

101 Mathematik

203 Maschinenbau

210 Nanotechnologie

Berger, N., van der Wel, T., Hirschmugl, B., Baerenthaler, T., Gindlhuber, J., Fawzy, N., Eichmann, T., Birner-Gruenberger, R., Zimmermann, R., van der Stelt, M., & Wadsack, C. (2023). Inhibition of diacylglycerol lipase β modulates lipid and endocannabinoid levels in the ex vivo human placenta. *Frontiers in Endocrinology*, 14, Article 1092024. <https://doi.org/10.3389/fendo.2023.1092024>

[Link](#)

104 Chemie

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Yeh Ching-Chen, Wang, S.-C., Lo Shun-Tsung, Kim Gil-Ho, Ritchie, D. A., Strasser, G., & Liang, C.-T. (2023). Quantum Hall plateau-plateau transition revisited. *Chinese Journal of Physics*, 82, 149–154. <https://doi.org/10.1016/j.cjph.2022.12.016>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Garmroudi, F., Parzer, M., Riss, A., Pustogow, A., Mori, T., & Bauer, E. (2023). Pivotal role of carrier scattering for semiconductorlike transport in Fe₂VAl. *Physical Review B*, 107(8), Article L081108. <https://doi.org/10.1103/PhysRevB.107.L081108>

[Link](#)

103 Physik, Astronomie

Musleh, M., Muren, L. P., Toussaint, L., Vestergaard, A., Gröller, E., & Raidou, R. G. (2023). Uncertainty guidance in proton therapy planning visualization. *Computers and Graphics*, 111. <https://doi.org/10.1016/>

j.cag.2023.02.002

[Link](#)

101 Mathematik

102 Informatik

Avalos Pacheco, A., Venz, S., Arfè, A., Alexander, B. M., Rahman, R., Wen, P. Y., & trippa, lorenzo. (2023). Validation of Predictive Analyses for Interim Decisions in Clinical Trials. *JCO Precision Oncology*, 7, Article e2200606. <https://doi.org/10.1200/PO.22.00606>

[Link](#)

101 Mathematik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Schmidt, B., Kegler, F., Steinhauser, G., Chyzhevskiy, I., Dubchak, S., Ivesic, C., Koller-Peroutka, M., Laarouchi, A., & Adlassnig, W. (2023). Uptake of Radionuclides by Bryophytes in the Chernobyl Exclusion Zone. *Toxics*, 11(3), Article 218. <https://doi.org/10.3390/toxics11030218>

[Link](#)

104 Chemie

106 Biologie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Romann, P., Kolar, J., Chappuis, L., Herwig, C., Villiger, T. K., & Bielser, J.-M. (2023). Maximizing yield of perfusion cell culture processes: Evaluation and scale-up of continuous bleed recycling. *Biochemical Engineering Journal*, 193, Article 108873. <https://doi.org/10.1016/j.bej.2023.108873>

[Link](#)

304 Medizinische Biotechnologie

Müller, D. F., Wibbing, D., Herwig, C., & Kager, J. (2023). Simultaneous real-time estimation of maximum substrate uptake capacity and yield coefficient in induced microbial cultures. *Computers and Chemical Engineering*, 173, Article 108203. <https://doi.org/10.1016/j.compchemeng.2023.108203>

[Link](#)

209 Industrielle Biotechnologie

304 Medizinische Biotechnologie

Liu, M., Kanitschar, F. P., Arqand, A., & Tan, E. Y.-Z. (2023). Lipschitz continuity of quantum-classical conditional entropies with respect to angular distance and related properties. *Physical Review A*, 107(2), Article 022426. <https://doi.org/10.1103/PhysRevA.107.022426>

[Link](#)

101 Mathematik

102 Informatik

103 Physik, Astronomie

Preinstorfer, P., Yanik, S., Kirnbauer, J., Lees, J. M., & Robisson, A. (2023). Cracking behaviour of textile-reinforced concrete with varying concrete cover and textile surface finish. *Composite Structures*, 312, Article 116859. <https://doi.org/10.1016/j.compstruct.2023.116859>

[Link](#)

201 Bauwesen

Buerstmayr, R., Theska, F., Kozeschnik, E., Webster, R. F., Lison-Pick, M., Street, S. T. G., & Primig, S. (2023). Investigation and Simulation of the Effects of nm-Scale ?' Precipitates on the Recrystallization of Ni-based Superalloys. *Metallurgical and Materials Transactions A*, 54, 2259–2276. <https://doi.org/10.1007/s11661-023-07008-w>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Vijayapritha, S., Nithya, P., Viswanathamurthi, P., Raju, S., & Linert, W. (2023). Efficient ruthenium(II) complex catalyzed N-alkylation of amines and β -alkylation of secondary alcohol via borrowing hydrogen methodology. *Polyhedron*, 235, Article 116351. <https://doi.org/10.1016/j.poly.2023.116351>

[Link](#)

103 Physik, Astronomie

104 Chemie

Zhang, J.-L., Jiang, Z., Liu, X., Yuan, Y., Mang, H., & Pichler, B. (2023). Identification of deformed configurations of segmental tunnel rings based on measured convergences. *Tunnelling and Underground Space Technology*, 135, Article 105033. <https://doi.org/10.1016/j.tust.2023.105033>

[Link](#)

201 Bauwesen

Burshtynska, K., Kokhan, S., Pfeifer, N., Halochkin, M., & Zayats, I. (2023). Hydrological Modeling for Determining Flooded Land from Unmanned Aerial Vehicle Images—Case Study at the Dniester River. *Remote Sensing*, 15(4), Article 1071. <https://doi.org/10.3390/rs15041071>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Galakhova, A., Kadisch, F., Mori, G., Heyder, S., Wieser, H., Sartory, B., Wosik, J., Schwarz, S., & Burger, S. (2023). Corrosion of 1.4016 Ferritic Steel by Urea at High Temperature. *Journal of Materials Engineering and Performance*. <https://doi.org/10.1007/s11665-023-08024-y>

[Link](#)

103 Physik, Astronomie

Gebreslassie, G., Gebrezgiabher, M., Lin, B., Thomas, M., & Linert, W. (2023). Direct Z-Scheme CoFe₂O₄-Loaded g-C₃N₄ Photocatalyst with High Degradation Efficiency of Methylene Blue under Visible-Light Irradiation. *Inorganics*, 11(3), Article 119. <https://doi.org/10.3390/inorganics11030119>

[Link](#)

103 Physik, Astronomie

104 Chemie

Vörös, F., Gartner, G., Peterson, M. P., & Kovács, B. (2023). Do Social Aspects Affect Built-in Car Navigation Habits? A Stereotype Study. *Sustainability*, 15(6), Article 5203. <https://doi.org/10.3390/su15065203>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Vu, M. N., Beck, F., Schwegel, M., Hartl-Nesic, C., Nguyen, A., & Kugi, A. (2023). Machine learning-based framework for optimally solving the analytical inverse kinematics for redundant manipulators. *Mechatronics*, 91, Article 102970. <https://doi.org/10.1016/j.mechatronics.2023.102970>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Gounaris, A., Michailidou, A.-V., & Dustdar, S. (2023). Toward Building Edge Learning Pipelines. *IEEE Internet Computing*, 27(1), 61–69. <https://doi.org/10.1109/MIC.2022.3171643>

[Link](#)

102 Informatik

Schmidt, L., Forkel, M., Zotta, R.-M., Scherrer, S., Dorigo, W. A., Kuhn-Régner, A., van der Schalie, R., & Yebra, M. (2023). Assessing the sensitivity of multi-frequency passive microwave vegetation optical

depth to vegetation properties. *Biogeosciences*, 20(5), 1027–1046. <https://doi.org/10.5194/bg-20-1027-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schrom, S., Kleinegger, F., Anders, I., Hebesberger, T., Karner, C., Liesinger, L., Birner-Gruenberger, R., Renner, W., Pichler, M., Grillari, R., Aigelsreiter, A., & Rinner, B. (2023). MUG CCARly: A Novel Autologous 3D Cholangiocarcinoma Model Presents an Increased Angiogenic Potential. *Cancers*, 15(6), Article 1757. <https://doi.org/10.3390/cancers15061757>

[Link](#)

104 Chemie

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Gusev, A., Braga, E., Karmazina, A., Karmazin, A., Konnik, O., Kiskin, M., Baryshnikov, G., & Linert, W. (2023). Structure-induced luminescence and bioactivities of Zinc(II) complexes with 2-(2,4-dichlorophenoxy)-N'-[pyridin-2-ylmethylene]acetohydrazide. *Inorganica Chimica Acta*, 551, Article 121481. <https://doi.org/10.1016/j.ica.2023.121481>

[Link](#)

103 Physik, Astronomie

104 Chemie

Wang, M., Perez-Morelo, D. J., Ramer, G., Pavlidis, G., Schwartz, J. J., Yu, L., Ilic, R., Centrone, A., & Aksyuk, V. A. (2023). Beating thermal noise in a dynamic signal measurement by a nanofabricated cavity optomechanical sensor. *Science Advances*, 9(11). <https://doi.org/10.1126/sciadv.adf7595>

[Link](#)

102 Informatik

103 Physik, Astronomie

104 Chemie

Orfanos, M., Perakis, H., Gikas, V., Retscher, G., Mpimis, T., Spyropoulou, I., & Papathanasopoulou, V. (2023). Testing and Evaluation of Wi-Fi RTT Ranging Technology for Personal Mobility Applications. *Sensors*, 23(5), Article 2829. <https://doi.org/10.3390/s23052829>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Madelon, R., Rodríguez-Fernández, N. J., Bazzi, H., Baghdadi, N., Albergel, C., Dorigo, W., & Zribi, M. (2023). Soil moisture estimates at 1?km resolution making a synergistic use of Sentinel data. *Hydrology and Earth System Sciences*, 27(6), 1221–1242. <https://doi.org/10.5194/hess-27-1221-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Lis, B., Mommsen, H., Sterba, J. H., & Van Damme, T. (2023). Regional and interregional networks of ancient Eleon during the early 12th century BCE as seen from the petrographic and neutron activation analyses of pottery. *Archaeometry*. <https://doi.org/10.1111/arcm.12864>

[Link](#)

103 Physik, Astronomie

104 Chemie

107 Andere Naturwissenschaften

Fenz, S., Giannakis, G., Bergmayr, J., & Iousef, S. (2023). RenoDSS - a BIM-based building renovation

decision support system. *Energy and Buildings*, Article 112999. <https://doi.org/10.1016/j.enbuild.2023.112999>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Ilo, A., Bruckner, H., Olofsgard, M., Adamcova, M., & Werner, A. (2023). Viable Fully Integrated Energy Community Based on the Holistic LINK Approach. *Energies*, 16(6), 2935. <https://doi.org/10.3390/en16062935>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kevdzija, M., Laviano, A., Worf, I., Schuh, C., Tarantino, S., & Hiesmayr, M. (2023). Indirect Nutrition and Mobility Risks during Hospitalization: An Architectural Perspective on the nutritionDay Study Findings. *Nutrients*, 15(6), Article 1527. <https://doi.org/10.3390/nu15061527>

[Link](#)

201 Bauwesen

303 Gesundheitswissenschaften

Song, M., Bura, E., Parzer, R., & Pfeiffer, R. (2023). Structured time-dependent inverse regression (STIR). *Statistics in Medicine*. <https://doi.org/10.1002/sim.9670>

[Link](#)

101 Mathematik

Chakrabarti, B., Shelley, M. J., & Fürthauer, S. (2023). Collective Motion and Pattern Formation in Phase-Synchronizing Active Fluids. *Physical Review Letters*, 130(12), 128202-1-128202–128206. <https://doi.org/10.1103/PhysRevLett.130.128202>

[Link](#)

103 Physik, Astronomie

Cao, D., Li, Z., Li, W., Pei, K., Zhang, X., Wan, L., Zhao, L., Cherevan, A., Eder, D., & Wang, S. (2023). Interfacial engineering between SnO₂/MAPbI₃ by maleate pheniramine halides toward carbon counter electrode-based perovskite solar cells with 16.21% efficiency. *Materials Chemistry Frontiers*, 7, 964–974. <https://doi.org/10.1039/D2QM01149B>

[Link](#)

104 Chemie

Naghdi, S., Brown, E., Zendeabad, M., Duong, A., Ipsmiller, W., Biswas, S., Toroker, M. C., Kazemian, H., & Eder, D. (2023). Glyphosate Adsorption from Water Using Hierarchically Porous Metal–Organic Frameworks. *Advanced Functional Materials*, Article 2213862. <https://doi.org/10.1002/adfm.202213862>

[Link](#)

104 Chemie

Chajda, I., & Länger, H. (2023). Extensions and Congruences of Partial Lattices. *Mathematica Slovaca*, 73(2), 289–304. <https://doi.org/10.1515/ms-2023-0024>

[Link](#)

101 Mathematik

Vargha, L., Binder-Hammer, B., & Donehower, G. (2023). Time Transfers by Age and Gender in 28 Countries. *Socius?: Sociological Research for a Dynamic World*, 9. <https://doi.org/10.1177/23780231231153615>

[Link](#)

502 Wirtschaftswissenschaften

Barden, M., Holzinger, A., Velas, L., Mezosi-Csaplár, M., Szöör, Á., Vereb, G., Schütz, G., Hombach, A.,

& Abken, H. (2023). CAR and TCR form individual signaling synapses and do not cross-activate, however, can co-operate in T cell activation. *Frontiers in Immunology*, 14, Article 1110482. <https://doi.org/10.3389/fimmu.2023.1110482>

[Link](#)

103 Physik, Astronomie

Spiryagin, M., Edelmann, J., Klinger, F., & Cole, C. (2023). Vehicle system dynamics in digital twin studies in rail and road domains. *Vehicle System Dynamics*. <https://doi.org/10.1080/00423114.2023.2188228>

[Link](#)

203 Maschinenbau

Mert Eren, M., Celebi, A. T., İçer, E., Baykasoglu, C., Mugan, A., Yücel, T., & Yildiz, E. (2023). Biomechanical Behavior Evaluation of Resin Cement with Different Elastic Modulus on Porcelain Laminate Veneer Restorations Using Micro-CT-Based Finite Element Analysis. *Materials*, 16(6), Article 2378. <https://doi.org/10.3390/ma16062378>

[Link](#)

103 Physik, Astronomie

Elibol, K., Susi, T., Mangler, C., Eder, D., Meyer, J. C., Kotakoski, J., Hobbs, R. G., van Aken, P. A., & Bayer-Skoff, B. C. (2023). Linear indium atom chains at graphene edges. *Npj 2D Materials and Applications*, 7, Article 2. <https://doi.org/10.1038/s41699-023-00364-6>

[Link](#)

104 Chemie

Taranto, P., Bakhshinezhad, F., Bluhm, A., Silva, R., Friis, N., Lock, M. P. E., Vitagliano, G., Binder, F. C., Debarba, T., Schwarzahns, E., Clivaz, F., & Huber, M. (2023). Landauer Versus Nernst: What is the True Cost of Cooling a Quantum System? *PRX Quantum*, 4(1), Article 010332. <https://doi.org/10.1103/PRXQuantum.4.010332>

[Link](#)

103 Physik, Astronomie

Eugenio Noronha Maia, I., Mendonça de Moraes, R., de Almeida, R. T., Kranzl, L., Müller, A., & Schipfer, F. (2023). Integration of datasets to provide insights about households' natural gas expenditure as trigger to building stock decarbonisation. *Heliyon*, 9(4), Article e14922. <https://doi.org/10.1016/j.heliyon.2023.e14922>

[Link](#)

101 Mathematik

502 Wirtschaftswissenschaften

506 Politikwissenschaften

Bottecchia, L., Dallapiccola, M., Kranzl, L., & Zambelli, P. (2023). Discussing the needs of high resolution data: their impact in evaluating solar potential considering the horizon height. *Journal of Building Performance Simulation*. <https://doi.org/10.1080/19401493.2023.2195838>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Pezzutto, S., Quaglini, G., Riviere, P., Kranzl, L., Novelli, A., Zambito, A., Bottecchia, L., & Wilczynski, E. J. (2023). Process Cooling Market in Europe: Assessment of the Final Energy Consumption for the Year 2016. *Sustainability*, 15(4), Article 3698. <https://doi.org/10.3390/su15043698>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Roman, M., Fritthum, M. C., Stöger, B., Adroja, D. T., & Michor, H. (2023). Charge density wave and crystalline electric field effects in TmNiC₂. *Physical Review B*, 107(12), Article 125137. <https://doi.org/10.1103/PhysRevB.107.125137>

[Link](#)

103 Physik, Astronomie

Kulcke, M., & Lorenz, W. E. (2023). Spherical Box-Counting: Combining 360° Panoramas with Fractal Analysis. *Fractal and Fractional*, 7(4), 1–20. <https://doi.org/10.3390/fractalfract7040327>

[Link](#)

101 Mathematik

102 Informatik

201 Bauwesen

Pfeiffer, S., Baumgartner, T., Löffler, S., Stöger-Pollach, M., Hopkins, S. C., Ballarino, A., Eisterer, M., & Bernardi, J. (2023). Analysis of inhomogeneities in Nb₃Sn wires by combined SEM and SHPM and their impact on J_c and T_c. *Superconductor Science and Technology*, 36(4), Article 045008. <https://doi.org/10.1088/1361-6668/acb857>

[Link](#)

103 Physik, Astronomie

104 Chemie

210 Nanotechnologie

Domingo-Pardo, C., Babiano Suárez, V., Balibrea, J., Caballero, L., Ladarescu, I., Lerendegui-Marco, J., Tain, J. L., Tarifeño-Saldivia, A., Aberle, O., Alcayne, V., Altieri, S., Amaducci, S., Andrzejewski, J., Bacak, M., Beltrami, C., Bennett, S., Bernardes, A.-P., Berthoumieux, E., Boromiza, M., ... Jericha, E. (2023). Advances and new ideas for neutron-capture astrophysics experiments at CERN n_TOF. *The European Physical Journal A*, 59, Article 8. <https://doi.org/10.1140/epja/s10050-022-00876-7>

[Link](#)

103 Physik, Astronomie

Breit, A., Waltersdorfer, L., Ekaputra, F. J., Sabou, M., Ekelhart, A., Iana, A., Paulheim, H., Portisch, J., Revenko, A., ten Teije, A., & van Harmelen, F. (2023). Combining Machine Learning and Semantic Web: A Systematic Mapping Study. *ACM Computing Surveys*. <https://doi.org/10.1145/3586163>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Fuchsberger, A., Wind, L., Sistani, M., Behrle, R., Nazzari, D., Aberl, J., Prado Navarrete, E., Vukusic, L., Brehm, M., Schweizer, P., Vogl, L., Maeder, X., & Weber, W. M. (2023). Reconfigurable Field-Effect Transistor Technology via Heterogeneous Integration of SiGe with Crystalline Al Contacts. *Advanced Electronic Materials*, Article 2201259. <https://doi.org/10.1002/aelm.202201259>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Merchan-Benitez, P., Uttenthaler, S., & Jurado Vargas, M. (2023). Meandering periods and asymmetries in light curves of Miras: Observational evidence for low mass-loss rates. *Astronomy & Astrophysics*, 672, Article A165. <https://doi.org/10.1051/0004-6361/202245593>

[Link](#)

211 Andere Technische Wissenschaften

Al-Musawi, H., Manni, E., Stadlmann, A., Ungerer, B., Hassan Vand, M., Lahayne, O., Nobile, R., Baumann, G., Feist, F., & Müller, U. (2023). Characterisation of Thermally Treated Beech and Birch by Means of Quasi-Static Tests and Ultrasonic Waves. *Scientific Reports*, 13, Article 6348. <https://doi.org/10.1038/s41598-023-33054-w>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Pustogow, A., Kawasugi, Y., Sakurakoji, H., & Tajima, N. (2023). Chasing the spin gap through the phase diagram of a frustrated Mott insulator. *Nature Communications*, 14, Article 1960. <https://doi.org/10.1038/s41467-023-37491-z>

[Link](#)

103 Physik, Astronomie

Kawasugi, Y., Yamazaki, S., Pustogow, A., & Tajima, N. (2023). Negative Magnetoresistance near the Mott Metal–Insulator Transition in the Quantum Spin Liquid Candidate α -(BEDT-TTF) $_2$ Cu $_2$ (CN) $_3$. *Journal of the Physical Society of Japan*, 92(6), Article 065001. <https://doi.org/10.7566/JPSJ.92.065001>

[Link](#)

103 Physik, Astronomie

Jerzembeck, F., Steppke, A., Pustogow, A., Luo, Y., Chronister, A., Sokolov, D. A., Kikugawa, N., Li, Y.-S., Nicklas, M., Brown, S. E., Mackenzie, A. P., & Hicks, C. W. (2023). Upper critical field of Sr $_2$ RuO $_4$ under in-plane uniaxial pressure. *Physical Review B*, 107(6), Article 064509. <https://doi.org/10.1103/PhysRevB.107.064509>

[Link](#)

103 Physik, Astronomie

Chatterjee, D., Puphal, P., Barthélemy, Q., Willwater, J., Süllo, S., Baines, C., Petit, S., Ressouche, E., OLLIVIER, J., Zoch, K. M., Krellner, C., Parzer, M., Riss, A., Garmroudi, F., Pustogow, A., Mendels, P., Kermarrec, E., & Bert, F. (2023). From spin liquid to magnetic ordering in the anisotropic kagome Y-kapellasite Y $_3$ Cu $_9$ (OH) $_{19}$ Cl $_8$: A single-crystal study. *Physical Review B*, 107(12), Article 125156. <https://doi.org/10.1103/PhysRevB.107.125156>

[Link](#)

103 Physik, Astronomie

Theiner, D., Limbacher, B., Jaidl, M., Ertl, M., Hlavatsch, M., Unterrainer, K., Mizaikoff, B., & Darmo, J. (2023). Flexible terahertz gas sensing platform based on substrate-integrated hollow waveguides and an opto-electronic light source. *Optics Express*, 31(10), 15983–15993. <https://doi.org/10.1364/OE.485708>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Annarapu, C. S. R., Parisapogu, S. A. B., Keetha, N. V., Donta, P. K., & Rajita, G. (2023). A Bi-FPN-Based Encoder–Decoder Model for Lung Nodule Image Segmentation. *Diagnostics*, 13(8), Article 1406. <https://doi.org/10.3390/diagnostics13081406>

[Link](#)

102 Informatik

Liu, J.-S., Lin, C.-H., Hu, Y.-C., & Donta, P. K. (2023). Joint Data Transmission and Energy Harvesting for MISO Downlink Transmission Coordination in Wireless IoT Networks. *Sensors*, 23(8), Article 3900. <https://doi.org/10.3390/s23083900>

[Link](#)

102 Informatik

Panchikkil, S., Vegesana, S. P., Manikandan, V. M., Donta, P. K., Maddikunta, P. K. R., & Gadekallu, T. R. (2023). An Ensemble Learning Approach for Reversible Data Hiding in Encrypted Images with Fibonacci Transform. *Electronics*, 12(2), Article 450. <https://doi.org/10.3390/electronics12020450>

[Link](#)

102 Informatik

Jia, Y., Morrison, N., & Sielker, F. (2023). Delivering common property in Chinese contractual communities: Law, power and practice. *Urban Studies*. <https://doi.org/10.1177/00420980231164930>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Quek, H. Y., Sielker, F., Akroyd, J., Bhave, A., von Richthofen, A., Herthogs, P., Yamu, C. van der L., Wan, L., Nochta, T., Burgess, G., Lim, M. Q., Mosbach, S., & Kraft, M. (2023). The conundrum in smart city governance: Interoperability and compatibility in an ever-growing ecosystem of digital twins. *Data & Policy*, 5, Article e6. <https://doi.org/10.1017/dap.2023.1>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Dibon, M., de Marné, P., Papp, G., Vinyar, I., Lukin, A., Jachmich, S., Kruezi, U., Muir, A., Rohde, V., Lehnen, M., Heinrich, P., Peherstorfer, T., & Podymskii, D. (2023). Design of the shattered pellet injection system for ASDEX Upgrade. *Review of Scientific Instruments*, 94(4), Article 043504. <https://doi.org/10.1063/5.0141799>

[Link](#)

103 Physik, Astronomie

Cupak, C., Brandstätter, F., Cserveny, R., Troneberger, F., Biber, H. A., Fellingner, M., Redl, A., Moro, M. V., Böhm, D., Eisenmenger-Sittner, C., Mutzke, A., Primetzhofer, D., & Aumayr, F. (2023). Absence of synergistic effects in quasi-simultaneous sputtering of tungsten by Ar and D ions. *Nuclear Materials and Energy*, 35, Article 101435. <https://doi.org/10.1016/j.nme.2023.101435>

[Link](#)

103 Physik, Astronomie

Mandel, T., Kranzl, L., Popovski, E., Sensfuß, F., Müller, A., & Eichhammer, W. (2023). Investigating pathways to a net-zero emissions building sector in the European Union: what role for the energy efficiency first principle? *Energy Efficiency*, 16(4), Article 22. <https://doi.org/10.1007/s12053-023-10100-0>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kassem, O., Pimpolari, L., Dun, C., Polyushkin, D., Zarattini, M., Dimaggio, E., Chen, L., Basso, G., Parenti, F., Urban, J. J., Müller, T., Fiori, G., & Casiraghi, C. (2023). Water-based 2-dimensional anatase TiO₂ inks for printed diodes and transistors. *Nanoscale*, 15(12), 5689–5695. <https://doi.org/10.1039/d2nr05786g>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Lenz, C., Aginsky, L. F., Hössinger, A., & Weinbub, J. (2023). A Complementary Topographic Feature Detection Algorithm Based on Surface Curvature for Three-Dimensional Level-Set Functions. *Journal of Scientific Computing*, 94(3), 1–21. <https://doi.org/10.1007/s10915-023-02133-5>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Mukunga, T. T., Forkel, M., Forrest, M., Zotta, R.-M., Pande, N., Schlaffer, S., & Dorigo, W. A. (2023). Effect of Socioeconomic Variables in Predicting Global Fire Ignition Occurrence. *Fire*, 6(5), Article 197. <https://doi.org/10.3390/fire6050197>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gazil, O., Bernardi, J., Lassus Arthur, Virgilio, N., & Unterlass, M. M. (2023). Urethane functions can

reduce metal salts under hydrothermal conditions: synthesis of noble metal nanoparticles on flexible sponges applied in semi-automated organic reduction. *Journal of Materials Chemistry A: Materials for Energy and Sustainability*. <https://doi.org/10.1039/D2TA09405C>

[Link](#)

103 Physik, Astronomie

104 Chemie

210 Nanotechnologie

Piermattei, L., Heckmann, T., Betz-Nutz, S., Altmann, M., Rom, J., Fleischer, F., Stark, M., Haas, F., Ressler, C., Wimmer, M., Pfeifer, N., & Becht, M. (2023). Evolution of an Alpine proglacial river during 7 decades of deglaciation. *Earth Surface Dynamics*, 11(3), 383–403. <https://doi.org/10.5194/esurf-11-383-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pfaffinger, V., Staufer, E., Edtmaier, C., Arnoldt, A., Schmitz-Niederau, M., Horky, J., & Klein, T. (2023). Insights into Phase Evolution and Mechanical Behavior of the Eutectoid Ti-6.4(wt.%)Ni Alloy Modified with Fe and Cr. *Advanced Engineering Materials*, Article 2300177. <https://doi.org/10.34726/4243>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Fotopoulos, V., Mora-Fonz, D., Kleinbichler, M., Bodlos, R., Kozeschnik, E., Romaner, L., & Shluger, A. L. (2023). Structure and Migration Mechanisms of Small Vacancy Clusters in Cu: A Combined EAM and DFT Study. *Nanomaterials*, 13(9), Article 1464. <https://doi.org/10.3390/nano13091464>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Thongboon, S., Chuksaw, T., Niamnuy, C., Roddecha, S., Prapainainar, P., Chareonpanich, M., Kingwascharapong, P., Faungnawakij, K., Rupprechter, G., & Seubsai, A. (2023). Pineapple-Leaf-Derived, Copper-PAN-Modified Regenerated Cellulose Sheet Used as a Hydrogen Sulfide Indicator. *ACS Omega*, 8(19), 17134–17142. <https://doi.org/10.1021/acsomega.3c01449>

[Link](#)

104 Chemie

Pramhaas, V., Unterhalt, H., Freund, H.-J., & Rupprechter, G. (2023). Polarization-Dependent Sum-Frequency-Generation Spectroscopy for In Situ Tracking of Nanoparticle Morphology. *Angewandte Chemie International Edition*, 62(19), Article e202300230. <https://doi.org/10.1002/anie.202300230>

[Link](#)

104 Chemie

Moriche Guerrero, M., Hettmann, D., Garcia Villalba Navaridas, M., & Uhlmann, M. (2023). On the clustering of low-aspect-ratio oblate spheroids settling in ambient fluid. *Journal of Fluid Mechanics*, 963, Article A1. <https://doi.org/10.1017/jfm.2023.261>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Tajik, M., Kukuljan, I., Sotiriadis, S., Rauer, B., Schweigler, T., Cataldini, F., Sabino, J., Moller, F. S., Schüttelkopf, P., Ji, S., Sels, D., Demler, E., & Schmiedmayer, J. (2023). Verification of the area law of mutual information in a quantum field simulator. *Nature Physics*. <https://doi.org/10.1038/s41567-023-02027-1>

[Link](#)

103 Physik, Astronomie

Cathey, A., Hoelzl, M., Gil, L., Dunne, M., Harrer, G. F., Huijsmans, G. T. A., Kalis, J., Lackner, K., Pamela, S. J. P., Wolfrum, E., & Günter, S. (2023). Probing non-linear MHD stability of the EDA H-mode in ASDEX Upgrade. *Nuclear Fusion*, 63(6), Article 062001. <https://doi.org/10.1088/1741-4326/acc818>

[Link](#)

103 Physik, Astronomie

Szabo, G., Jany, B. R., Muckenhuber, H., Niggas, A., Lehner, M., Janas, A., Szabo, P., Gan, Z., George, A., Turchanin, A., Krok, F., & Wilhelm, R. A. (2023). Charge-State-Enhanced Ion Sputtering of Metallic Gold Nanoislands. *Small*, Article 2207263. <https://doi.org/10.1002/sml.202207263>

[Link](#)

103 Physik, Astronomie

Martínez-Muriel, C., Arranz Fernandez, G., Garcia Villalba Navaridas, M., & Flores, O. (2023). Fluid–structure resonance in spanwise-flexible flapping wings. *Journal of Fluid Mechanics*, 964(A5). <https://doi.org/10.1017/jfm.2023.308>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Iskandar, M., Ott, C., Albu-Schäffer, A., Siciliano, B., & Dietrich, A. (2023). Hybrid Force-Impedance Control for Fast End-Effector Motions. *IEEE Robotics and Automation Letters*, 8(7), 3931–3938. <https://doi.org/10.1109/LRA.2023.3270036>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Boledi, L., Key, F., Terschanski, B., Elgeti, S., & Kowalski, J. (2023). A scale-coupled numerical method for transient close-contact melting. *Computers and Mathematics with Applications*, 143, 277–288. <https://doi.org/10.1016/j.camwa.2023.05.011>

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

Linhardt, P., Biezma, M. V., Haubner, R., Schuster, R., & Wojcik, T. (2023). Hollow wire corrosion of stainless steel ropes in a marine mooring system and its relation to microstructure. *Materials and Corrosion*, 74(6), 818–830. <https://doi.org/10.1002/maco.202213699>

[Link](#)

104 Chemie

Butkovsky, O., Dareiotis, K., & Gerencsér, M. (2023). Optimal Rate of Convergence for Approximations of SPDEs with Nonregular Drift. *SIAM Journal on Numerical Analysis*, 61(2), 1103–1137. <https://doi.org/10.1137/21M1454213>

[Link](#)

101 Mathematik

Dareiotis, K., Gerencsér, M., & Lê, K. (2023). Quantifying a convergence theorem of Gyöngy and Krylov. *Annals of Applied Probability*, 33(3), 2291–2323. <https://doi.org/10.1214/22-AAP1867>

[Link](#)

101 Mathematik

Monje, C. A., Deutschmann, B., Muñoz, J., Ott, C., & Balaguer, C. (2023). Fractional Order Control of Continuum Soft Robots: Combining Decoupled/Reduced-Dynamics Models and Robust Fractional Order

Controllers for Complex Soft Robot Motions. *IEEE Control Systems*, 43(3), 66–99. <https://doi.org/10.1109/MCS.2023.3253420>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Pistellato, M., Fatima, T., & Wimmer, M. (2023). Exploiting Light Polarization for Deep HDR Imaging from a Single Exposure. *Sensors*, 23(12), Article 5370. <https://doi.org/10.3390/s23125370>

[Link](#)

102 Informatik

Vitagliano, G., Fadel, M., Apellaniz, I., Kleinmann, M., Lücke, B., Klempt, C., & Tóth, G. (2023). Number-phase uncertainty relations and bipartite entanglement detection in spin ensembles. *Quantum*, 7, 914–947. <https://doi.org/10.22331/q-2023-02-09-914>

[Link](#)

103 Physik, Astronomie

Liu, S., He, Q., Huber, M., Gühne, O., & Vitagliano, G. (2023). Characterizing Entanglement Dimensionality from Randomized Measurements. *PRX Quantum*, 4(2), Article 020324. <https://doi.org/10.1103/PRXQuantum.4.020324>

[Link](#)

103 Physik, Astronomie

Auinger, M., Büchler, M., Schöneich, H.-G., Gierl-Mayer, C., & Danninger, H. (2023). Hydrogen accumulation and diffusion in cylindrical-shaped pipeline steels with coating defects. *International Journal of Hydrogen Energy*, 48(88), 34454–34462. <https://doi.org/10.1016/j.ijhydene.2023.05.181>

[Link](#)

104 Chemie

205 Werkstofftechnik

Chajda, I., & Länger, H. (2023). Operator residuation in orthomodular posets of finite height. *Fuzzy Sets and Systems*, 467, Article 108589. <https://doi.org/10.1016/j.fss.2023.108589>

[Link](#)

101 Mathematik

Hu, M., Hofko, B., Sun, D., Mirwald, J., Hofer, K., Eberhardsteiner, L., & Lu, T. (2023). Microevolution of Polymer–Bitumen Phase Interaction in High-Viscosity Modified Bitumen during the Aging of Reactive Oxygen Species. *ACS Sustainable Chemistry and Engineering*. <https://doi.org/10.1021/acssuschemeng.3c01023>

[Link](#)

201 Bauwesen

Faitsch, M., Eich, T. H., Harrer, G., Wolfrum, E., Brida, D., David, P., Dunne, M., Gil, L., Labit, B., & Stroth, U. (2023). Analysis and expansion of the quasi-continuous exhaust (QCE) regime in ASDEX Upgrade. *Nuclear Fusion*, 63(7), Article 076013. <https://doi.org/10.1088/1741-4326/acd464>

[Link](#)

103 Physik, Astronomie

Chen, C., Yao, G., Liu, L., Pei, Q., Song, H., & Dustdar, S. (2023). A Cooperative Vehicle-Infrastructure System for Road Hazards Detection With Edge Intelligence. *IEEE Transactions on Intelligent Transportation Systems*, 24(5), 5186–5198. <https://doi.org/10.1109/TITS.2023.3241251>

[Link](#)

102 Informatik

Garcia Villalba Navaridas, M., Fuentes, B., Dušek, J., Moriche, M., & Uhlmann, M. (2023). An efficient method for particle-resolved simulations of neutrally buoyant spheres. *Computers and Fluids*, 263, Article

105936. <https://doi.org/10.1016/j.compfluid.2023.105936>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Natras, R., Goss, A., Halilovic, D., Magnet, N., Mulic, M., Schmidt, M., & Weber, R. (2023). Regional Ionosphere Delay Models Based on CORS Data and Machine Learning. *NAVIGATION-JOURNAL OF THE INSTITUTE OF NAVIGATION*, 70(3), Article navi. 577. <https://doi.org/10.33012/navi.577>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kanungo, S., Lu, Y., Dunning, F. B., Yoshida, S., Burgdörfer, J., & Killian, T. (2023). Measuring nonlocal three-body spatial correlations with Rydberg trimers in ultracold quantum gases. *Physical Review A*, 107(3), Article 033322. <https://doi.org/10.1103/PhysRevA.107.033322>

[Link](#)

103 Physik, Astronomie

Yoshida, S., Burgdörfer, J., Brienza, R., Fields, G., & Dunning, F. B. (2023). $5p1/2n1?$ autoionizing states of strontium for $0=l=5$. *Physical Review A*, 107(4), Article 043112. <https://doi.org/10.1103/PhysRevA.107.043112>

[Link](#)

103 Physik, Astronomie

Schwegel, M., Glück, T., Shaferman, V., Zaccarian, L., & Kugi, A. (2023). Adaptive Two-Degrees-of-Freedom Current Control for Solenoids: Theoretical Investigation and Practical Application. *IEEE Transactions on Control Systems Technology*, 31(3), 1078–1091. <https://doi.org/10.1109/TCST.2022.3211457>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Behrle, R., Sistani, M., Lugstein, A., Sadre Momtaz, Z., den Hertog, M. I., Pogany, D., & Weber, W. M. (2023). Low-frequency noise in quasi-ballistic monolithic Al–Ge–Al nanowire field effect transistors. *Applied Physics Letters*, 122(24), Article 243504. <https://doi.org/10.1063/5.0147208>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rudnikov, A., Kalashnikov, V., Sorokin, E., Demesh, M., & Sorokina, I. T. (2023). High peak power and energy scaling in the mid-IR chirped-pulse oscillator-amplifier laser systems. *Optics Express*, 31(11), 17820–17835. <https://doi.org/10.1364/OE.484742>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Demesh, M., Kalashnikov, V., Sorokin, E., Gusakova, N., Rudnikov, A., & Sorokina, I. T. (2023). At the threshold of distributed Kerr-lens mode-locking in a Cr:ZnS waveguide laser. *Journal of the Optical Society of America B*, 40(7), 1717–1725. <https://doi.org/10.1364/JOSAB.489156>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Sorokin, E., Rudnikov, A., Tolstik, N., Kalashnikov, V., Demesh, M., & Sorokina, I. T. (2023). Atmospheric dispersion management in mid-IR mode-locked oscillators. *Optics Express*, 31(12), 18790–18798. <https://doi.org/10.1364/OE.488683>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Durán Venegas, E., García-Villalba, M., Martínez-Legazpi, P., Gonzalo, A., McVeigh, E., Kahn, A. M., Bermejo, J., Flores, O., & del Álamo, J. C. (2023). Pulmonary vein flow split effects in patient-specific simulations of left atrial flow. *Computers in Biology and Medicine*, 163, Article 107128. <https://doi.org/10.1016/j.combiomed.2023.107128>

[Link](#)

101 Mathematik

203 Maschinenbau

304 Medizinische Biotechnologie

Andersson, J., Kleinheinz, D., Ramach, U., Kiesenhofer, N., Ashenden, A., Valtiner, M., Holt, S., Koeper, I., Schmidpeter, P. A. M., & Knoll, W. (2023). Native Function of the Bacterial Ion Channel SthK in a Sparsely Tethered Lipid Bilayer Membrane Architecture. *Journal of Physical Chemistry B (Soft Condensed Matter and Biophysical Chemistry)*, 127(16), 3641–3650. <https://doi.org/10.1021/acs.jpcc.2c07252>

[Link](#)

103 Physik, Astronomie

Ostermann, M., Bilotto, P., Kadlec, M., Schodl, J., Duchoslav, J., Stöger-Pollach, M., Lieberzeit, P., & Valtiner, M. (2023). l-Ascorbic Acid Treatment of Electrochemical Graphene Nanosheets: Reduction Optimization and Application for De-Icing, Water Uptake Prevention, and Corrosion Resistance. *ACS Applied Materials and Interfaces*, 15(18), 22471–22484. <https://doi.org/10.1021/acsami.2c22854>

[Link](#)

103 Physik, Astronomie

104 Chemie

Ramach, U., Lee, J., Altmann, F., Schussek, M., Olgiate, M., Dziadkowiec, J., Mears, L., Celebi, A. T., Lee, D. W., & Valtiner, M. (2023). Real-time visualisation of ion exchange in molecularly confined spaces where electric double layers overlap. *Faraday Discussions*, 246, 487–507. <https://doi.org/10.1039/D3FD00038A>

[Link](#)

103 Physik, Astronomie

Feldmann, F., Mears, L. L. E., Roth, M., & Valtiner, M. (2023). Characterisation of the galvanic protection of zinc flake coating by spectroelectrochemistry and industrial testing. *Materials and Corrosion*, 74(8), 1148–1158. <https://doi.org/10.1002/maco.202213719>

[Link](#)

103 Physik, Astronomie

Cupak, C., Lopez-Cazalilla, A., Biber, H., Brötzner, J., Fellingner, M., Brandstätter, F., Szabo, P. S., Mutzke, A., Granberg, F., Nordlund, K., González-Arrabal, R., & Aumayr, F. (2023). Sputter yield reduction and fluence stability of numerically optimized nanocolumnar tungsten surfaces. *Physical Review Materials*, 7(6), Article 06540601. <https://doi.org/10.1103/PhysRevMaterials.7.065406>

[Link](#)

103 Physik, Astronomie

Xu, Z., Zhang, X., Zhang, H., Liu, Y., Zhan, Y., & Lukasiewicz, T. (2023). EFPN: Effective medical image detection using feature pyramid fusion enhancement. *Computers in Biology and Medicine*, 163, Article 107149. <https://doi.org/https://doi.org/10.1016/j.combiomed.2023.107149>

[Link](#)

101 Mathematik

102 Informatik

Zhang, J., Zhang, S., Shen, X., Lukasiewicz, T., & Xu, Z. (2024). Multi-ConDoS: Multimodal Contrastive

Domain Sharing Generative Adversarial Networks for Self-Supervised Medical Image Segmentation. *IEEE Transactions on Medical Imaging*, 43(1), 76–95. <https://doi.org/10.1109/TMI.2023.3290356>

[Link](#)

101 Mathematik

102 Informatik

Lentrodt, D., Diekmann, O., Keitel, C. H., Rotter, S., & Evers, J. (2023). Certifying Multimode Light-Matter Interaction in Lossy Resonators. *Physical Review Letters*, 130(26), Article 263602. <https://doi.org/10.1103/PhysRevLett.130.263602>

[Link](#)

103 Physik, Astronomie

Eugenio Noronha Maia, I., Moraes, R. M., Almeida, R. T., Kranzl, L., Müller, A., & Schipfer, F. (2023). Integration of datasets to provide insights about households' natural gas expenditure as trigger to building stock decarbonisation. *Heliyon*, 9(4), Article e14922. <https://doi.org/10.1016/j.heliyon.2023.e14922>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bendra, M., Fiorentini, S., Goes, W., Selberherr, S., & Sverdlov, V. (2023). The Influence of Interface Effects on the Switching Behavior in Ultra-Scaled MRAM Cells. *Solid-State Electronics*, 201, Article 108590. <https://doi.org/10.1016/j.sse.2023.108590>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Lenz, C., Aginsky, L. F., Hössinger, A., & Weinbub, J. (2023). A Complementary Topographic Feature Detection Algorithm Based on Surface Curvature for Three-Dimensional Level-Set Functions. *Journal of Scientific Computing*, 94(3), Article 71. <https://doi.org/10.1007/s10915-023-02133-5>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Franceschi, G., Brandstetter, S., Balajka, J., Sokolovic, I., Pavelec, J., Setvin, M., Schmid, M., & Diebold, U. (2024). Interaction of surface cations of cleaved mica with water in vapor and liquid forms. *Faraday Discussions*, 249, 84–97. <https://doi.org/10.1039/D3FD00093A>

[Link](#)

103 Physik, Astronomie

Heyvaert, Z., Scherrer, S. A., Bechtold, M., Gruber, A., Dorigo, W. A., Kumar, S., & De Lannoy, G. (2023). Impact of Design Factors for ESA CCI Satellite Soil Moisture Data Assimilation over Europe. *Journal of Hydrometeorology*, 24(7), 1193–1208. <https://doi.org/10.1175/JHM-D-22-0141.1>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Meitner, J., Balek, J., Bláhová, M., Semerádová, D., Hlavinka, P., Lukas, V., Jurecka, F., Žalud, Z., Klem, K., Anderson, M. C., Dorigo, W. A., Fischer, M., & Trnka, M. (2023). Estimating Drought-Induced Crop Yield Losses at the Cadastral Area Level in the Czech Republic. *Agronomy*, 13(7), Article 1669. <https://doi.org/10.3390/agronomy13071669>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Navacchi, C., Cao, S., Bauer-Marschallinger, B., Snoeij, P., Small, D., & Wagner, W. (2023). Utilising Sentinel-1's Orbital Stability for Efficient Pre-Processing of Radiometric Terrain Corrected Gamma

Nought Backscatter. *Sensors*, 23(13), Article 6072. <https://doi.org/10.3390/s23136072>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Rahmati, M., Graf, A., Poppe Terán, C., Amelung, W., Dorigo, W. A., Hendricks Franssen, H.-J., Montzka, C., Or, D., Sprenger, M., Vanderborght, J., Verhoest, N., & Vereecken, H. (2023). Continuous increase in evaporative demand shortened the growing season of European ecosystems in the last decade.

Communications Earth & Environment, 4, Article 236. <https://doi.org/10.1038/s43247-023-00890-7>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Brunner, M., Innerberger, M., Miraçi, A., Praetorius, D., Streitberger, J., & Heid, P. (2023). Adaptive FEM with quasi-optimal overall cost for nonsymmetric linear elliptic PDEs. *IMA Journal of Numerical Analysis*, Article drad039. <https://doi.org/10.1093/imanum/drad039>

[Link](#)

101 Mathematik

Schrinski, B., Haslinger, P., Schmiedmayer, H.-J., Hornberger, K., & Nimmrichter, S. (2023). Testing collapse models with Bose-Einstein-condensate interferometry. *Physical Review A*, 107(4), Article 043320. <https://doi.org/10.1103/PhysRevA.107.043320>

[Link](#)

103 Physik, Astronomie

Lu, Y., Tang, X., Liu, L., Yu, F. R., & Dustdar, S. (2023). Speeding at the Edge: An Efficient and Secure Redactable Blockchain for IoT-Based Smart Grid Systems. *IEEE Internet of Things Journal*, 10(14), 12886–12897. <https://doi.org/10.1109/JIOT.2023.3253601>

[Link](#)

102 Informatik

Petrov, L., Georgiev, K., Velkov, D., Trifonov, A., Xu, X., Popmintchev, T., & Buchvarov, I. (2023). Multi-millijoule class, high repetition rate, Yb:CALYO regenerative amplifier with sub-130 fs pulses. *Optics Express*, 31(12), 18765–18772. <https://doi.org/10.1364/OE.487923>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Löffler, S., Schachinger, T., Hartel, P., Lu, P.-H., Dunin-Borkowski, R., Obermair, M., Dries, M., Gerthsen, D., & Schattschneider, P. (2023). A quantum logic gate for free electrons. *Quantum*, 7, Article 1050.

<https://doi.org/10.22331/q-2023-07-11-1050>

[Link](#)

103 Physik, Astronomie

210 Nanotechnologie

Iglesias Vazquez, F., Hartl, A., Zseby, T., & Zimek, A. (2023). Anomaly detection in streaming data: A comparison and evaluation study. *Expert Systems with Applications*, 233, Article 120994. <https://doi.org/10.34726/4581>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Oz, D., Suleymanov, N., Minkovich, B., Kostianovskii, V., Gantz, L., Polyushkin, D., Müller, T., &

Goykhman, I. (2023). Optically Transparent and Thermally Efficient 2D MoS₂ Heaters Integrated with Silicon Microring Resonators. *ACS Photonics*, 10(6), 1783–1794. <https://doi.org/10.1021/acsp Photonics.3c00053>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Moser, C., Binley, A., & Orozco, A. F. (2023). 3D electrode configurations for spectral induced polarization surveys of landfills. *Waste Management*, 169, 208–222. <https://doi.org/10.1016/j.wasman.2023.07.006>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Riehle, K., Kistler, E., Öhlinger, B., Sterba, J. H., & Mommsen, H. (2023). Mirroring Mediterraneanization: Pottery production at Archaic Monte Iato, Western Sicily (6th to 5th century BCE). *Journal of Archaeological Science: Reports*, 51, Article 104111. <https://doi.org/10.1016/j.jasrep.2023.104111>

[Link](#)

103 Physik, Astronomie

104 Chemie

601 Geschichte, Archäologie

Hocq, R., Bottone, S., Gautier, A., & Pflügl, S. (2023). A fluorescent reporter system for anaerobic thermophiles. *Frontiers in Bioengineering and Biotechnology*, 11, Article 1226889. <https://doi.org/10.3389/fbioe.2023.1226889>

[Link](#)

106 Biologie

209 Industrielle Biotechnologie

Kannan, S. K., Thakur, J., Cunha, J. M., Gardumi, F., Kök, A., Lisboa, A., & Martin, V. (2023). Techno-economic optimization of the industrial excess heat recovery for an industrial park with high spatial and temporal resolution. *Energy Conversion and Management*, 287, Article 117109. <https://doi.org/10.1016/j.enconman.2023.117109>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Stöger, B., Göb, C., & Topa, D. (2023). A fresh view on the structure and twinning of owyheeite, a rod-polytype and twofold superstructure. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, 79(4), 271–280. <https://doi.org/10.1107/S2052520623004523>

[Link](#)

105 Geowissenschaften

Chajda, I., & Länger, H. (2023). Tolerances on posets. *MISKOLC MATHEMATICAL NOTES*, 24(2), 725–736. <https://doi.org/10.18514/MMN.2023.4033>

[Link](#)

101 Mathematik

Hartner-Tiefenthaler, M., Mostafa, A. M. S., & Köszegi, S. T. (2023). The double-edged sword of online access to work tools outside work: The relationship with flexible working, work interrupting nonwork behaviors and job satisfaction. *Frontiers in Public Health*, 10, Article 1035989. <https://doi.org/10.3389/fpubh.2022.1035989>

[Link](#)

102 Informatik

501 Psychologie

502 Wirtschaftswissenschaften

Ramskogler, K., Knoflach, B., Elsner, B., Erschbamer, B., Haas, F., Heckmann, T., Hofmeister, F., Piermattei, L., Ressler, C., Trautmann, S., Wimmer, M., Geitner, C., Stötter, J., & Tasser, E. (2023). Primary succession and its driving variables – a sphere-spanning approach applied in proglacial areas in the upper Martell Valley (Eastern Italian Alps). *Biogeosciences*, 20(14), 2919–2939. <https://doi.org/10.5194/bg-20-2919-2023>

[Link](#)

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Büechi, P. E., Fischer, M., Crocetti, L., Trnka, M., Grlj, A., Zappa, L., & Dorigo, W. A. (2023). Crop yield anomaly forecasting in the Pannonian basin using gradient boosting and its performance in years of severe drought. *Agricultural and Forest Meteorology*, 340, Article 109596. <https://doi.org/10.1016/j.agrformet.2023.109596>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Winiwarter, L. G., Anders, K., Czerwonka-Schröder, D., & Höfle, B. (2023). Full four-dimensional change analysis of topographic point cloud time series using Kalman filtering. *Earth Surface Dynamics*, 11(4), 593–613. <https://doi.org/10.5194/esurf-11-593-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Duan, Q., Zhang, W.-C., Liu, J., Jin, F., Dong, X.-Z., Bin, F.-C., Steinbauer, P., Zerobin, E., Guo, M., Li, T., Baudis, S., & Zheng, M.-L. (2023). 22 nm Resolution Achieved by Femtosecond Laser Two-Photon Polymerization of a Hyaluronic Acid Vinyl Ester Hydrogel. *ACS Applied Materials and Interfaces*, 15(22), 26472–26483. <https://doi.org/10.1021/acsami.3c04346>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Hobiger, V., Kutsch, A.-L., Stampfl, J., Liska, R., Baudis, S., & Krajnc, P. (2023). Thiol-Acrylate polyHIPEs via Facile Layer-by-Layer Photopolymerization. *3D Printing and Additive Manufacturing*. <https://doi.org/10.1089/3dp.2022.0289>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Xu, Z., Yu, Z., Zhang, H., Chen, J., Gu, J., Lukasiewicz, T., & Leung, V. C. M. (2024). PhaCIA-TCNs: Short-Term Load Forecasting Using Temporal Convolutional Networks With Parallel Hybrid Activated Convolution and Input Attention. *IEEE Transactions on Network Science and Engineering*, 11(1), 427–438. <https://doi.org/10.1109/TNSE.2023.3300744>

[Link](#)

101 Mathematik

102 Informatik

Demeter, K., Linke, R., Ballesté, E., Reischer, G., Mayer, R., Vierheilig, J., Kolm, C., Stevenson, M. E., Derx, J., Kirschner, A. K. T., Sommer, R., Shanks, O. C., Blanch, A. R., Rose, J., Ahmed, W., &

Farnleitner, A. (2023). Have genetic targets for faecal pollution diagnostics and source tracking revolutionized water quality analysis yet? *FEMS Microbiology Reviews*, 47(4), Article fuad028. <https://doi.org/10.1093/femsre/fuad028>

[Link](#)

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schetinger, V., Di Bartolomeo, S., El-Assady, M., McNutt, A., Miller, M., Passos, J. P. A., & Adams, J. L. (2023). Doom or Deliciousness: Challenges and Opportunities for Visualization in the Age of Generative Models. *Computer Graphics Forum*, 42(3), 423–435. <https://doi.org/10.1111/cgf.14841>

[Link](#)

101 Mathematik

102 Informatik

Rondinella, F., Daneluz, F., Hofko, B., & Baldo, N. (2023). Improved predictions of asphalt concretes' dynamic modulus and phase angle using decision-tree based categorical boosting model. *Construction and Building Materials*, 400, Article 132709. <https://doi.org/10.1016/j.conbuildmat.2023.132709>

[Link](#)

201 Bauwesen

Lu, T., Hofko, B., Sun, D., Mirwald, J., Eberhardsteiner, L., & Hu, M. (2023). Microscopic and rheologic characterization of third generation self-repairing microcapsule modified asphalt. *Construction and Building Materials*, 400, Article 132841. <https://doi.org/10.1016/j.conbuildmat.2023.132841>

[Link](#)

104 Chemie

201 Bauwesen

Liu, J., Peng, C., Sun, R., Liu, L., Zhang, N., Dustdar, S., & Leung, V. C. M. (2023). CPAHP: Conditional Privacy-Preserving Authentication Scheme With Hierarchical Pseudonym for 5G-Enabled IoV. *IEEE Transactions on Vehicular Technology*, 72(7), 8929–8940. <https://doi.org/10.1109/TVT.2023.3246466>

[Link](#)

102 Informatik

Cao, H., Jiang, H., Yang, K., Chen, S., Wu, W., Liu, J., & Dustdar, S. (2023). Data-Augmentation-Enabled Continuous User Authentication via Passive Vibration Response. *IEEE Internet of Things Journal*, 10(16), 14137–14151. <https://doi.org/10.1109/JIOT.2023.3264274>

[Link](#)

102 Informatik

Kim, H., Crow, W. T., Wagner, W., Li, X., & Lakshmi, V. (2023). A Bayesian machine learning method to explain the error characteristics of global-scale soil moisture products. *Remote Sensing of Environment*, 296, Article 113718. <https://doi.org/10.34726/4762>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Caulkins, J. P., Grass, D., Feichtinger, G., Hartl, R. F., Kort, P. M., Kuhn, M., Fürnkranz-Prskawetz, A., Sanchez Romero, M., Seidl, A., & Wrzaczek, S. (2023). The hammer and the jab: Are COVID-19 lockdowns and vaccinations complements or substitutes? *European Journal of Operational Research*, 311(1), 233–250. <https://doi.org/10.1016/j.ejor.2023.04.033>

[Link](#)

101 Mathematik

102 Informatik

502 Wirtschaftswissenschaften

Bareedu, Y. S., Frühwirth, T., Niedermeier, C., Sabou, R. M., Steindl, G., Thuluva, A. S., Tsaneva, S., & Tufek Ozkaya, N. (2023). Deriving semantic validation rules from industrial standards: An OPC UA study. *Semantic Web*. <https://doi.org/10.3233/SW-233342>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Britzen, S., Gopal, K., Kun, E., Olivares, H., Pashchenko, I., Jaron, F. F. D., Becerra Gonzalez, J., & Paneque, D. (2023). Detection of a Peculiar Drift in the Nuclear Radio Jet of the TeV Blazar Markarian 501. *Universe*, 9(3), Article 115. <https://doi.org/10.3390/universe9030115>

[Link](#)

103 Physik, Astronomie

Britzen, S., Zajacek, M., Gopal, K., Fendt, C., Kun, E., Jaron, F. F. D., Sillanpää, A., & Eckart, A. (2023). Precession-induced Variability in AGN Jets and OJ 287. *Astrophysical Journal*, 951(2), Article 106. <https://doi.org/10.3847/1538-4357/accbbc>

[Link](#)

103 Physik, Astronomie

López-Miralles, J., Motta, S. E., Migliari, S., & Jaron, F. (2023). Rapid X-ray variability of the gamma-ray binary LS I +61°303. *Monthly Notices of the Royal Astronomical Society*, 523(3), 4282–4293. <https://doi.org/10.1093/mnras/stad1658>

[Link](#)

103 Physik, Astronomie

Meixner, K., Rinker, F. P., Waltersdorfer, L., Lüder, A., & Biffel, S. (2023). Organizing reuse for production systems engineering with capabilities and skills. *Automatisierungstechnik*, 71(2), 116–126. <https://doi.org/10.1515/auto-2022-0120>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Köcher, A., Belyaev, A., Hermann, J., Bock, J., Meixner, K., Volkmann, M., Winter, M., Zimmermann, P., Grimm, S., & Diedrich, C. (2023). A reference model for common understanding of capabilities and skills in manufacturing. *Automatisierungstechnik*, 71(2), 94–104. <https://doi.org/10.1515/auto-2022-0117>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Li, J., Burgess, G., & Sielker, F. (2023). Political mobilisation and institutional layering in urban regeneration: Transformation of land redevelopment governance in China. *Cities*, 141, Article 104508. <https://doi.org/10.1016/j.cities.2023.104508>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Iro, M., Ingerle, D., Hampel Sven, Fittschen, U. E. A., Dhamgaye, V., Fox, O. J. L., & Strelt, C. (2023). voxTrace: A voxel-based Monte-Carlo ray-tracing code for the simulation of X-ray fluorescence spectra. *SoftwareX*, 23, Article 101481. <https://doi.org/10.1016/j.softx.2023.101481>

[Link](#)

103 Physik, Astronomie

Ding, B., Bhosale, M., Bennett, T., Heeney, M., Plasser, F., Esser, B., & Glöcklhofer, F. (2023). Reducing

undesired solubility of squarephaneic tetraimide for use as an organic battery electrode material. *Faraday Discussions*. <https://doi.org/10.1039/D3FD00145H>

[Link](#)

104 Chemie

Ahmad, S., Uyanik, H., Ovatman, T., Sandikkaya, M. T., Maio, V. D., Brandic, I., & Aral, A. (2023). Sustainable Environmental Monitoring via Energy and Information Efficient Multi-Node Placement. *IEEE Internet of Things Journal*. <https://doi.org/10.1109/JIOT.2023.3303124>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Liberto, T., Dalconi, M. C., Dal Sasso, G., Bellotto, M. P., & Agathe Robisson. (2023). Structure–function relationship during the early and long-term hydration of one-part alkali-activated slag. *Journal of the American Ceramic Society*, 106(9), 5187–5202. <https://doi.org/10.1111/jace.19173>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Key, F., von Danwitz, M., Ballarin, F., & Rozza, G. (2023). Model order reduction for deforming domain problems in a time-continuous space-time setting. *International Journal for Numerical Methods in Engineering*. <https://doi.org/10.1002/nme.7342>

[Link](#)

101 Mathematik

203 Maschinenbau

211 Andere Technische Wissenschaften

Eiben, E., Ganian, R., Kanj, I., Ordyniak, S., & Szeider, S. (2023). On the parameterized complexity of clustering problems for incomplete data. *Journal of Computer and System Sciences*, 134, 1–19. <https://doi.org/10.1016/j.jcss.2022.12.001>

[Link](#)

101 Mathematik

102 Informatik

Eiben, E., Ganian, R., Hamm, T., & Ordyniak, S. (2023). Parameterized complexity of envy-free resource allocation in social networks. *Artificial Intelligence*, 315, Article 103826. <https://doi.org/10.1016/j.artint.2022.103826>

[Link](#)

101 Mathematik

102 Informatik

Milacic, R., Markovic, K., Markovic, S., Šcancar, J., Jolankai, Z., Clement, A., Musa, I., Kardos, M. K., Zoboli, O., & Zessner-Spitzenberg, M. (2023). Changes in concentrations of potentially toxic elements during storage of hard river water samples at low temperatures using different sample preservation procedures. *Journal of Soils and Sediments*. <https://doi.org/10.1007/s11368-023-03625-5>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Li, Y., Wang, X., Zeng, R., Yang, M., Li, K., Huang, M., & Dustdar, S. (2023). VARF: An Incentive Mechanism of Cross-Silo Federated Learning in MEC. *IEEE Internet of Things Journal*, 10(17), 15115–15132. <https://doi.org/10.1109/JIOT.2023.3264611>

[Link](#)

102 Informatik

Li, K., Wang, X., He, Q., Ni, Q., Yang, M., & Dustdar, S. (2023). Computation Offloading for Tasks With Bound Constraints in Multiaccess Edge Computing. *IEEE Internet of Things Journal*, 10(17), 15526–15536. <https://doi.org/10.1109/JIOT.2023.3264484>

[Link](#)

102 Informatik

Povalac, A., Kral, J., Arthaber, H., Kolar, O., & Novak, M. (2023). Exploring LoRaWAN Traffic: In-Depth Analysis of IoT Network Communications. *Sensors*, 23(17), Article 7333. <https://doi.org/10.3390/s23177333>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Magerl, A., Gingrich, S., Matej, S., Cunfer, G., Forrest, M., Lauk, C., Schlaffer, S., Weidinger, F., Yuskiw, C., & Erb, K.-H. (2023). The Role of Wildfires in the Interplay of Forest Carbon Stocks and Wood Harvest in the Contiguous United States During the 20th Century. *Global Biogeochemical Cycles*, 37(8), Article e2023GB007813. <https://doi.org/10.1029/2023GB007813>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hardy, S., Liesinger, L., Patrick, R., Poettler, M., Rech, L., Gindlhuber, J., Mabotuwana, N., Ashour, D., Stangl, V., Bigland, M., Murtha, L., Starkey, M., Scherr, D., Hansbro, P., Hoefler, G., Ramos, G., Cochain, C., Harvey, R., Birner-Gruenberger, R., ... Rainer, P. P. (2023). Extracellular Matrix Protein-1 as a Mediator of Inflammation-Induced Fibrosis After Myocardial Infarction. *JACC: Basic to Translational Science*. <https://doi.org/10.1016/j.jacbts.2023.05.010>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Brienza, R. A., Lu, Y., C. Wang, Kanungo, S. K., Killian, T. C., Dunning, F. B., Burgdörfer, J., & Yoshida, S. (2023). Microwave spectroscopy of low- l singlet strontium Rydberg states at intermediate n , $50 \leq n \leq 70$. *Physical Review A*, 108(2), Article 022815. <https://doi.org/10.1103/PhysRevA.108.022815>

[Link](#)

103 Physik, Astronomie

Forsell, M., Roivainen, J., Leppänen, V., & Träff, J. L. (2023). Realizing multioperations and multiprefixes in Thick Control Flow processors. *Microprocessors and Microsystems*, 98, Article 104807. <https://doi.org/10.1016/j.micpro.2023.104807>

[Link](#)

102 Informatik

Lombardi, N., & Saorín Gómez, E. (2023). Mean radii of symmetrizations of a convex body. *Beitraege Zur Algebra Und Geometrie*. <https://doi.org/10.1007/s13366-023-00698-8>

[Link](#)

101 Mathematik

de Vries, C., Lombardi, N., & Saorín Gómez, E. (2023). On linearized versions of matrix inequalities. *Linear Algebra and Its Applications*, 674, 21–45. <https://doi.org/10.1016/j.laa.2023.05.020>

[Link](#)

101 Mathematik

Mahon, L., & Lukasiewicz, T. (2024). Minimum description length clustering to measure meaningful image complexity. *Pattern Recognition*, 145, Article 109889. <https://doi.org/10.1016/j.patcog.2023.109889>

[Link](#)

101 Mathematik

102 Informatik

Han, T., Cao, W., Xu, Z., Adibnia, V., Olgiati, M., Valtiner, M., Ma, L., Zhang, C., Ma, M., Luo, J., & Banquy, X. (2023). Hydration layer structure modulates superlubrication by trivalent La³⁺ electrolytes. *Science Advances*, 9(28), Article eadf3902. <https://doi.org/10.1126/sciadv.adf3902>

[Link](#)

103 Physik, Astronomie

104 Chemie

Burgstaller-Muehlbacher, S., Crotty, S., Schmidt, H., Reden, F., Drucks, T., & von Haeseler, A. (2023). ModelRevelator: Fast phylogenetic model estimation via deep learning. *Molecular Phylogenetics and Evolution*, 188, Article 107905. <https://doi.org/10.1016/j.ympev.2023.107905>

[Link](#)

102 Informatik

106 Biologie

Li, K., Wang, X., He, Q., Yang, M., Huang, M., & Dustdar, S. (2023). Task Computation Offloading for Multi-Access Edge Computing via Attention Communication Deep Reinforcement Learning. *IEEE Transactions on Services Computing*, 16(4), 2985–2999. <https://doi.org/10.1109/TSC.2022.3225473>

[Link](#)

102 Informatik

Balantic, K., Weiss, V., Pittenauer, E., Miklavcic, D., & Kramar, P. (2023). The role of lipid oxidation on electrical properties of planar lipid bilayers and its importance for understanding electroporation. *Bioelectrochemistry*, 153, Article 108498. <https://doi.org/10.1016/j.bioelechem.2023.108498>

[Link](#)

104 Chemie

Li, Y., Zhang, T., Lv, X., & Wang, W. (2023). Profiling Public Transit Passenger Mobility Using Adversarial Learning. *ISPRS International Journal of Geo-Information*, 12(8), Article 338. <https://doi.org/10.3390/ijgi12080338>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Weyns, D., Gerostathopoulos, I., Abbas, N., Andersson, J., Biffl, S., Brada, P., Bures, T., Di Salle, A., Galster, M., Lago, P., Lewis, G., Litoiu, M., Musil, A., Musil, J., Patros, P., & Pelliccione, P. (2023). Self-Adaptation in Industry: A Survey. *ACM Transactions on Autonomous and Adaptive Systems*, 18(2), 1–44. <https://doi.org/10.1145/3589227>

[Link](#)

102 Informatik

Casas, E., Dominguez Corella, A., & Jork, N. A. (2023). New Assumptions for Stability Analysis in Elliptic Optimal Control Problems. *SIAM Journal on Control and Optimization*, 61(3), 1394–1414. <https://doi.org/10.1137/22M149199X>

[Link](#)

101 Mathematik

Papadopoulou, E., Cabrera Gonzalez, M. M. V., Reif, D., Ahmed, A. E. G., Tsapekos, P., Angelidaki, I., & Harasek, M. (2023). Separation of lactic acid from fermented residual resources using membrane technology. *Journal of Environmental Chemical Engineering*, 11(5), Article 110881. <https://doi.org/10.1016/j.jece.2023.110881>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Kim, H., Crow, W., Li, X., Wagner, W., Hahn, S., & Lakshmi, V. (2023). True global error maps for SMAP, SMOS, and ASCAT soil moisture data based on machine learning and triple collocation analysis. *Remote Sensing of Environment*, 298, Article 113776. <https://doi.org/10.34726/4844>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pistocchi, A., Grizzetti, B., Nielsen, P. H., Parravicini, V., Steinmetz, H., Thornberg, D., & Vigiak, O. (2023). An assessment of options to improve the removal of excess nutrients from European wastewater. *Water, Air, & Soil Pollution*, 234, Article 595. <https://doi.org/10.1007/s11270-023-06478-3>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Tominski, C., Behrisch, M., Bleisch, S., Fabrikant, S. I., Mayr, E., Miksch, S., & Purchase, H. (2023). Visualizing Uncertainty in Sets. *IEEE Computer Graphics and Applications*, 1–13. <https://doi.org/10.1109/MCG.2023.3300441>

[Link](#)

102 Informatik

Kusa, W., Mendoza, Ó. E., Knoth, P., Pasi, G., & Hanbury, A. (2023). Effective matching of patients to clinical trials using entity extraction and neural re-ranking. *Journal of Biomedical Informatics*, 144, Article 104444. <https://doi.org/10.1016/j.jbi.2023.104444>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Shurbert-Hetzel, C., Daneshvar, D., Robisson, A., & Shafei, B. (2023). Data-enabled comparison of six prediction models for concrete shrinkage and creep. *Case Studies in Construction Materials*, 19, Article e02406. <https://doi.org/10.1016/j.cscm.2023.e02406>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Bringmann, P., Carstensen, C., & Streitberger, J. (2023). Local parameter selection in the C0 interior penalty method for the biharmonic equation. *Journal of Numerical Mathematics*. <https://doi.org/10.1515/jnma-2023-0028>

[Link](#)

101 Mathematik

Tangpakonsab, P., Genest, A., Yang, J., Meral, A., Zou, B., Yigit, N., Schwarz, S., & Rupprechter, G. (2023). Kinetic and Computational Studies of CO Oxidation and PROX on Cu/CeO₂ Nanospheres. *Topics in Catalysis*. <https://doi.org/10.1007/s11244-023-01848-x>

[Link](#)

104 Chemie

Sukprom, T., Somchuea, P., Sringam, S., Witoon, T., Chareonpanich, M., Iamprasertkun, P., Faungnawakij, K., Rupprechter, G., & Seubsai, A. (2023). Direct conversion of methane to value-added hydrocarbons using hybrid catalysts of Ni/Al₂O₃ and K-Co/Al₂O₃. *Reaction Chemistry and Engineering*, 8(8), 1868–

1881. <https://doi.org/10.1039/D3RE00055A>

[Link](#)

104 Chemie

Moller, F. S., Besse, N., Mazets, I., Stimming, H. P., & Mauser, N. J. (2023). The dissipative Generalized Hydrodynamic equations and their numerical solution. *Journal of Computational Physics*, 493, Article 112431. <https://doi.org/10.1016/j.jcp.2023.112431>

[Link](#)

103 Physik, Astronomie

Asencios, Y. J. O., Yigit, N., Wicht, T., Stöger-Pollach, M., Lucrédio, A. F., Marcos, F. C. F., Assaf, E. M., & Rupprechter, G. (2023). Partial Oxidation of Bio-methane over Nickel Supported on MgO–ZrO₂ Solid Solutions. *Topics in Catalysis*. <https://doi.org/10.1007/s11244-023-01822-7>

[Link](#)

104 Chemie

Winkler, P., Raab, M., Zeininger, J., Rois, L. M., Suchorski, Y., Stöger-Pollach, M., Amati, M., Parmar, R., Gregoratti, L., & Rupprechter, G. (2023). Imaging Interface and Particle Size Effects by In Situ Correlative Microscopy of a Catalytic Reaction. *ACS Catalysis*, 13(11), 7650–7660. <https://doi.org/10.1021/acscatal.3c00060>

[Link](#)

104 Chemie

Murtha, L., Hardy, S., Mabotuwana, N., Bigland, M., Bailey, T., Raguram, K., Liu, S., Ngo, D., Sverdllov, A., Tomin, T., Birner-Gruenberger, R., Hume, R., Iismaa, S., Humphreys, D., Patrick, R., Chong, J., Lee, R. J., Harvey, R., Graham, R. M., ... Boyle, A. J. (2023). Fibulin-3 is necessary to prevent cardiac rupture following myocardial infarction. *Scientific Reports*, 13, Article 14995. <https://doi.org/10.1038/s41598-023-41894-9>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Cannizzaro, G., Erhard, D., & Toninelli, F. L. (2023). The stationary AKPZ equation: logarithmic superdiffusivity. *Communications on Pure and Applied Mathematics*, 76(11), 3044–3103. <https://doi.org/10.1002/cpa.22108>

[Link](#)

101 Mathematik

Boumeriame, H., Cherevan, A., Eder, D., Apaydin, D. H., Chafik, T., Da Silva, E., & Faria, J. L. (2023). Engineering g-C₃N₄ with CuAl-layered double hydroxide in 2D/2D heterostructures for visible-light water splitting. *Journal of Colloid and Interface Science*, 652(B), 2147–2158. <https://doi.org/10.1016/j.jcis.2023.08.159>

[Link](#)

104 Chemie

Guo, S., Xiao, Y., Cherevan, A., Eder, D., Xu, L., Zeng, Q., Ouyang, Y., Zhang, Q., & Huang, S. (2023). Catalytic multivariable metal-organic frameworks for lithium-sulfur batteries. *Materials Today*, 65, 37–46. <https://doi.org/10.1016/j.mattod.2023.03.019>

[Link](#)

104 Chemie

Lis, B., Mommsen, H., & Sterba, J. (2023). Imported pottery at the cemetery of Perati in light of the current results of Neutron Activation Analysis. *Journal of Archaeological Science: Reports*, 51, Article 104158. <https://doi.org/https://doi.org/10.1016/j.jasrep.2023.104158>

[Link](#)

103 Physik, Astronomie
104 Chemie
107 Andere Naturwissenschaften

Roongraung, K., Cherevan, A., Eder, D., & Chuangchote, S. (2023). CdS/TiO₂ nanostructures synthesized via the SILAR method for enhanced photocatalytic glucose conversion and simultaneous hydrogen production under UV and simulated solar irradiation. *Catalysis Science & Technology*. <https://doi.org/10.1039/D3CY00225J>

[Link](#)

104 Chemie

Ayala, P., Naghdi, S., Nandan, S. P., Myakala, S. N., Rath, J., Saito, H., Guggenberger, P., Lakhanlal, L., Kleitz, F., Toroker, M. C., Cherevan, A., & Eder, D. (2023). The Emergence of 2D Building Units in Metal-Organic Frameworks for Photocatalytic Hydrogen Evolution: A Case Study with COK-47. *Advanced Energy Materials*, 13(31), Article 2300961. <https://doi.org/10.1002/aenm.202300961>

[Link](#)

104 Chemie

Dellinger, F., Li, X., & Wang, H. (2023). Discrete orthogonal structures. *Computers and Graphics*, 114, 126–137. <https://doi.org/10.1016/j.cag.2023.05.024>

[Link](#)

101 Mathematik

102 Informatik

Biezma, M. V., Strobl, S., Linhardt, P., Ball, G., & Haubner, R. (2023). Dezincification in cast and heat-treated alpha-beta brass samples. *Praktische Metallographie*, 60(10), 632–642. <https://doi.org/10.1515/pm-2023-1053>

[Link](#)

104 Chemie

Korjenic, A., Klaric, S., Aktee, A., Muslija, I., & Jozic, D. (2023). Link among governance, investment, and design in creating sustainable and livable residential architecture in Germany, Croatia, and Bosnia and Herzegovina. *Buildings*, 13(9), Article 2271. <https://doi.org/10.3390/buildings13092271>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Stöcker, Y., Golla, C., Jain, R., Fröhlich, J., & Cinnella, P. (2023). DNS-Based Turbulent Closures for Sediment Transport Using Symbolic Regression. *Flow, Turbulence and Combustion*. <https://doi.org/10.1007/s10494-023-00482-7>

[Link](#)

203 Maschinenbau

Vonk, V., Volkov, S., Keller, T. F., Hutterer, A., Lakner, P., Bertram, F., Fleig, J., Opitz, A. K., & Stierle, A. (2023). Reversible Ultrathin PtO₂ Formation at the Buried Pt/YSZ(111) Interface Studied In Situ under Electrochemical Polarization. *Journal of Physical Chemistry Letters*, 14(8), 2065–2071. <https://doi.org/10.1021/acs.jpcclett.2c03614>

[Link](#)

104 Chemie

Siebenhofer, M., Nanning, A., Wilson, G. E., Kilner, J. A., Rameshan, C., Kubicek, M., Fleig, J., & Blaha, P. (2023). Electronic and ionic effects of sulphur and other acidic adsorbates on the surface of an SOFC cathode material. *Journal of Materials Chemistry A: Materials for Energy and Sustainability*, 11(13), 7213–7226. <https://doi.org/10.1039/d3ta00978e>

[Link](#)

104 Chemie

Reisecker, V., Flatscher, F., Porz, L., Fincher, C., Todt, J., Hanghofer, I., Hennige, V., Linares-Moreau, M., Falcaro, P., Ganschow, S., Wenner, S., Chiang, Y.-M., Keckes, J., Fleig, J., & Rettenwander, D. (2023). Effect of pulse-current-based protocols on the lithium dendrite formation and evolution in all-solid-state batteries. *Nature Communications*, 14(1), Article 2432. <https://doi.org/10.1038/s41467-023-37476-y>

[Link](#)

104 Chemie

Neagu, D., Irvine, J. T. S., Wang, J., Yildiz, B., Opitz, A. K., Fleig, J., Wang, Y., Liu, J., Shen, L., Ciucci, F., Rosen, B., Xiao, Y., Xie, K., Yang, G., Shao, Z., Zhang, Y., Reinke, J., Schmauss, T., Barnett, S. A., ... Liu, G. (2023). Roadmap on exsolution for energy applications. *JPhys Energy*, 5(3), Article 031501. <https://doi.org/10.1088/2515-7655/acd146>

[Link](#)

104 Chemie

Adomako, N. K., Haghadi, N., Dingle, J. F. L., Kozeschnik, E., Liao, X., Ringer, S. P., & Primig, S. (2023). Predicting solid-state phase transformations during metal additive manufacturing: A case study on electron-beam powder bed fusion of Inconel-738. *Additive Manufacturing*, 76, Article 103771. <https://doi.org/10.1016/j.addma.2023.103771>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Riedl, C., Siebenhofer, M., Nenning, A., Wilson, G., Kilner, J., Rameshan, C., Limbeck, A., Opitz, A. K., Kubicek, M., & Fleig, J. (2023). Surface Decorations on Mixed Ionic and Electronic Conductors: Effects on Surface Potential, Defects, and the Oxygen Exchange Kinetics. *ACS Applied Materials and Interfaces*, 15(22), 26787–26798. <https://doi.org/10.1021/acsami.3c03952>

[Link](#)

104 Chemie

Ring, J., Laa, L., Limbeck, A., Vonk, V., Volkov, S., Nenning, A., & Fleig, J. (2023). Electrochemical Stability Window and Electrolyte Breakdown Mechanisms of Lithium Lanthanum Titanate. *Journal of The Electrochemical Society*, 170(6), Article 060509. <https://doi.org/10.1149/1945-7111/acd818>

[Link](#)

104 Chemie

Zambella, G., Schuller, R., Mesesan, G., Bicchi, A., Ott, C., & Lee, J. (2023). Agile and Dynamic Standing-Up Control for Humanoids Using 3D Divergent Component of Motion in Multi-Contact Scenario. *IEEE Robotics and Automation Letters*, 8(9), 5624–5631. <https://doi.org/10.1109/LRA.2023.3297060>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zenz, C., Buttazzoni, M., Martínez Cenicerros, M., Gomez Vazquez, R., Blasco Puchades, J. R., Portoles, L., & Otto, A. (2023). Simulation-based process optimization of laser-based powder bed fusion by means of beam shaping. *Additive Manufacturing*, 77, Article 103793. <https://doi.org/10.1016/j.addma.2023.103793>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Seres, J., Seres, E., Céspedes, E., Martínez-de-Olcoz, L., Zabala, M., & Schumm, T. (2023). Probing nonperturbative third and fifth harmonic generation on silicon without and with thermal oxide layer.

Journal of Optics, 25(10), Article 105501. <https://doi.org/10.1088/2040-8986/acefe4>

[Link](#)

103 Physik, Astronomie

Kraemer, S., Moens, J., Athanasakis-Kaklamanakis, M., Bara, S., Beeks, K., Chhetri, P., Chrysalidis, K., Claessens, A., Cocolios, T. E., Correia, J. G. M., Witte, H. D., Ferrer, R., Geldhof, S., Heinke, R., Hosseini, N., Huyse, M., Köster, U., Kudryavtsev, Y., Laatiaoui, M., ... Wahl, U. (2023). Observation of the radiative decay of the ^{229}Th nuclear clock isomer. *Nature*, 617(7962), 706–710. <https://doi.org/10.1038/s41586-023-05894-z>

[Link](#)

103 Physik, Astronomie

Beeks, K., Sikorsky, T., Rosecker, V., Pressler, M., Schaden, F., Werban, D., Hosseini, N., Rudischer, L., Schneider, F., Berwian, P., Friedrich, J., Hainz, D., Welch, J., Sterba, J., Kazakov, G., & Schumm, T. (2023). Growth and characterization of thorium-doped calcium fluoride single crystals. *Scientific Reports*, 13(1), Article 3897. <https://doi.org/10.1038/s41598-023-31045-5>

[Link](#)

103 Physik, Astronomie

Duan, W., Zhuge, Y., Chow, C. W. K., Keegan, A., Liu, Y., & Merta, I. (2023). Mitigation of alkali-silica reaction in blast-furnace slag-based alkaline activated material through incorporation of alum water treatment residue. *Construction and Building Materials*, 406, Article 133383. <https://doi.org/10.1016/j.conbuildmat.2023.133383>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Brötzner, J., Cupak, C., Fellingner, M., Biber, H. A., Lopez-Cazalilla, A., Granberg, F., Kporha, F., Mutzke, A., González-Arrabal, R., & Aumayr, F. (2023). Sputtering yield reduction for nano-columnar W surfaces under D ion irradiation. *Nuclear Materials and Energy*, 37, Article 1015071. <https://doi.org/10.1016/j.nme.2023.101507>

[Link](#)

103 Physik, Astronomie

Becker, R., Brunner, M., Innerberger, M., Melenk, J. M., & Praetorius, D. (2023). Cost-optimal adaptive iterative linearized FEM for semilinear elliptic PDEs. *ESAIM-MATHEMATICAL MODELLING AND NUMERICAL ANALYSIS*, 57(4), 2193–2225. <https://doi.org/10.1051/m2an/2023036>

[Link](#)

101 Mathematik

Garmroudi, F., Parzer, M., Riss, A., Bourgès, C., Khmelevskiy, S., Mori, T., Bauer, E., & Pustogow, A. (2023). High thermoelectric performance in metallic NiAu alloys via interband scattering. *Science Advances*, 9(37), Article eadj1611. <https://doi.org/10.1126/sciadv.adj1611>

[Link](#)

103 Physik, Astronomie

Osmolovskii, N. P., & Veliov, V. (2023). On the Strong Subregularity of the Optimality Mapping in an Optimal Control Problem with Pointwise Inequality Control Constraints. *Applied Mathematics and Optimization*, 87(3), Article 43. <https://doi.org/10.1007/s00245-022-09959-9>

[Link](#)

101 Mathematik

Fichtinger, A., Edelmann, J., Plöchl, M., Höll, M., & Unterreiner, M. (2023). Slip slope change detection based on active drive force excitation. *Proceedings of the Institution of Mechanical Engineers, Part D:*

Journal of Automobile Engineering. <https://doi.org/10.34726/5229>

[Link](#)

203 Maschinenbau

Weston, S., de Witt, A., Krásná, H., Le Bail, K., Hardin, S., Gordon, D., Shu, F., Fey, A., Schartner, M., Basu, S., Titov, O., Behrend, D., Jacobs, C., Hankey, W., Salguero, F., & Reynolds, J. E. (2023). On more than two decades of Celestial Reference Frame VLBI observations in the deep south: IVS-CRDS (1995–2021). *Publications of the Astronomical Society of Australia*, 40, Article e041. <https://doi.org/10.1017/pasa.2023.33>

[Link](#)

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ressel, G., Brandl, D., Hönigmann, T., Lukas, M., Stark, A., Gruber, C., Lukas, S., Stockinger, M., & Kozeschnik, E. (2023). Microstructural refinement by spontaneous recrystallization without prior deformation of a 15-5 PH steel alloy and its mechanism. *Materials & Design*, 234, Article 112370. <https://doi.org/10.1016/j.matdes.2023.112370>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Wu, A., Deng, D., Chen, M., Liu, S., Keim, D., Maciejewski, R., Miksch, S., Strobelt, H., Viegas, F., & Wattenberg, M. (2023). Grand Challenges in Visual Analytics Applications. *IEEE Computer Graphics and Applications*, 43(5), 83–90. <https://doi.org/10.1109/MCG.2023.3284620>

[Link](#)

102 Informatik

Rösslhuber, R., Hübner, R., Dressel, M., & Pustogow, A. (2023). Pressure-dependent dielectric response of the frustrated Mott insulator $\text{?(BEDT-TTF)}_2\text{Ag}_2(\text{CN})_3$. *Physical Review B*, 107(7), Article 075113. <https://doi.org/10.1103/PhysRevB.107.075113>

[Link](#)

103 Physik, Astronomie

Minganti, F., Garbe, L. M. F., Le Boité, A., & Felicetti, S. (2023). Non-Gaussian superradiant transition via three-body ultrastrong coupling. *Physical Review A*, 107, Article 013715. <https://doi.org/10.1103/PhysRevA.107.013715>

[Link](#)

103 Physik, Astronomie

Durán, A., Fernández, P., García, J. M., & Dustdar, S. (2023). FIDES: A Proposal for Federated Accountability in the Compute Continuum. *IEEE Internet Computing*, 27(5), 33–42. <https://doi.org/10.1109/MIC.2023.3301585>

[Link](#)

102 Informatik

Sun, D., Hu, J., Wu, H., Wu, J., Yang, J., Sheng, Q. Z., & Dustdar, S. (2024). A Comprehensive Survey on Collaborative Data-access Enablers in the IIoT. *ACM Computing Surveys*, 56(2), 1–37. <https://doi.org/10.1145/3612918>

[Link](#)

102 Informatik

Gericke, S. M., Kauppinen, M. M., Wagner, M., Riva, M., Franceschi, G., Posada-Borbón, A., Rämisch, L., Pfaff, S., Rheinfrank, E., Imre, A. M., Preobrajenski, A. B., Appelfeller, S., Blomberg, S., Merte, L. R., Zetterberg, J., Diebold, U., Grönbeck, H., & Lundgren, E. (2023). Effect of different $\text{In}_2\text{O}_3(111)$ surface terminations on CO_2 adsorption. *ACS Applied Materials and Interfaces*, 15(38), 45367–45377. <https://doi.org/10.1021/acsami.3c08000>

doi.org/10.1021/acsami.3c07166

[Link](#)

103 Physik, Astronomie

Bécache, É., Kachanovska, M., & Wess, M. (2023). Convergence analysis of time-domain PMLS for 2D electromagnetic wave propagation in dispersive waveguides. *ESAIM: Mathematical Modelling and Numerical Analysis*, 57(4), 2451–2491. <https://doi.org/10.1051/m2an/2023060>

[Link](#)

101 Mathematik

Muhammad, Q. K., Valderrama, M., Yue, M., Opitz, A. K., Taibl, S., Siebenhofer, M., Bruder, E., Fleig, J., Fang, X., & Frömling, T. (2023). Dislocation-tuned electrical conductivity in solid electrolytes (9YSZ): A micro-mechanical approach. *Journal of the American Ceramic Society*, 106(11), 6705–6716. <https://doi.org/10.1111/jace.19291>

[Link](#)

104 Chemie

Xiao, Z., Li, H., Jiang, H., Li, Y., Alazab, M., Zhu, Y., & Dustdar, S. (2023). Predicting Urban Region Heat via Learning Arrive-Stay-Leave Behaviors of Private Cars. *IEEE Transactions on Intelligent Transportation Systems*, 24(10), 10843–10856. <https://doi.org/10.1109/TITS.2023.3276704>

[Link](#)

102 Informatik

Zhou, M., Liu, L., Sun, Y., Wang, K., Dong, M., Atiquzzaman, M., & Dustdar, S. (2023). On Vehicular Ad-Hoc Networks With Full-Duplex Radios: An End-to-End Delay Perspective. *IEEE Transactions on Intelligent Transportation Systems*, 24(10), 10912–10922. <https://doi.org/10.1109/TITS.2023.3279322>

[Link](#)

102 Informatik

Gusev, A., Braga, E., Zamnius, E., Kiskin, M., Ali, A., Baryshnikov, G., & Linert, W. (2023). Mononuclear copper(i) complexes bearing a 3-phenyl-5-(pyridin-4-yl)-1,2,4-triazole ligand: synthesis, crystal structure, TADF-luminescence, and mechanochromic effects. *Dalton Transactions*. <https://doi.org/10.1039/D3DT02633G>

[Link](#)

103 Physik, Astronomie

104 Chemie

Pasik, A. J., Gruber, A., Preimesberger, W., De Santis, D., & Dorigo, W. A. (2023). Uncertainty estimation for a new exponential-filter-based long-term root-zone soil moisture dataset from Copernicus Climate Change Service (C3S) surface observations. *Geoscientific Model Development*, 16(17), 4957–4976. <https://doi.org/10.5194/gmd-16-4957-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Shen, X., Jiang, H., Liu, D., Yang, K., Deng, F., Zhang, T., Xiao, Z., Lui, J. C. S., Liu, J., Dustdar, S., & Luo, J. (2023). PupilHeart: Heart Rate Variability Monitoring via Pupillary Fluctuations on Mobile Devices. *IEEE Internet of Things Journal*, 10(20), 18042–18053. <https://doi.org/10.1109/JIOT.2023.3277555>

[Link](#)

102 Informatik

Faber, T., Filipovic, L., & Koster, L. J. A. (2023). The Role of Thermalization in the Cooling Dynamics of Hot Carrier Solar Cells. *Solar RRL*, 7(13), 1–9. <https://doi.org/10.1002/solr.202300140>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Titze, M., Poplawsky, J. D., Kretschmer, S., Krashennikov, A. V., Doyle, B. L., Bielejec, E. S., Hobler, G., & Belianinov, A. (2023). Measurement and Simulation of Ultra-Low-Energy Ion–Solid Interaction Dynamics. *Micromachines*, 14(10), 1884. <https://doi.org/10.3390/mi14101884>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Letz, T., Hörandtner, C., Braunisch, M. C., Gundel, P., Matschkal, J., Bachler, M., Lorenz, G., Körner, A., Schaller, C., Lattermann, M., Holzinger, A., Heemann, U., Wassertheurer, S., Schmaderer, C., & Mayer, C. C. (2023). Automatic ECG-based detection of left ventricular hypertrophy and its predictive value in haemodialysis patients. *Physiological Measurement*, 44(7), Article 075002. <https://doi.org/10.1088/1361-6579/acdfb3>

[Link](#)

101 Mathematik

Franka, M., Edthofer, A., Körner, A., Widmann, S., Fenzl, T., Schneider, G., & Kreuzer, M. (2023). An in-depth analysis of parameter settings and probability distributions of specific ordinal patterns in the Shannon permutation entropy during different states of consciousness in humans. *Journal of Clinical Monitoring and Computing*. <https://doi.org/10.1007/s10877-023-01051-z>

[Link](#)

101 Mathematik

Thalhammer, S., Jean-Baptiste Weibel, Markus Vincze, & Rodriguez-Garcia, J. (2023). Self-supervised Vision Transformers for 3D Pose Estimation of Novel Objects. *Image and Vision Computing*, 139, Article 104816. <https://doi.org/10.1016/j.imavis.2023.104816>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Thalhammer, S., Weibel, J.-B., Vincze, M., & Rodriguez-Garcia, J. (2023). Self-supervised Vision Transformers for 3D pose estimation of novel objects. *Image and Vision Computing*, 139, Article 104816. <https://doi.org/10.1016/j.imavis.2023.104816>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zarate-Galvez, S., Garcia-Barrientos, A., Lastras-Martinez, L. F., Cardenas-Juarez, M., Macias-Velasquez, S., Filipovic, L., & Arce-Casas, A. (2023). Optimization of Doping Concentration to Obtain High Internal Quantum Efficiency and Wavelength Stability in An InGaN/GaN Blue Light-Emitting Diode. *ECS Journal of Solid State Science and Technology*, 12(7), Article 076014. <https://doi.org/10.1149/2162-8777/ace7c4>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Gao, X., Appel, P., Friis, N., Ringbauer, M., & Huber, M. (2023). On the role of entanglement in qudit-based circuit compression. *Quantum*, 7, Article 1141. <https://doi.org/10.22331/q-2023-10-16-1141>

[Link](#)

103 Physik, Astronomie

Feng, J., Bao, S., Xu, X., Zhang, Z., Hou, P., Steyskal, F., & Dustdar, S. (2023). Rotating machinery fault diagnosis based on feature extraction via an unsupervised graph neural network. *Applied Intelligence*, 53(18), 21211–21226. <https://doi.org/10.1007/s10489-023-04665-7>

[Link](#)

102 Informatik

Key, K., Abdelmalik, M. R. A., Elgeti, S., Hughes, T. J. R., & Baidoo, F. A. (2023). Finite element and

isogeometric stabilized methods for the advection-diffusion-reaction equation. *Computer Methods in Applied Mechanics and Engineering*, 417(B), Article 116354. <https://doi.org/10.1016/j.cma.2023.116354>

[Link](#)

101 Mathematik

203 Maschinenbau

Kahlenberg, R., Falkinger, G., Milkereit, B., & Kozeschnik, E. (2023). Modeling of heterogeneous site energy distributions in precipitate nucleation. *Modelling and Simulation in Materials Science and Engineering*, 31(8), Article 085003. <https://doi.org/10.1088/1361-651X/acf512>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Liu, X., Wigneron, J.-P., Wagner, W., Frappart, F., Fan, L., Vreugdenhil, M., Baghdadi, N., Zribi, M., Jagdhuber, T., Tao, S., Li, X., Wang, H., Wang, M., Bai, X., Mousa, B. G., & Ciais, P. (2023). A new global C-band vegetation optical depth product from ASCAT: Description, evaluation, and inter-comparison. *Remote Sensing of Environment*, 299, Article 113850. <https://doi.org/10.34726/5144>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Valkenburg, B., De Lannoy, G. J. M., Gruber, A., Miralles, D. G., Köhler, P., Frankenberg, C., Desai, A. R., Humphreys, E., Klatt, J., Lohila, A., Nilsson, M. B., Tuittila, E. S., & Bechtold, M. (2023). Drought and Waterlogging Stress Regimes in Northern Peatlands Detected Through Satellite Retrieved Solar-Induced Chlorophyll Fluorescence. *Geophysical Research Letters*, 50(19), Article e2023GL105205. <https://doi.org/10.1029/2023GL105205>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Bechtold, M., Modanesi, S., Lievens, H., Baguis, P., Brangers, I., Carrassi, A., Getirana, A., Gruber, A., Heyvaert, Z., Massari, C., Scherrer, S., Vannitsem, S., & De Lannoy, G. (2023). Assimilation of Sentinel-1 backscatter into a land surface model with river routing and its impact on streamflow simulations in two Belgian catchments. *Journal of Hydrometeorology*, 24(12), 2389–2408. <https://doi.org/10.1175/JHM-D-22-0198.1>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Cho, J., Leschke, K., & Ogata, Y. (2023). Periodic discrete Darboux transforms. *Differential Geometry and Its Applications*, 91, Article 102065. <https://doi.org/10.1016/j.difgeo.2023.102065>

[Link](#)

101 Mathematik

103 Physik, Astronomie

Krešić, I., & Ackemann, T. (2023). Quantum enhanced SU(1,1) matter-wave interferometry in a ring cavity. *Physical Review A*, 108(4), Article 043302. <https://doi.org/10.1103/PhysRevA.108.043302>

[Link](#)

103 Physik, Astronomie

Krešić, I., Robb, G. R. M., Oppo, G.-L., & Ackemann, T. (2023). Generating Multiparticle Entangled States by Self-Organization of Driven Ultracold Atoms. *Physical Review Letters*, 131(16), Article 163602.

<https://doi.org/10.1103/PhysRevLett.131.163602>

[Link](#)

103 Physik, Astronomie

Daniilidis, A., & Drusvyatskiy, D. (2023). The slope robustly determines convex functions. *Proceedings of the American Mathematical Society*, 151(11), 4751–4756. <https://doi.org/10.1090/proc/16503>

[Link](#)

101 Mathematik

Roth, F., Bauer-Marschallinger, B., Tupas, M. E., Reimer, C., Salamon, P., & Wagner, W. (2023). Sentinel-1-based analysis of the severe flood over Pakistan 2022. *Natural Hazards and Earth System Sciences*, 23(10), 3305–3317. <https://doi.org/10.5194/nhess-23-3305-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Del Grosso, G., Pichler, G., Palamidessi, C., & Piantanida, P. (2023). Bounding information leakage in machine learning. *Neurocomputing*, 534, 1–17. <https://doi.org/10.1016/j.neucom.2023.02.058>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Li, Q., Yuan, L., & Jiang, Z. (2023). Modeling tropospheric zenith wet delays in the Chinese mainland based on machine learning. *GPS Solutions*, 27(4), Article 171. <https://doi.org/10.1007/s10291-023-01507-4>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ceric, H., Zahedmanesh, H., Croes, K., Lacerda de Orio, R., & Selberherr, S. (2023). Electromigration-Induced Void Evolution and Failure of Cu/SiCN Hybrid Bonds. *Journal of Applied Physics*, 133(10), Article 105101. <https://doi.org/10.1063/5.0134692>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Yu, M., Guo, M., Zhang, S., Zhan, Y., Zhao, M., Lukasiewicz, T., & Xu, Z. (2023). RIRGAN: An end-to-end lightweight multi-task learning method for brain MRI super-resolution and denoising. *Computers in Biology and Medicine*, 167, Article 107632. <https://doi.org/10.1016/j.combiomed.2023.107632>

[Link](#)

101 Mathematik

102 Informatik

Faustmann, M., Stephan, E. P., & Wörgötter, D. (2023). Two-level error estimation for the integral fractional Laplacian. *Computational Methods in Applied Mathematics*, 23(3), 603–621. <https://doi.org/10.1515/cmam-2022-0195>

[Link](#)

101 Mathematik

Cho, J., Lee, D., Lee, W., & Yang, S.-D. (2024). Spinor representation in isotropic 3-space via Laguerre geometry. *Results in Mathematics*, 79(1), Article 8. <https://doi.org/10.1007/s00025-023-02031-0>

[Link](#)

101 Mathematik

103 Physik, Astronomie

Hageman, K., Feal, A., Gamba, J., Girish, A., Bleier, J., Lindorfer, M., Tapiador, J., & Vallina-Rodriguez, N. (2023). Mixed Signals: Analyzing Software Attribution Challenges in the Android Ecosystem. *IEEE Transactions on Software Engineering*, 49(4), 2964–2979. <https://doi.org/10.34726/5296>

[Link](#)

102 Informatik

Fallahnejad, M., Kranzl, L., Haas, R., Hummel, M., Müller, A., Sánchez-García, L., & Persson, U. (2024). District heating potential in the EU-27: Evaluating the impacts of heat demand reduction and market share growth. *Applied Energy*, 353(B), Article 122154. <https://doi.org/10.1016/j.apenergy.2023.122154>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Piccolotto, N., Bogl, M., Muehlmann, C., Nordhausen, K., Filzmoser, P., Schmidt, J., & Miksch, S. (2023). Data Type Agnostic Visual Sensitivity Analysis. *IEEE Transactions on Visualization and Computer Graphics*. <https://doi.org/10.1109/TVCG.2023.3327203>

[Link](#)

101 Mathematik

102 Informatik

Stabentheiner, M., Diehle, P., Altmann, F., Hübner, S., Lejoyeux, M., Taylor, A. A., Wieland, D., Pogany, D., & Ostermaier, C. (2023). Test concept for a direct correlation between dislocations and the intrinsic degradation of lateral PIN diodes in GaN-on-Si under reverse bias. *Microelectronics Reliability*, 150, Article 115071. <https://doi.org/10.1016/j.microrel.2023.115071>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hartarsky, I., & Lichev, L. (2023). Brownian snails with removal die out in one dimension. *Electronic Communications in Probability*, 28, 1–8. <https://doi.org/10.1214/23-ECP551>

[Link](#)

101 Mathematik

Druet, P.-É., Hopf, K., & Jüngel, A. (2023). Hyperbolic–parabolic normal form and local classical solutions for cross-diffusion systems with incomplete diffusion. *Communications in Partial Differential Equations*, 48(6), 863–894. <https://doi.org/10.1080/03605302.2023.2212479>

[Link](#)

101 Mathematik

Müller, C., & Pottmann, H. (2023). The geometry of discrete asymptotic-geodesic 4-webs in isotropic 3-space. *Monatshefte Für Mathematik*. <https://doi.org/10.1007/s00605-023-01916-0>

[Link](#)

101 Mathematik

Gregorovic, J., & Zalabová, L. (2023). First BGG operators on homogeneous conformal geometries. *Classical and Quantum Gravity*, 40(6), Article 065010. <https://doi.org/10.1088/1361-6382/acbc05>

[Link](#)

101 Mathematik

102 Informatik

Cakir, C. T., Piotrowiak, T. H., Reinholz, U., Ludwig, A., Emmerling, F., Strel, C., Guilherme Buzanich, A., & Radtke, M. (2023). Exploring the Depths of Corrosion: A Novel GE-XANES Technique for Investigating Compositionally Complex Alloys. *Analytical Chemistry*, 95(10), 4810–4818. <https://doi.org/10.1021/acs.analchem.3c00404>

[Link](#)

103 Physik, Astronomie

Bertola, M., Blöschl, G., Bohac, M., Borga, M., Castellarin, A., Chirico, G. B., Claps, P., Dallan, E., Danilovich, I., Ganora, D., Gorbachova, L., Ledvinka, O., Mavrova-Guirguinova, M., Montanari, A., Ovcharuk, V., Viglione, A., Volpi, E., Arheimer, B., Aronica, G. T., ... Zivkovic, N. (2023). Megafloods in Europe can be anticipated from observations in hydrologically similar catchments. *Nature Geoscience*, 16(11), 982–988. <https://doi.org/10.34726/5233>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pichler, G., Romanelli, M., Vega, L., & Piantanida, P. (2023). Perfectly Accurate Membership Inference by a Dishonest Central Server in Federated Learning. *IEEE Transactions on Dependable and Secure Computing*, 1–8. <https://doi.org/10.1109/TDSC.2023.3326230>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Dada, L., Stolzenburg, D., Simon, M., Fischer, L., Heinritzi, M., Wang, M., Xiao, M., Vogel, A. L., Ahonen, L., Amorim, A., Baalbaki, R., Baccarini, A., Baltensperger, U., Bianchi, F., Daellenbach, K. R., DeVivo, J., Dias, A., Dommen, J., Duplissy, J., ... Kulmala, M. (2023). Role of sesquiterpenes in biogenic new particle formation. *Science Advances*, 9(36), Article eadi5297. <https://doi.org/10.1126/sciadv.adi5297>

[Link](#)

103 Physik, Astronomie

104 Chemie

105 Geowissenschaften

Stolzenburg, D., Laurila, T., Aalto, P., Vanhanen, J., Petäjä, T., & Kangasluoma, J. (2023). Improved counting statistics of an ultrafine differential mobility particle size spectrometer system. *Atmospheric Measurement Techniques*, 16(10), 2471–2483. <https://doi.org/10.5194/amt-16-2471-2023>

[Link](#)

103 Physik, Astronomie

104 Chemie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Xu, Z., Tian, B., Liu, S., Wang, X., Yuan, D., Gu, J., Chen, J., Lukasiewicz, T., & Leung, V. C. M. (2023). Collaborative Attention Guided Multi-Scale Feature Fusion Network for Medical Image Segmentation. *IEEE Transactions on Network Science and Engineering*, 1–15. <https://doi.org/10.1109/TNSE.2023.3332810>

[Link](#)

101 Mathematik

102 Informatik

You, S., Lu, P.-H., Schachinger, T., Kovács, A., Dunin-Borkowski, R. E., & Maiden, A. M. (2023). Lorentz near-field electron ptychography. *Applied Physics Letters*, 123(19), Article 192406. <https://doi.org/10.1063/5.0169788>

[Link](#)

103 Physik, Astronomie

Xu, Y., Feng, Z., Xing, M., Wu, H., Chen, S., Xue, X., & Dustdar, S. (2023). Metapath-guided multi-headed attention networks for trust prediction in heterogeneous social networks. *Knowledge-Based Systems*, 282, Article 111119. <https://doi.org/10.1016/j.knosys.2023.111119>

[Link](#)

102 Informatik

Kern, L., Schartner, M., Böhm, J., Böhm, S., Nothnagel, A., & Soja, B. (2023). On the importance of accurate pole and station coordinates for VLBI Intensive baselines. *Journal of Geodesy*, 97(10), Article

97. <https://doi.org/10.1007/s00190-023-01792-4>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Guo, H., Xu, M., Zhang, J., Liu, C., Yu, D., Dustdar, S., & Cheng, X. (2023). FileDAG: A Multi-Version Decentralized Storage Network Built on DAG-Based Blockchain. *IEEE Transactions on Computers*, 72(11), 3191–3202. <https://doi.org/10.1109/TC.2023.3288760>

[Link](#)

102 Informatik

Duan, X., Zhang, T., Xu, Z., Wan, Q., Yan, J., Wang, W., & Tian, Y. (2023). Discovering urban mobility structure: a spatio-temporal representational learning approach. *International Journal of Digital Earth*, 16(2), 4044–4072. <https://doi.org/10.1080/17538947.2023.2261769>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wang, P., Zhang, T., Zhang, H., Cheng, S., & Wang, W. (2023). Adding attention to the neural ordinary differential equation for spatio-temporal prediction. *International Journal of Geographical Information Science*. <https://doi.org/10.1080/13658816.2023.2275160>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sky, A., Neunteufel, M., Hale, J. S., & Zilian, A. (2023). A Reissner–Mindlin plate formulation using symmetric Hu-Zhang elements via polytopal transformations. *Computer Methods in Applied Mechanics and Engineering*, 416, Article 116291. <https://doi.org/10.34726/5288>

[Link](#)

101 Mathematik

Riehl, K., Neunteufel, M., & Hemberg, M. (2023). Hierarchical confusion matrix for classification performance evaluation. *Journal of the Royal Statistical Society: Series C*, Article qlad057. <https://doi.org/10.1093/jrsssc/qlad057>

[Link](#)

101 Mathematik

Sky, A., Neunteufel, M., Lewintan, P., Zilian, A., & Neff, P. (2024). Novel H (sym Curl)-conforming finite elements for the relaxed micromorphic sequence. *Computer Methods in Applied Mechanics and Engineering*, 418, Article 116494. <https://doi.org/10.1016/j.cma.2023.116494>

[Link](#)

101 Mathematik

van Loon, E. G. C. P., Schüler, M., Springer, D., Sangiovanni, G., Tomczak, J. M., & Wehling, T. O. (2023). Coulomb engineering of two-dimensional Mott materials. *Npj 2D Materials and Applications*, 7(1), Article 47. <https://doi.org/10.1038/s41699-023-00408-x>

[Link](#)

103 Physik, Astronomie

Scherrer, S., De Lannoy, G. J. M., Heyvaert, Z., Bechtold, M., Albergel, C., El-Madany, T. S., & Dorigo, W. (2023). Bias-blind and bias-aware assimilation of leaf area index into the Noah-MP land surface model over Europe. *Hydrology and Earth System Sciences*, 27(22), 4087–4114. <https://doi.org/10.5194/>

hess-27-4087-2023

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Klein, T., Zhang, D., Staufer, E., Boll, T., Schneider-Broeskamp, C., Edtmaier, C., Schmitz-Niederrau, M., Horky, J., Qiu, D., & Easton, M. (2023). Phase transformation pathways in a Ti-5.9Cu alloy modified with Fe and Al. *Journal of Materials Research and Technology*, 27, 4978–4985. <https://doi.org/10.1016/j.jmrt.2023.11.014>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Cascales Sandoval, M. A., Hierro-Rodríguez, A., Ruiz-Gómez, S., Skoric, L., Donnelly, C., Niño, M. A., Vedmedenko, E. Y., McGrouther, D., McVitie, S., Flewett, S., Jaouen, N., Foerster, M., & Fernández-Pacheco, A. (2023). Observation and formation mechanism of 360° domain wall rings in synthetic anti-ferromagnets with interlayer chiral interactions. *Applied Physics Letters*, 123(17), Article 172407. <https://doi.org/10.1063/5.0158119>

[Link](#)

103 Physik, Astronomie

Ceneda, D., Collins, C., El-Assady, M., Miksch, S., Tominski, C., & Arleo, A. (2023). A heuristic approach for dual expert/end-user evaluation of guidance in visual analytics. *IEEE Transactions on Visualization and Computer Graphics*, 30(1), 997–1007. <https://doi.org/10.1109/TVCG.2023.3327152>

[Link](#)

101 Mathematik

102 Informatik

Serrano-Gomez, J., Metson, G. S., Neset, T.-S., Santner, J., Hermann, L., & Zessner, M. (2023). EU-compliant wastewater recycled phosphorus: How much national cereal demand can it meet? *Journal of Cleaner Production*, 429. <https://doi.org/10.1016/j.jclepro.2023.139482>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Shi, Y., Ye, W., Hua, D., Zhou, Q., Huang, Z., Liu, Y., Li, S., Guo, T., Chen, Y., Eder, S. J., & Wang, H. (2023). Interfacial engineering for enhanced mechanical performance: High-entropy alloy/graphene nanocomposites. *Materials Today Physics*, 38, Article 101220. <https://doi.org/10.1016/j.mtphys.2023.101220>

[Link](#)

102 Informatik

103 Physik, Astronomie

Sequard-Base, P., Koch, A., Müller, C., Eder, S. J., & Sequard-Base, J. (2023). Velocity dependence of barrel friction. *Tribology International*, 189, Article 108964. <https://doi.org/10.1016/j.triboint.2023.108964>

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

Wilhelm, R. A., Deuzeman, M. J., Rai, S., Husinsky, W., Szabo, P. S., Biber, H. A., Stadlmayr, R., Cupak, C., Hundsbichler, J., Lemell, C., Möller, W., Mutzke, A., Hobler, G., Versolato, O. O., Aumayr, F., & Hoekstra, R. (2023). On the missing single collision peak in low energy heavy ion scattering. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 544, Article 165123. <https://doi.org/10.1016/j.nimb.2023.165123>

[Link](#)

103 Physik, Astronomie

Medini, A., & Vidnyánszky, Z. (2024). Zero-dimensional s-homogeneous spaces. *Annals of Pure and Applied Logic*, 175(1), Article 103331. <https://doi.org/10.1016/j.apal.2023.103331>

[Link](#)

101 Mathematik

Gittenberger, B., Golebiewski, Z., Larcher, I., & Sulkowska, M. (2023). Protection numbers in simply generated trees and Pólya trees. *APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS*. <https://doi.org/10.2298/AADM190329010G>

[Link](#)

101 Mathematik

102 Informatik

Kanitschar, F., George, I., Lin, J., Upadhyaya, T., & Lütkenhaus, N. (2023). Finite-Size Security for Discrete-Modulated Continuous-Variable Quantum Key Distribution Protocols. *PRX Quantum*, 4(4), Article 040306. <https://doi.org/10.1103/PRXQuantum.4.040306>

[Link](#)

101 Mathematik

103 Physik, Astronomie

Camarinha, M., & Raffaelli, M. (2023). Curvature-adapted submanifolds of semi-Riemannian groups. *International Journal of Mathematics*, 34(09), Article 2350053. <https://doi.org/10.1142/S0129167X23500532>

[Link](#)

101 Mathematik

102 Informatik

Gbaoui, L., Hoeschen, C., Kaniusas, E., Khatib, S., Gretschel, S., & Wellnhofer, E. (2023). Estimation of central blood pressure waveform from femoral blood pressure waveform by blind sources separation. *Frontiers in Cardiovascular Medicine*, 10, Article 1280899. <https://doi.org/10.3389/fcvm.2023.1280899>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

206 Medizintechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Hudak, O. E., Kutrowatz, P., Wojcik, T., Ntemou, E., Primetzhofer, D., Shang, L., Ramm, J., Hunold, O., Kolozsvári, S., Polcik, P., & Riedl-Tragenreif, H. (2023). Improved corrosion resistance of cathodic arc evaporated Al_{0.7}Cr_{0.3}-V₂N coatings in NaCl-rich media. *Corrosion Science*, 221, Article 111376. <https://doi.org/10.1016/j.corsci.2023.111376>

[Link](#)

104 Chemie

203 Maschinenbau

205 Werkstofftechnik

Hudak, O. E., Scheiber, A., Kutrowatz, P., Wojcik, T., Shang, L., Hunold, O., Kolozsvári, S., Polcik, P., & Riedl-Tragenreif, H. (2023). Low-temperature hot corrosion of arc evaporated Ti- γ -Al₂N on Ni-Cr-Co based superalloys. *Corrosion Science*, 224, Article 111565. <https://doi.org/10.1016/j.corsci.2023.111565>

[Link](#)

104 Chemie

203 Maschinenbau

205 Werkstofftechnik

Fauth, J., & Seiß, S. (2023). Ontology for building permit authorities (OBPA) for advanced building permit

processes. *Advanced Engineering Informatics*, 58, Article 102216. <https://doi.org/10.1016/j.aei.2023.102216>

[Link](#)

201 Bauwesen

Lederer, P. L., Mooslechner, X., & Schöberl, J. (2023). High-order projection-based upwind method for implicit large eddy simulation. *Journal of Computational Physics*, 493, Article 112492. <https://doi.org/10.1016/j.jcp.2023.112492>

[Link](#)

101 Mathematik

Achleitner, F., Arnold, A., & Carlen, E. (2023). The hypocoercivity index for the short time behavior of linear time-invariant ODE systems. *Journal of Differential Equations*, 371, 83–115. <https://doi.org/10.1016/j.jde.2023.06.027>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Achleitner, F., Arnold, A., & Mehrmann, V. (2023). Hypocoercivity and hypocontractivity concepts for linear dynamical systems. *ELECTRONIC JOURNAL OF LINEAR ALGEBRA*, 39, 33–61. <https://doi.org/10.13001/ela.2023.7531>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zigart, T., Zafari, S., Stürzl, F., Kiesewetter, R., Kasparick, H.-P., & Schlund, S. (2023). Multi-assistance systems in manufacturing - a user study evaluating multi-criteria impact in a high-mix low-volume assembly setting. *Computers and Industrial Engineering*, 186, Article 109674. <https://doi.org/10.1016/j.cie.2023.109674>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Bonanno, E., Blöschl, G., & Klaus, J. (2023). Discharge, groundwater gradients, and streambed micro-topography control the temporal dynamics of transient storage in a headwater reach. *Water Resources Research*, 59(7), Article e2022WR034053. <https://doi.org/10.1029/2022WR034053>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Tupas, M. E., Roth, F., Bauer-Marschallinger, B., & Wagner, W. (2023). Improving sentinel-1 flood maps using a topographic index as prior in Bayesian inference. *Water*, 15(23), Article 4034. <https://doi.org/10.3390/w15234034>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Guerrero-Hurtado, M., Garcia-Villalba, M., Gonzalo, A., Martinez-Legazpi, P., Kahn, A. M., McVeigh, E., Bermejo, J., Del Alamo, J. C., & Flores, O. (2023). Efficient multi-fidelity computation of blood coagulation under flow. *PLoS Computational Biology*, 19(10), Article 1011583. <https://doi.org/10.1371/journal.pcbi.1011583>

[Link](#)

101 Mathematik

203 Maschinenbau

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Schwaighofer, M., Königsberger, M., Zelaya-Lainez, L., Lukacevic, M., Serna-Loaiza, S., Harasek, M., Zikeli, F., Friedl, A., & Füssl, J. (2024). The viscoelastic behavior of lignin: quantification through nanoindentation relaxation testing on hot-pressed technical lignin samples from various origins. *Mechanics of Materials*, 188, Article 104864. <https://doi.org/10.1016/j.mechmat.2023.104864>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Snizhko, S., Bertola, M., Ovcharuk, V., Shevchenko, O., Didovets, I., & Blöschl, G. (2023). Climate impact on flood changes – an Austrian-Ukrainian comparison. *JOURNAL OF HYDROLOGY AND HYDROMECHANICS*, 71(3), 271–282. <https://doi.org/10.2478/johh-2023-0017>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Tarasova, L., Lun, D., Merz, R., Blöschl, G., Basso, S., Bertola, M., Miniussi, A., Rakovec, O., Samaniego, L., Thober, S., & Kumar, R. (2023). Shifts in flood generation processes exacerbate regional flood anomalies in Europe. *Communications Earth & Environment*, 4(1), Article 49. <https://doi.org/10.1038/s43247-023-00714-8>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wallinger, M., Archambault, D., Auber, D., Nöllenburg, M., & Peltonen, J. (2023). Faster edge-path bundling through graph spanners. *Computer Graphics Forum*, 42(6), Article e14789. <https://doi.org/10.1111/cgf.14789>

[Link](#)

101 Mathematik

102 Informatik

Angelini, P., Bekos, M. A., Förster, H., & Gronemann, M. (2023). Bitonic st-orderings for upward planar graphs: splits and bends in the variable embedding scenario. *Algorithmica*, 85, 2667–2692. <https://doi.org/10.1007/s00453-023-01111-5>

[Link](#)

101 Mathematik

102 Informatik

Pozas-Kerstjens, A., Girardin, A., Krivachy, T. M., Tavakoli, A., & Gisin, N. (2023). Post-quantum nonlocality in the minimal triangle scenario. *New Journal of Physics*, 25(11), Article 113037. <https://doi.org/10.1088/1367-2630/ad0a16>

[Link](#)

103 Physik, Astronomie

Chiari, M., Mandrioli, D., Pontiggia, F., & Pradella, M. (2023). A model checker for operator precedence languages. *ACM Transactions on Programming Languages and Systems*, 45(3), 1–66. <https://doi.org/10.1145/3608443>

[Link](#)

101 Mathematik

102 Informatik

Dohnalik, P., Hellmich, C., Richard, G., & Pichler, B. (2023). Strength of a cement-based dental material:

Early age testing and first micromechanical modeling at mature age. *Frontiers in Bioengineering and Biotechnology*, 11, Article 1047470. <https://doi.org/10.3389/fbioe.2023.1047470>

[Link](#)

201 Bauwesen

206 Medizintechnik

Brandstätter, F., Kalbe, K., Autengruber, M., Lukacevic, M., Kalamees, T., Ruus, A., Annuk, A., & Füssl, J. (2023). Numerical simulation of CLT moisture uptake and dry-out following water infiltration through end-grain surfaces. *Journal of Building Engineering*, 80, Article 108097. <https://doi.org/10.1016/j.jobe.2023.108097>

[Link](#)

201 Bauwesen

Randrianomentsoa, R. F., van Ditmarsch, H., & Kuznets, R. (2023). Impure simplicial complexes: complete axiomatization. *Logical Methods in Computer Science*, 19(4), Article 3. [https://doi.org/10.46298/lmcs-19\(4:3\)2023](https://doi.org/10.46298/lmcs-19(4:3)2023)

[Link](#)

102 Informatik

Cignarale, G., Schmid, U., Tahko, T., & Kuznets, R. (2023). The Role of A Priori Belief in the Design and Analysis of Fault-Tolerant Distributed Systems. *Minds and Machines*, 33(2), 293–319. <https://doi.org/10.1007/s11023-023-09631-3>

[Link](#)

102 Informatik

Irlacher, M., Pennerstorfer, D., Renner, A.-T., & Unger, F. (2023). Modeling interregional patient mobility: theory and evidence from spatially explicit data. *International Economic Review*, 64(4), 1493–1532. <https://doi.org/10.1111/iere.12635>

[Link](#)

502 Wirtschaftswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Lawhon, M., Follmann, A., Braun, B., Cornea, N., Greiner, C., Guma, P., Karpouzoglou, T., Diez, J. R., Schindler, S., Schramm, S., Sielker, F., Tups, G., Vij, S., & Dannenberg, P. (2023). Making heterogeneous infrastructure futures in and beyond the global south. *Futures*, 154, Article 103270. <https://doi.org/10.1016/j.futures.2023.103270>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Huber, T., Burger, J., Mata-Falcón, J., & Kaufmann, W. (2023). Structural design and testing of material optimized ribbed RC slabs with 3D printed formwork. *Structural Concrete*, 24(2), 1932–1955. <https://doi.org/10.1002/suco.202200633>

[Link](#)

201 Bauwesen

Ellmeyer, S., & Hofstätter, G. (2023). Complex $L^?$ -intersection bodies. *Advances in Mathematics*, 431, Article 109247. <https://doi.org/10.1016/j.aim.2023.109247>

[Link](#)

101 Mathematik

Fuger, C., Hahn, R., Hirle, A. V., Wojcik, T., Kutrowatz, P., Bohrn, F., Hunold, O., Polcik, P., & Riedl-Tragenreif, H. (2023). Tissue phase affected fracture toughness of nano-columnar TiB₂/z thin films. *Materials Research Letters*, 11(8), 613–622. <https://doi.org/10.34726/5316>

[Link](#)

203 Maschinenbau
205 Werkstofftechnik
210 Nanotechnologie

Seifert, B., Baudis, S., & Wischke, C. (2023). Composition-dependent protein-material interaction of poly(methyl methacrylate-co-styrene) nanoparticle series. *International Journal of Molecular Sciences*, 24(22), Article 16390. <https://doi.org/10.3390/ijms242216390>

[Link](#)

104 Chemie
204 Chemische Verfahrenstechnik
301 Medizinisch-theoretische Wissenschaften, Pharmazie

Balden, M., Schlueter, K., Dhard, D., Bauer, P., Nilsson, R., Granberg, F., Nordlund, K., & Hobler, G. (2023). Crystal-orientation-dependent physical sputtering from four elemental metals. *Nuclear Materials and Energy*, 37, Article 101559. <https://doi.org/10.1016/j.nme.2023.101559>

[Link](#)

103 Physik, Astronomie
202 Elektrotechnik, Elektronik, Informationstechnik

Dunmore, C. J., Bachmann, S., Synek, A., Pahr, D., Skinner, M., & Kivell, T. L. (2023). The deep trabecular structure of first metacarpals in extant hominids. *AMERICAN JOURNAL OF BIOLOGICAL ANTHROPOLOGY*. <https://doi.org/10.1002/ajpa.24695>

[Link](#)

211 Andere Technische Wissenschaften
301 Medizinisch-theoretische Wissenschaften, Pharmazie

Rytelewska, B., Chmielnicka, A., Chouki, T., Skunik-Nuckowska, M., Naghdi, S., Eder, D., Michalowski, A. M., Ratajczyk, T., Pavlica, E., Emin, S., Fu, Y., Rutkowska, I., & Kulesza, P. J. (2023). Efficient electrochemical nitrogen fixation at iron phosphide (Fe₂P) catalyst in alkaline medium. *Electrochimica Acta*, 471, Article 143360. <https://doi.org/10.1016/j.electacta.2023.143360>

[Link](#)

104 Chemie

Xiao, Y., Guo, S., Xiang, Y., Li, D., Zheng, C., Ouyang, Y., Cherevan, A., Gan, L., Eder, D., Zhang, Q., & Huang, S. (2023). Engineering Configuration Compatibility and Electronic Structure in Axially Assembled Metal–Organic Framework Nanowires for High-Performance Lithium Sulfur Batteries. *ACS Energy Letters*, 5107–5115. <https://doi.org/10.1021/acsenergylett.3c01698>

[Link](#)

104 Chemie

Batool, S., Langer, M., Nagaraju Myakala, S., Heiland, M., Eder, D., Streb, C., & Cherevan, A. (2023). Thiomolybdate Clusters: from Homogeneous Catalysis to Heterogenization and Active Sites. *Advanced Materials*, Article 2305730. <https://doi.org/10.1002/adma.202305730>

[Link](#)

104 Chemie

Richter, S., Glechner, T., Wojcik, T., Widrig, B., Kolozsvári, S., Polcik, P., Hunold, O., Zauner, L., Ramm, J., & Riedl-Tragenreif, H. (2024). Reactively grown Al/Si-based top coatings protecting TM-diborides (TM = W, Ti, Hf) against high-temperature oxidation. *Surface and Coatings Technology*, 476, Article 130191. <https://doi.org/10.1016/j.surfcoat.2023.130191>

[Link](#)

203 Maschinenbau
205 Werkstofftechnik
210 Nanotechnologie

Grevenbrock, N., Ludwig, A., & Siassi, N. (2023). Homeownership rates, housing policies, and co-residence decisions. *Macroeconomic Dynamics*. <https://doi.org/10.1017/S136510052300038X>

[Link](#)

101 Mathematik

502 Wirtschaftswissenschaften

Ortigueira, S., & Siassi, N. (2023). On the optimal reform of income support for single parents. *Journal of Public Economics*, 225, Article 104962. <https://doi.org/10.1016/j.jpubeco.2023.104962>

[Link](#)

101 Mathematik

502 Wirtschaftswissenschaften

Altarrazi, S., Szydlo, T., Dustdar, S., Srirama, S. N., & Ranjan, R. (2023). Addressing the Faults Landscape in the Internet of Things: Toward Datacentric and System Resilience. *IEEE Internet Computing*, 27(6), 43–51. <https://doi.org/10.1109/MIC.2023.3300508>

[Link](#)

102 Informatik

Binucci, C., Di Giacomo, E., Lenhart, W., Liotta, G., Montecchiani, F., Nöllenburg, M., & Symvonis, A. (2024). On the complexity of the storyplan problem. *Journal of Computer and System Sciences*, 139, Article 103466. <https://doi.org/10.1016/j.jcss.2023.103466>

[Link](#)

101 Mathematik

102 Informatik

Ahmed, R., Angelini, P., Bekos, M. A., Battista, G. D., Kaufmann, M., Kindermann, P., Kobourov, S., Nöllenburg, M., Symvonis, A., Villedieu, A., & Wallinger, M. (2023). Splitting Vertices in 2-Layer Graph Drawings. *IEEE Computer Graphics and Applications*, 43(3), 24–35. <https://doi.org/10.1109/MCG.2023.3264244>

[Link](#)

101 Mathematik

102 Informatik

Faustmann, M., Marcati, C., Melenk, J. M., & Schwab, C. (2023). Exponential Convergence of hp-FEM for the Integral Fractional Laplacian in Polygons. *SIAM Journal on Numerical Analysis*, 61(6), 2601–2622. <https://doi.org/10.1137/22M152493X>

[Link](#)

101 Mathematik

Garcia-Barrientos, A., Nikolova, N., Filipovic, L., Gutierrez-D., E. A., Serrano, V., Macias-Velasquez, S., & Zarate-Galvez, S. (2023). Numerical simulations of space charge waves amplification using negative differential conductance in strained Si/SiGe at 4.2 K. *Crystals*, 13(9), Article 1398. <https://doi.org/10.3390/cryst13091398>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Souza Berti Rodrigues, F., Aginsky, L. F., Lenz, C., Hössinger, A., & Weinbub, J. (2023). 3D modeling of feature-scale fluorocarbon plasma etching in silica. *Journal of Computational Electronics*, 22(5), 1558–1563. <https://doi.org/10.1007/s10825-023-02068-y>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Fichte, J. K., Le Berre, D., Hecher, M., & Szeider, S. (2023). The silent (r)evolution of SAT. *Communications of the ACM*, 66(6), 64–72. <https://doi.org/10.1145/3560469>

[Link](#)

101 Mathematik

102 Informatik

Ashour, T., Korjenic, A., Abdelfattah, A., Sesto, E., & Wu, W. (2023). Shrinkage behavior of stabilized earth bricks reinforced with wheat and barley straw. *Sustainability*, 15(23), Article 16254. <https://doi.org/10.3390/su152316254>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Besau, F., & Hoehner, S. (2023). An intrinsic volume metric for the class of convex bodies in \mathbb{R}^n . *Communications in Contemporary Mathematics*, Article 2350006. <https://doi.org/10.1142/S0219199723500062>

[Link](#)

101 Mathematik

Besau, F., Gusakova, A., Reitzner, M., Schütt, C., Thäle, C., & Werner, E. M. (2023). Spherical convex hull of random points on a wedge. *Mathematische Annalen*. <https://doi.org/10.1007/s00208-023-02704-9>

[Link](#)

101 Mathematik

Mesanan, G., Schuller, R., Engelsberger, J., Ott, C., & Albu-Schäffer, A. (2023). Unified Motion Planner for Walking, Running, and Jumping Using the Three-Dimensional Divergent Component of Motion. *IEEE Transactions on Robotics*, 1–21. <https://doi.org/10.1109/TRO.2023.3321396>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Geurs, K., Grigolon, A., Münzel, K., Gkiotsalitis, K., Duran-Rodas, D., Buettner, B., Kirchberger, C., Pappers, J., Martinez Ramirez, L., Graf, A., Hansel, J., Gkrava, R., & Klementschtz, R. (2023). The Smarthubs integration ladder: a conceptual model for the categorisation of shared mobility hubs. *Transport Reviews*, 1–28. <https://doi.org/10.1080/01441647.2023.2239499>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Bachofner, W., Suza, D., Müller, H. S., & Kollegger, J. (2023). Long-term shrinkage measurements on large-scale specimens exposed to real environmental conditions. *Materials*, 16(23), Article 7305. <https://doi.org/10.3390/ma16237305>

[Link](#)

201 Bauwesen

Franceschi, G., Heller, R., Schmid, M., Diebold, U., & Riva, M. (2023). Evolution of the surface atomic structure of multielement oxide films: curse or blessing? *Nanoscale Advances*, 5(24), 7009–7017. <https://doi.org/10.1039/D3NA00847A>

[Link](#)

103 Physik, Astronomie

Stöger-Pollach, M., Bukvišova, K., Zenz, K., Stöger, L., & Scales, Z. (2023). Important aspects of investigating optical excitations in semiconductors using a scanning transmission electron microscope. *Journal of Microscopy*, 1–8. <https://doi.org/10.1111/jmi.13242>

[Link](#)

103 Physik, Astronomie

202 Elektrotechnik, Elektronik, Informationstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Drastichová, M., Filzmoser, P., & Gajanin, R. (2023). Relationships between wellbeing and sustainable development in a group of selected developed countries. *Problemy Ekorożwoju*, 18(2), 49–77. <https://doi.org/10.35784/preko.3941>

[Link](#)

101 Mathematik

Somchuea, P., Sukprom, T., Sringam, S., Ampansang, S., Witoon, T., Chareonpanich, M., Faungnawakij, K., Rupprechter, G., & Seubsai, A. (2023). Conversion of Methane to Value-Added Hydrocarbons via Modified Fischer–Tropsch Process Using Hybrid Catalysts. *Topics in Catalysis*, 66(19–20), 1553–1568. <https://doi.org/10.1007/s11244-023-01808-5>

[Link](#)

104 Chemie

Phichairatanaphong, O., Yigit, N., Rupprechter, G., Chareonpanich, M., & Donphai, W. (2023). Highly efficient conversion of greenhouse gases using a quadruple mixed oxide-supported nickel catalyst in reforming process. *Industrial & Engineering Chemistry Research*, 62(40), 16254–16267. <https://doi.org/10.1021/acs.iecr.3c02030>

[Link](#)

104 Chemie

Wang, X. S., Savo, R., Maeder, A., Kaufmann, F., Kellner, J., Morandi, A., Rotter, S., Sapienza, R., & Grange, R. (2023). Graph model for multiple scattering in lithium niobate on insulator integrated photonic networks. *Optics Express*, 31(25), 42255–42270. <https://doi.org/10.1364/OE.492431>

[Link](#)

103 Physik, Astronomie

Kowarsch, F., Maurer-Granofszky, M., Weijler, L., Wödlinger, M., Reiter, M., Schumich, A., Feuerstein, T., Sala, S., Nováková, M., Faggini, G., Gaipa, G., Hrusak, O., Buldini, B., & Dworzak, M. (2023). FCM marker importance for MRD assessment in T-cell acute lymphoblastic leukemia: An AIEOP-BFM-ALL-FLOW study group report. *Cytometry Part A*. <https://doi.org/10.1002/cyto.a.24805>

[Link](#)

101 Mathematik

102 Informatik

Henney-Turner, C., Holy, P., Schlicht, P., & Welch, P. (2023). ASYMMETRIC CUT AND CHOOSE GAMES. *Bulletin of Symbolic Logic*. <https://doi.org/10.1017/bsl.2023.31>

[Link](#)

101 Mathematik

Wolfsgruber, M., Patil, P., Pichler, C., Bischof, R. H., Budnyk, S., Paulik, C., Rodrigues, B. V. M., & Slabon, A. (2023). Potential dependence of gluconic acid to glucose electroreduction on silver. *Catalysis Science & Technology*, 13(20), 5998–6005. <https://doi.org/10.1039/D3CY00897E>

[Link](#)

103 Physik, Astronomie

Ehlen, N., Falke, Y., Senkovskiy, B., Knispel, T., Fischer, J., Gallego, O. N., Tresca, C., Buchta, M., Shchukin, K., D'Elia, A., Di Santo, G., Petaccia, L., Smirnov, D. A., Makarova, A., Profeta, G., Michely, T., & Grüneis, A. (2023). Orbital-selective chemical functionalization of MoS₂ by Fe. *Physical Review B*, 108(19), Article 195430. <https://doi.org/10.1103/PhysRevB.108.195430>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Khestanova, E., Ivanova, T., Gillen, R., D'Elia, A., Gallego Lacey, O. N., Wysocki, L., Grüneis, A., ??????, ?, Strupinski, W., Maultzsch, J., Kandyba, V., Cattelan, M., Barinov, A., Avila, J., Dudin, P., &

Senkovskiy, B. V. (2023). Robustness of momentum-indirect interlayer excitons in MoS₂/WSe₂ heterostructure against charge carrier doping. *ACS Photonics*, 10(4), 1159–1168. <https://doi.org/10.1021/acsp Photonics.2c01930>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Feng, B., Ibesich, M., Hainz, D., Waidhofer, D., Veit-Öller, M., Trunner, C., Stummer, T., Foster, M., Nemetz, M., Welch, J. M., Villa, M., Sterba, J., Musilek, A., Renz, F., & Steinhauser, G. (2023). Development of a novel passive monitoring technique to showcase the 3D distribution of tritiated water (HTO) vapor in indoor air of a nuclear facility. *Environmental Science and Technology*, 57(48), 20024–20033. <https://doi.org/10.1021/acs.est.3c05783>

[Link](#)

103 Physik, Astronomie

104 Chemie

Stäger, F., Zok, D., Schiller, A.-K., Feng, B., & Steinhauser, G. (2023). Disproportionately high contributions of 60 Year old weapons-137Cs explain the persistence of radioactive contamination in Bavarian wild boars. *Environmental Science and Technology*, 57(36), 13601–13611. <https://doi.org/10.1021/acs.est.3c03565>

[Link](#)

104 Chemie

106 Biologie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kurnaz, F. S., & Filzmoser, P. (2023). Robust and sparse multinomial regression in high dimensions. *Data Mining and Knowledge Discovery*, 37(4), 1609–1629. <https://doi.org/10.1007/s10618-023-00936-6>

[Link](#)

101 Mathematik

Chen, L., Lowder, D. T., Bakali, E., Andrews, A. M., Schrenk, W., Waas, M., Svagera, R., Eguchi, G., Prochaska, L., Wang, Y., Setty, C., Shouvik Sur, Si, Q., Paschen, S., & Natelson, D. (2023). Shot noise in a strange metal. *Science*, 382(6673), 907–911. <https://doi.org/10.34726/5392>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hoelbling, D., Salmhofer, A., Gencoglu, C., Baranyi, R., Pinter, K., Özbay, S., Ulupinar, S., Ozkara, A. B., & Grechenig, T. (2023). JudgED: comparison between kickboxing referee performance at a novel serious game for judging improvement and at world championships. *Applied Sciences*, 13(17), Article 9549. <https://doi.org/10.3390/app13179549>

[Link](#)

102 Informatik

Braukhoff, M., Huber, F., & Jüngel, A. (2023). Global martingale solutions for stochastic Shigesada–Kawasaki–Teramoto population models. *Stochastics and Partial Differential Equations: Analysis and Computations*. <https://doi.org/10.1007/s40072-023-00289-7>

[Link](#)

101 Mathematik

Jourdana, C., Jüngel, A., & Zamponi, N. (2023). Three-species drift-diffusion models for memristors. *Mathematical Models and Methods in Applied Sciences*, 33(10), 2113–2156. <https://doi.org/10.1142/S0218202523500501>

[Link](#)

101 Mathematik

Chen, X., Jüngel, A., & Wang, L. (2023). The Shigesada–Kawasaki–Teramoto cross-diffusion system

beyond detailed balance. *Journal of Differential Equations*, 360, 260–286. <https://doi.org/10.1016/j.jde.2023.02.048>

[Link](#)

101 Mathematik

Eder, F., Weil, M., Pramanik, P., & Mathieu, R. (2023). The Cobalt(II) Oxidotellurate(IV) Hydroxides $\text{Co}_2(\text{TeO}_3)(\text{OH})_2$ and $\text{Co}_{15}(\text{TeO}_3)_{14}(\text{OH})_2$. *Crystals*, 13(2), Article 176. <https://doi.org/10.3390/cryst13020176>

[Link](#)

104 Chemie

Huo, X., Jüngel, A., & Tzavaras, A. E. (2023). Existence and weak–strong uniqueness for Maxwell–Stefan–Cahn–Hilliard systems. *Annales de l’Institut Henri Poincaré C*. <https://doi.org/10.4171/aihpc/89>

[Link](#)

101 Mathematik

Eder, F., Marsollier, A., & Weil, M. (2023). Structural studies on synthetic $\text{A}_2\text{[M}_2(\text{TeO}_3)_3\text{]}\cdot n\text{H}_2\text{O}$ phases ($\text{A}=\text{Na, K, Rb, Cs}$; $\text{M}=\text{Mn, Co, Ni, Cu, Zn}$) with zemannite-type structures. *Mineralogy and Petrology*, 117(2), 145–163. <https://doi.org/10.1007/s00710-023-00814-5>

[Link](#)

104 Chemie

Weil, M., Häusler, T., Bonneau, B., & Füglein, E. (2023). Structural Phase Transitions in the Double Salts $(\text{NH}_4)_2\text{PO}_3\text{F}\cdot\text{NH}_4\text{NO}_3$ and $(\text{NH}_4)_2\text{XO}_4\cdot 3\text{NH}_4\text{NO}_3$ ($\text{X} = \text{Se, Cr}$). *Inorganics*, 11(11), Article 433. <https://doi.org/10.3390/inorganics11110433>

[Link](#)

104 Chemie

Alhazov, A., Ferrari-Dominguez, V., Freund, R., Glade, N., & Ivanov, S. (2023). A P systems variant for reasoning about sequential controllability of Boolean networks. *Theoretical Computer Science*, 970, Article 114056. <https://doi.org/10.1016/j.tcs.2023.114056>

[Link](#)

102 Informatik

Carrete, J., Montes-Campos, H., Wanzenböck, R., Heid, E., & Madsen, G. K. H. (2023). Deep ensembles vs committees for uncertainty estimation in neural-network force fields: Comparison and application to active learning. *Journal of Chemical Physics*, 158(20), Article 204801. <https://doi.org/10.1063/5.0146905>

[Link](#)

104 Chemie

Nesrstová, V., Wilms, I., Palarea-Albaladejo, J., Filzmoser, P., Martín-Fernández, J. A., Friedecký, D., & Hron, K. (2023). Principal balances of compositional data for regression and classification using partial least squares. *Journal of Chemometrics*, 37(12), Article e3518. <https://doi.org/10.1002/cem.3518>

[Link](#)

101 Mathematik

Ribisch, C., Hofbauer, M., Kohneh Poushi, S. S., Zimmer, A., Schneider-Hornstein, K., Goll, B., & Zimmermann, H. (2023). Multi-channel gating chip in 0.18 μm high-voltage CMOS for quantum applications. *Sensors*, 23(24), Article 9644. <https://doi.org/10.3390/s23249644>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bahr, A. A. I., Beck, O., Glechner, T., Grimmer, A., Wojcik, T., Kutrowatz, P., Ramm, J., Hunold, O., Kolozsvári, S., Polcik, P., Ntemou, E., Primetzhofer, D., & Riedl-Tragenreif, H. (2023). Quaternary diborides—improving the oxidation resistance of $\text{TiB}_2\pm z$ coatings by disilicide alloying. *Materials*

Research Letters, 11(9), 733–741. <https://doi.org/10.1080/21663831.2023.2225554>

[Link](#)

205 Werkstofftechnik

210 Nanotechnologie

Gavioli, C., & Krejci, P. (2023). Degenerate diffusion with Preisach hysteresis. *Discrete and Continuous Dynamical Systems - Series S*, 16(12), 3677–3708. <https://doi.org/10.3934/dcdss.2023154>

[Link](#)

101 Mathematik

Rieser, C., Facevicová, K., & Filzmoser, P. (2023). Cell-wise robust covariance estimation for compositions, with application to geochemical data. *Journal of Geochemical Exploration*, 253, Article 107299. <https://doi.org/10.1016/j.gexplo.2023.107299>

[Link](#)

101 Mathematik

Gegenbauer, C., Bellaire, A., Schintlmeister, A., Schmid, M. C., Kubicek, M., Voglmayr, H., Zotz, G., Richter, A., & Mayer, V. E. (2023). Exo- and endophytic fungi enable rapid transfer of nutrients from ant waste to orchid tissue. *New Phytologist*, 238(5), 2210–2223. <https://doi.org/10.1111/nph.18761>

[Link](#)

104 Chemie

Sharifi Malvajerdi, S., Aboutorabi, S., Shahnazi, A., Gholamhosseini, S., Taheri Ghahrizjani, R., Yahyaee Targhi, F., Erfanimanesh, S., Beigverdi, R., Imani, A., Sari, A. H., Sun, H., Saffarian, P., Behmadi, H., Nabid, M. R., Hosseini, A., Abrari, M., & Ghanaatshoar, M. (2023). HVHC-ESD-Induced Oxygen Vacancies: An Insight into the Phenomena of Interfacial Interactions of Nanostructure Oxygen Vacancy Sites with Oxygen Ion-Containing Organic Compounds. *ACS Applied Materials and Interfaces*, 15(41), 47855–48799. <https://doi.org/10.1021/acsami.3c10017>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Csima, B. F., & Rossegger, D. (2023). Degrees of categoricity and treeable degrees. *Journal of Mathematical Logic*. <https://doi.org/10.1142/S0219061324500028>

[Link](#)

101 Mathematik

Montalbán, A., & Rossegger, D. (2023). The structural complexity of models of arithmetic. *Journal of Symbolic Logic*. <https://doi.org/10.1017/jsl.2023.43>

[Link](#)

101 Mathematik

Gamba, O., Eder, M. M. J., Poglitsch, M., Pavelec, J., Sombut, P., Meier, M., Diebold, U., Schmid, M., & Parkinson, G. (2023). Formation and stability of Fe-rich terminations of the Fe₃O₄(001) surface. *Materials Research Express*, 10(11), Article 116517. <https://doi.org/10.1088/2053-1591/ad0ac5>

[Link](#)

103 Physik, Astronomie

Lammers, P., & Toninelli, F. (2024). Height function localisation on trees. *Combinatorics, Probability and Computing*, 33(1), 50–64. <https://doi.org/10.1017/S0963548323000329>

[Link](#)

101 Mathematik

Bisi, E., Liao, Y., Saenz, A., & Zygouras, N. (2023). Non-intersecting Path Constructions for TASEP with Inhomogeneous Rates and the KPZ Fixed Point. *Communications in Mathematical Physics*, 402, 285–333. <https://doi.org/10.1007/s00220-023-04723-8>

[Link](#)

101 Mathematik

Tutkun, B., Barlay, E. S., Yalçinkaya, Ç., & Yazici, H. (2023). Effect of internal curing on shrinkage and cracking potential under autogenous and drying conditions. *Construction and Building Materials*, 409, Article 134078. <https://doi.org/10.1016/j.conbuildmat.2023.134078>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Arista, J., Bisi, E., & O'Connell, N. (2023). Matrix Whittaker processes. *Probability Theory and Related Fields*, 187(1–2), 203–257. <https://doi.org/10.1007/s00440-023-01210-y>

[Link](#)

101 Mathematik

Zhang, J.-L., Yuan, Y., Liu, X., Mang, H., & Pichler, B. L. A. (2023). Quantification of the safety against groundwater ingress through longitudinal joints of segmental tunnel linings by means of convergences. *Tunnelling and Underground Space Technology*, 136, Article 105102. <https://doi.org/10.1016/j.tust.2023.105102>

[Link](#)

201 Bauwesen

Geroski, T., Gkaintes, O., Vulovic, A., Ukaj, N., Barrasa-Fano, J., Perez-Boerema, F., Milicevic, B., Atanasijevic, A., Živkovic, J., Živic, A., Roumpi, M., Exarchos, T., Hellmich, C., Scheiner, S., Van Oosterwyck, H., Jakovljevic, D., Ivanovic, M., & Filipovic, N. (2024). SGABU computational platform for multiscale modeling: Bridging the gap between education and research. *Computer Methods and Programs in Biomedicine*, 243, Article 107935. <https://doi.org/10.1016/j.cmpb.2023.107935>

[Link](#)

102 Informatik

206 Medizintechnik

Kilian, M., Ramos Cisneros, A. S., Müller, C., & Pottmann, H. (2023). Meshes with spherical faces. *ACM Transactions on Graphics*, 42(6), 1–19. <https://doi.org/10.1145/3618345>

[Link](#)

101 Mathematik

102 Informatik

Ni, Z., Valls Mascaro, E., Ahn, H., & Lee, D. (2023). Human–object interaction prediction in videos through gaze following. *Computer Vision and Image Understanding*, 233, Article 103741. <https://doi.org/10.1016/j.cviu.2023.103741>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ul Haq, Z., Sood, H., Kumar, R., & Merta, I. (2024). Taguchi-Optimized Triple-Aluminosilicate Geopolymer Bricks with Recycled Sand: A Sustainable Construction Solution. *Case Studies in Construction Materials*, 20, Article e02780. <https://doi.org/10.1016/j.cscm.2023.e02780>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schuster, R., Keplinger, A., Jacob, A., Kreyca, J., Solyom, L., Maawad, E., & Povoden-Karadeniz, E. (2023). In-situ XRD investigation of s phase precipitation kinetics during isothermal holding in a hyper duplex stainless steel. *Materials Characterization*, 203, Article 113124. <https://doi.org/10.1016/j.matchar.>

2023.113124

[Link](#)

205 Werkstofftechnik

Liu, D., Pellis, D., Chiang, Y.-C., Rist, F., Wallner, J., & Pottmann, H. (2023). Deployable strip structures. *ACM Transactions on Graphics*, 42(4), 1–16. <https://doi.org/10.1145/3592393>

[Link](#)

101 Mathematik

102 Informatik

Ajeesh, M. O., Kushwaha, S. K., Thomas, S. M., Thompson, J. D., Chan, M. K., Harrison, N., Tomczak, J. M., & Rosa, P. F. S. (2023). Localized f-electron magnetism in the semimetal Ce₃Bi₄Au₃. *Physical Review B*, 108(24), Article 245125. <https://doi.org/10.1103/PhysRevB.108.245125>

[Link](#)

103 Physik, Astronomie

Fauth, J., Bloch, T., & Soibelman, L. (2023). Process model for international building permit benchmarking and a validation example using the Israeli building permit process. *Engineering, Construction and Architectural Management*. <https://doi.org/10.1108/ECAM-06-2023-0593>

[Link](#)

201 Bauwesen

Ganian, R., Hamm, T., Knop, D., Schierreich, Š., & Suchý, O. (2023). Hedonic diversity games: A complexity picture with more than two colors. *Artificial Intelligence*, 325, Article 104017. <https://doi.org/10.1016/j.artint.2023.104017>

[Link](#)

101 Mathematik

102 Informatik

Yang, J., Yang, K., Xiao, Z., Jiang, H., Xu, S., & Dustdar, S. (2023). Improving Commute Experience for Private Car Users via Blockchain-Enabled Multitask Learning. *IEEE Internet of Things Journal*, 10(24), 21656–21669. <https://doi.org/10.1109/JIOT.2023.3317639>

[Link](#)

102 Informatik

Olszewski, M. A., Parent, X., & van der Torre, L. (2023). Permissive and regulative norms in deontic logic. *Journal of Logic and Computation*. <https://doi.org/10.1093/logcom/exad024>

[Link](#)

102 Informatik

Yakymovych, A., & Shtablavyi, I. (2023). Effect of Nanosized Ni Reinforcements on the Structure of the Sn-3.0Ag-0.5Cu Alloy in Liquid and After-Reflow Solid States. *Metals*, 13(6), Article 1093. <https://doi.org/10.3390/met13061093>

[Link](#)

104 Chemie

Wodak, I., Yakymovych, A., Svec, P., Orovcik, L., & Khatibi, G. (2023). Hybrid solder joints: the effect of nanosized ZrO₂ particles on morphology of as-reflowed and thermally aged Sn-3.5Ag solder joints. *Applied Nanoscience*, 13(11), 7379–7385. <https://doi.org/10.1007/s13204-023-02912-4>

[Link](#)

104 Chemie

Kaikhosravi, M., Hadadzadeh, H., Farrokhpour, H., Salimi, A., Mohtasham, H., Foelske, A., & Sauer, M. (2023). A combined experimental and theoretical study of RuO₂/TiO₂ heterostructures as a photoelectrocatalyst for hydrogen evolution. *Dalton Transactions*, 52(11), 3472–3481. <https://doi.org/>

10.1039/d2dt04123e

[Link](#)

103 Physik, Astronomie

104 Chemie

Konieczny, J., & Müllner, C. (2023). Bracket words along Hardy field sequences. *Ergodic Theory and Dynamical Systems*, 1–28. <https://doi.org/10.1017/etds.2023.112>

[Link](#)

101 Mathematik

Asur Vijaya Kumar, P. K., Dean, A., Reinoso, J., Pettermann, H., & Paggi, M. (2023). A phase-field fracture model for fatigue using locking-free solid shell finite elements: Analysis for homogeneous materials and layered composites. *Theoretical and Applied Fracture Mechanics*, 127, Article 104029. <https://doi.org/10.1016/j.tafmec.2023.104029>

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

305 Andere Humanmedizin, Gesundheitswissenschaften

Asur Vijaya Kumar, P. K., Li, P., Reinoso, J., He, Q.-C., Yvonnet, J., & Paggi, M. (2023). SIMP Phase-field topology optimisation framework to maximize fracture resistance in FGMs. *Composite Structures*, 329, Article 117750. <https://doi.org/10.1016/j.compstruct.2023.117750>

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

305 Andere Humanmedizin, Gesundheitswissenschaften

Fuchs, D., Izmetiev, I., Raffaelli, M., Szewieczek, G., & Tabachnikov, S. (2023). Differential Geometry of Space Curves: Forgotten Chapters. *Mathematical Intelligencer*. <https://doi.org/10.1007/s00283-023-10280-8>

[Link](#)

101 Mathematik

102 Informatik

Fauth, J., Bloch, T., Noardo, F., Nisbet, N., Kaiser, S.-B., Nørkjær Gade, P., & Tekavec, J. (2024). Taxonomy for building permit system - organizing knowledge for building permit digitalization. *Advanced Engineering Informatics*, 59, Article 102312. <https://doi.org/10.1016/j.aei.2023.102312>

[Link](#)

201 Bauwesen

Reinfurt, A., Fritsche, S., Bíró, V., Márton, A., Ellena, V., Fekete, E., Sandor, E., Karaffa, L., & Steiger, M. G. (2023). Manganese(II) ions suppress the transcription of the citrate exporter encoding gene *cexA* in *Aspergillus niger*. *Frontiers in Bioengineering and Biotechnology*, 11, Article 1292337. <https://doi.org/10.3389/fbioe.2023.1292337>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Plevachuk, Y., Švec, P. S., Švec, P., Orovčík, L., Bajana, O., Yakymovych, A., & Rud, A. (2023). Metal deposited nanoparticles as “bridge materials” for lead-free solder nanocomposites. *Applied Nanoscience*, 13(12), 7387–7397. <https://doi.org/10.1007/s13204-023-02898-z>

[Link](#)

103 Physik, Astronomie

104 Chemie

Bahr, A. A. I., Glechner, T., Grimmer, A., Wojcik, T., Hahn, R., Kutrowatz, P., Podsednik, M., Limbeck, A., Heller Martina, Ramm, J., Hunold, O., Kolozsvári, S., Polcik, P., Ntemou, E., Primetzhofer, D., Felfer, P., & Riedl-Tragenreif, H. (2023). High-temperature oxidation resistance of ternary and quaternary Cr-(Mo)-Si-B₂-z coatings — Influence of Mo addition. *Surface and Coatings Technology*, 468, Article 129733. <https://doi.org/10.1016/j.surfcoat.2023.129733>

[Link](#)

205 Werkstofftechnik

210 Nanotechnologie

Hertrich-Jeromin, U., Pember, M., & Polly, D. (2023). Channel linear Weingarten surfaces in space forms. *Beitraege Zur Algebra Und Geometrie*, 64(4), 969–1009. <https://doi.org/10.1007/s13366-022-00664-w>

[Link](#)

101 Mathematik

102 Informatik

Pan, Y., Möller, G., & Soja, B. (2023). Machine learning-based multipath modeling in spatial domain applied to GNSS short baseline processing. *GPS Solutions*, 28(1), Article 9. <https://doi.org/10.1007/s10291-023-01553-y>

[Link](#)

102 Informatik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Cini, V., Ramacher, S., Slamanig, D., Striecks, C., & Tairi, E. (2024). (Inner-product) functional encryption with updatable ciphertexts. *Journal of Cryptology*, 37, Article 8. <https://doi.org/10.1007/s00145-023-09486-y>

[Link](#)

101 Mathematik

102 Informatik

Nespolo, M., & Stoeger, B. (2023). Groupoid Analysis of Pyroxenes. *Crystal Research and Technology*, Article 2300244. <https://doi.org/10.1002/crat.202300244>

[Link](#)

101 Mathematik

105 Geowissenschaften

Johnsen, T., Schattauer, C., Samaddar, S., Weston, A., Hamer, M. J., Watanabe, K., Taniguchi, T., Gorbachev, R., Libisch, F., & Morgenstern, M. (2023). Mapping quantum Hall edge states in graphene by scanning tunneling microscopy. *Physical Review B*, 107(11), Article 115426. <https://doi.org/10.1103/PhysRevB.107.115426>

[Link](#)

103 Physik, Astronomie

Quan, J., Chen, G., Linhart, L., Liu, Z., Taniguchi, T., Watanabe, K., Libisch, F., Huang, R., & Li, X. (2023). Quantifying Strain in Moiré Superlattice. *Nano Letters*, 23(24), 11510–11516. <https://doi.org/10.1021/acs.nanolett.3c03115>

[Link](#)

103 Physik, Astronomie

Riss, A., Stöger, M., Parzer, M., Garmroudi, F., Reumann, N., Hinterleitner, B., Mori, T., & Bauer, E. (2023). Criteria for Erroneous Substrate Contribution to the Thermoelectric Performance of Thin Films. *Physical Review Applied*, 19(5), Article 054024. <https://doi.org/10.1103/PhysRevApplied.19.054024>

[Link](#)

103 Physik, Astronomie

- Haeusser, S., Möller, R., Smarsly, K., Al-Hakim, Y., Kreuzinger, N., Pinnekamp, J., Pletz, M. W., Kluemper, C., & Beier, S. (2023). SARS-CoV-2 Wastewater Monitoring in Thuringia, Germany: Analytical Aspects and Normalization of Results. *Water*, 15(24), Article 4290. <https://doi.org/10.3390/w15244290>
[Link](#)
201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften
- Savchenko, M., Kozlov, D., Vasilev, N. N., Mikhailov, N. N., Dvoretzky, S. A., & Kvon, Z. D. (2023). Transport properties of a 1000?nm HgTe film: the interplay of surface and bulk carriers. *Journal of Physics: Condensed Matter*, 35(34), Article 345302. <https://doi.org/10.1088/1361-648X/acd5a2>
[Link](#)
103 Physik, Astronomie
- Aleksza, D., Spiridon, A., Tarkka, M., Hauser, M. T., Hann, S., Causon, T., Kratena, N., Stanetty, C., George, T., Russell, J., & Oburger, E. (2024). Phytosiderophore pathway response in barley exposed to iron, zinc or copper starvation. *Plant Science*, 339, Article 111919. <https://doi.org/10.1016/j.plantsci.2023.111919>
[Link](#)
104 Chemie
204 Chemische Verfahrenstechnik
301 Medizinisch-theoretische Wissenschaften, Pharmazie
- Pieringer, F., Catel, Y., Liska, R., Moszner, N., & Knaack, P. (2023). Group transfer polymerization in bulk methacrylates. *Journal of Polymer Science*, 61(22), 2922–2931. <https://doi.org/10.1002/pol.20230132>
[Link](#)
104 Chemie
- Zabel, A., Saelzer, J., Elgeti, S., Alammari, Y., Berger, S., & Biermann, D. (2023). Fundamental tribological effects in lubricated cutting processes. *CIRP Annals - Manufacturing Technology*, 72(1), 37–40. <https://doi.org/10.1016/j.cirp.2023.04.045>
[Link](#)
203 Maschinenbau
- González, F. A., Elgeti, S., & Behr, M. (2023). The surface-reconstruction virtual-region mesh update method for problems with topology changes. *International Journal for Numerical Methods in Engineering*, 124(9), 2050–2067. <https://doi.org/10.1002/nme.7200>
[Link](#)
101 Mathematik
203 Maschinenbau
- Ranieri, U., Di Cataldo, S., Rescigno, M., Monacelli, L., Gaal, R., Santoro, M., Andriambariarijaona, L., Parisiades, P., De Michele, C., & Bove, L. E. (2023). Observation of the most H₂-dense filled ice under high pressure. *Proceedings of the National Academy of Sciences of the United States of America*, 120(52), Article e2312665120. <https://doi.org/10.1073/pnas.2312665120>
[Link](#)
103 Physik, Astronomie
- Ferreira, P. P., Conway, J., Cucciari, A., Di Cataldo, S., Giannessi, F., Kogler, E., Eleno, L. T. F., Pickard, C. J., Heil, C., & Boeri, L. (2023). Search for ambient superconductivity in the Lu-N-H system. *Nature Communications*, 14(1), Article 5367. <https://doi.org/10.1038/s41467-023-41005-2>
[Link](#)
103 Physik, Astronomie
- Fanfarillo, L., Valli, A., & Capone, M. (2023). Nematic spectral signatures of the Hund's metal. *Physical Review B*, 107(8), Article L081114. <https://doi.org/10.1103/PhysRevB.107.L081114>

[Link](#)

103 Physik, Astronomie

Brož, P., Yan, X., Romaka, V., Fabrichnaya, O., Kriegel, M. J., Bursíková, V., Buršík, J., Vreštál, J., Rogl, G., Michor, H., Bauer, E., Eiberger, M., Grytsiv, A., Giester, G., & Rogl, P. F. (2024). Constitution, physical properties and thermodynamic modeling of the Hf-Mn system. *Journal of Alloys and Compounds*, 976, Article 173060. <https://doi.org/10.1016/j.jallcom.2023.173060>

[Link](#)

103 Physik, Astronomie

104 Chemie

Santos-Cottin, D., Mohelský, I., Wyzula, J., Le Mardelé, F., Kapon, I., Nasrallah, S., Barisic, N., Živkovic, I., Soh, J. R., Guo, F., Rigaux, K., Puppín, M., Dil, H., Gudac, B., Rukelj, Z., Novak, M., Kuzmenko, A. B., Homes, C. C., Dietl, T., ... Akrap, A. (2023). EuCd₂As₂: A Magnetic Semiconductor. *Physical Review Letters*, 131(18), Article 186704. <https://doi.org/10.1103/PhysRevLett.131.186704>

[Link](#)

103 Physik, Astronomie

Rincón, Á., Koch, B., Laporte, C., Canales, F., & Cruz, N. (2023). The effects of running gravitational coupling on three dimensional black holes. *The European Physical Journal C*, 83(2), Article 105. <https://doi.org/10.1140/epjc/s10052-023-11169-8>

[Link](#)

103 Physik, Astronomie

Gusev, A. N., Konnik, O., Shul'gin, V. F., Pevzner, N. S., Kiskin, M. A., & Linert, W. (2024). Lanthanum and some lanthanides 2,4-dichlorophenoxyacetates: Structure and luminescent properties. *Polyhedron*, 249, Article 116749. <https://doi.org/10.1016/j.poly.2023.116749>

[Link](#)

103 Physik, Astronomie

104 Chemie

Ilinykh, G., Fellner, J., Sliusar, N., & Korotaev, V. (2023). A life cycle assessment of drilling waste management: a case study of oil and gas condensate field in the north of western Siberia, Russia. *SUSTAINABLE ENVIRONMENT RESEARCH*, 33(1), Article 9. <https://doi.org/10.1186/s42834-023-00171-0>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ishchenko, V., Dworak, S., & Fellner, J. (2023). Hazardous household waste management in Ukraine and Austria. *Journal of Material Cycles and Waste Management*, 26, 635–641. <https://doi.org/10.1007/s10163-023-01818-1>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Le Mardelé, F., Wyzula, J., Mohelský, I., Nasrallah, S., Loh, M., Ben David, S., Toledano, O., Tolj, D., Novak, M., Eguchi, G., Paschen, S., Barisic, N., Chen, J., Kimura, A., Orlita, M., Rukelj, Z., Akrap, A., & Santos-Cottin, D. (2023). Evidence for three-dimensional Dirac conical bands in TlBiSSe by optical and magneto-optical spectroscopy. *Physical Review B*, 107(24), Article L241101. <https://doi.org/10.1103/PhysRevB.107.L241101>

[Link](#)

103 Physik, Astronomie

Riedlsperger, F., Wojcik, T., Buzolin, R., Zuderstorfer, G., Speicher, M., Sommitsch, C., & Sonderegger, B. (2023). Microstructural insights into creep of Ni-based alloy 617 at 700° C provided by electron microscopy and modelling. *Materials Characterization*, 198, Article 112720. <https://doi.org/10.1016/j.matchar.2023.112720>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Alhazov, A., Freund, R., Ivanov, S., & Verlan, S. (2023). Numerical networks of cells. *Theoretical Computer Science*, 958, Article 113873. <https://doi.org/10.1016/j.tcs.2023.113873>

[Link](#)

102 Informatik

He, X.-C., Simon, M., Iyer, S., Xie, H.-B., Rörup, B., Shen, J., Finkenzeller, H., Stolzenburg, D. M., Zhang, R., Baccarini, A., Tham, Y. J., Wang, M., Amanatidis, S., Piedehierro, A. A., Amorim, A., Baalbaki, R., Bresseur, Z., Caudillo, L., Chu, B., ... Kulmala, M. (2023). Iodine oxoacids enhance nucleation of sulfuric acid particles in the atmosphere. *Science*, 382(6676), 1308–1314. <https://doi.org/10.1126/science.adh2526>

[Link](#)

103 Physik, Astronomie

104 Chemie

105 Geowissenschaften

Xiang, Z., Zheng, Y., Zheng, Z., Deng, S., Guo, M., & Dustdar, S. (2023). Cost-Effective Traffic Scheduling and Resource Allocation for Edge Service Provisioning. *IEEE/ACM Transactions on Networking*, 31(6), 2934–2949. <https://doi.org/10.1109/TNET.2023.3265002>

[Link](#)

102 Informatik

Ruela, V., Van Beurden, P., Sinnema, S., Hofmann, R., & Birkelbach, F. (2023). A global solution approach to the energy-efficient ladle dispatching problem with refractory temperature control. *IEEE Access*, 11, 137718–137733. <https://doi.org/10.1109/ACCESS.2023.3339392>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Li, M., Shen, B., Wang, S., Dai, X., Dong, L., Füssl, J., Eberhardsteiner, J., & Atluri, S. N. (2024). An Explicit Updated Lagrangian Fragile Points Method for Dynamic Fracture Simulations. *Engineering Fracture Mechanics*, 295, Article 109809. <https://doi.org/10.1016/j.engfracmech.2023.109809>

[Link](#)

201 Bauwesen

203 Maschinenbau

Kumar, C. M. N., Akrap, A., Homes, C. C., Martino, E., Klebel-Knobloch, B., Tabis, W., Barišic, O. S., Sunko, D. K., & Barišic, N. (2023). Characterization of two electronic subsystems in cuprates through optical conductivity. *Physical Review B*, 107(14), Article 144515. <https://doi.org/10.1103/PhysRevB.107.144515>

[Link](#)

103 Physik, Astronomie

Heid, E., Probst, D., Green, W. H., & Madsen, G. K. H. (2023). EnzymeMap: curation, validation and data-driven prediction of enzymatic reactions. *Chemical Science*, 14(48), 14229–14242. <https://doi.org/10.1039/d3sc02048g>

[Link](#)

104 Chemie

Heid, E., McGill, C. J., Vermeire, F., & Green, W. H. (2023). Characterizing uncertainty in machine learning for chemistry. *Journal of Chemical Information and Modeling*, 63(13), 4012–4029. <https://doi.org/10.1021/acs.jcim.3c00373>

[Link](#)

104 Chemie

Radziwill, M., & Shubin, A. (2023). Poissonian Pair Correlation for an? mod 1. *International Mathematics Research Notices*, Article rmad289. <https://doi.org/10.1093/imrn/rnad289>

[Link](#)

101 Mathematik

Coba-Daza, S., Otaegi, I., Aramburu, N., Guerrica-Echevarria, G., Irusta, L., González, A., Neubauer, L., Ramer, G., Lendl, B., Hubner, G., Cavallo, D., Tranchida, D., & Müller, A. J. (2024). Unlocking superior properties in polypropylene/polyethylene terephthalate (PP/PET) blends using an ethylene-butylene-acrylate terpolymer reactive compatibilizer. *Polymer Testing*, 130, Article 108293. <https://doi.org/10.1016/j.polymertesting.2023.108293>

[Link](#)

104 Chemie

Wang, J., Spitaler, M., Su, Y.-S., Zoch, K. M., Krellner, C., Puphal, P., Brown, S. E., & Pustogow, A. (2023). Controlled Frustration Release on the Kagome Lattice by Uniaxial-Strain Tuning. *Physical Review Letters*, 131(25), Article 256501. <https://doi.org/10.1103/PhysRevLett.131.256501>

[Link](#)

103 Physik, Astronomie

Taupin, M., Eguchi, G., Lužnik, M., Steiger-Thirsfeld, A., Ishida, Y., Kuroda, K., Shin, S., Kimura, A., & Paschen, S. (2023). Boosting the surface conduction in a topological insulator. *Physical Review B*, 107(23), Article 235306. <https://doi.org/10.1103/PhysRevB.107.235306>

[Link](#)

103 Physik, Astronomie

Liu, C.-C., Paschen, S., & Si, Q. (2023). Quantum criticality enabled by intertwined degrees of freedom. *Proceedings of the National Academy of Sciences of the United States of America*, 120(30), Article e2300903120. <https://doi.org/10.1073/pnas.2300903120>

[Link](#)

103 Physik, Astronomie

Giamagas, G., Zonta, F., Roccon, A., & Soldati, A. (2023). Propagation of capillary waves in two-layer oil–water turbulent flow. *Journal of Fluid Mechanics*, 960, Article A5. <https://doi.org/10.1017/jfm.2023.189>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Giamagas, G., Zonta, F., Roccon, A., & Soldati, A. (2024). Turbulence and Interface Waves in Stratified Oil–Water Channel Flow at Large Viscosity Ratio. *Flow, Turbulence and Combustion*, 112, 15–31. <https://doi.org/10.1007/s10494-023-00478-3>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Kagerer, S., Hudak, O. E., Wojcik, T., Hahn, R., Davydok, A., Schloffer, M., Riedl-Tragenreif, H., &

Mayrhofer, P. H. (2023). Oxidation protection of TNM alloys with Al-rich γ -TiAl-based coatings. *Journal of Alloys and Compounds*, 969, Article 172343. <https://doi.org/10.1016/j.jallcom.2023.172343>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Hahn, R., Tymoszuk, A. A., Wojcik, T., Ntemou, E., Hunold, O., Polcik, P., Koložsvári, S., Primetzhofer, D., Mayrhofer, P. H., & Riedl, H. (2023). Unraveling the superlattice effect for hexagonal transition metal diboride coatings. *Scripta Materialia*, 235, Article 115599. <https://doi.org/10.1016/j.scriptamat.2023.115599>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Elliott, L., Jonušas, J., Mitchell, J. D., Péresse, Y., & Pinsker, M. (2023). Polish topologies on endomorphism monoids of relational structures. *Advances in Mathematics*, 431, Article 109214. <https://doi.org/10.1016/j.aim.2023.109214>

[Link](#)

101 Mathematik

Klebel-Knobloch, B., Tabis, W., Gala, M. A., Barisic, O. S., Sunko, D. K., & Barisic, N. (2023). Transport properties and doping evolution of the Fermi surface in cuprates. *Scientific Reports*, 13(1), Article 13562. <https://doi.org/10.1038/s41598-023-39813-z>

[Link](#)

103 Physik, Astronomie

Mandujano, H. C., Metta, A., Barišic, N., Zhang, Q., Tabis, W., Muniraju, N. K. C., & Nair, H. S. (2023). Sawtooth lattice multiferroic BeCr₂O₄: Noncollinear magnetic structure and multiple magnetic transitions. *Physical Review Materials*, 7(2), Article 024422. <https://doi.org/10.1103/PhysRevMaterials.7.024422>

[Link](#)

103 Physik, Astronomie

Rukelj, Z., Radic, D., Krsnik, J., Barisic, O. S., Mishchenko, A. S., & Kupcic, I. (2023). Dynamical conductivity of a two-dimensional weakly doped Holstein system. *Physical Review B*, 108(15), Article 155151. <https://doi.org/10.1103/PhysRevB.108.155151>

[Link](#)

103 Physik, Astronomie

Cogo, M., Baù, U., Chinappi, M., Bernardini, M., & Picano, F. (2023). Assessment of heat transfer and Mach number effects on high-speed turbulent boundary layers. *Journal of Fluid Mechanics*, 974, Article A10. <https://doi.org/10.1017/jfm.2023.791>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Durmus, A., Eberle, A., GUILLIN, A., & Schuh, K. (2023). Sticky nonlinear SDEs and convergence of McKean–Vlasov equations without confinement. *Stochastics and Partial Differential Equations: Analysis and Computations*. <https://doi.org/10.1007/s40072-023-00315-8>

[Link](#)

101 Mathematik

Muravev, V. M., Shchepetilnikov, A. V., Dzhikirba, K. R., Kukushkin, I. V., Schott, R., Cheah, E., Wegscheider, W., & Shuvaev, A. (2023). Interferometric Method for Direct Measurement of the Effective

Mass in Two-Dimensional Systems. *Physical Review Applied*, 19(2), Article 024039. <https://doi.org/10.1103/PhysRevApplied.19.024039>

[Link](#)

103 Physik, Astronomie

Dzhikirba, K. R., Shuvaev, A., Khudaiberdiev, D., Kukushkin, I. V., & Muravev, V. M. (2023). Demonstration of the plasmonic THz phase shifter at room temperature. *Applied Physics Letters*, 123(5), Article 052104. <https://doi.org/10.1063/5.0160612>

[Link](#)

103 Physik, Astronomie

Lashani Zand, A., Niksirat, A., Sanaee, Z., & Pourfath, M. (2023). Comprehensive study of lithium diffusion in Si/C-layer and Si/C₃N₄ composites in a faceted crystalline silicon anode for fast-charging lithium-ion batteries. *ACS Omega*, 8(47), 44698–44707. <https://doi.org/10.1021/acsomega.3c05523>

[Link](#)

103 Physik, Astronomie

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

Akhound, M. A., Soleimani, M., & Pourfath, M. (2023). Controllable Gas Adsorption via Inter-Coupled Ferroelectricity in In₂Se₃ Monolayer. *Materials Today Chemistry*, 31, 101626. <https://doi.org/10.1016/j.mtchem.2023.101626>

[Link](#)

103 Physik, Astronomie

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

Kitatani, M., Si, L., Worm, P., Tomczak, J. M., Arita, R., & Held, K. (2023). Optimizing Superconductivity: From Cuprates via Nickelates to Palladates. *Physical Review Letters*, 130(16), 166002. <https://doi.org/10.1103/PhysRevLett.130.166002>

[Link](#)

103 Physik, Astronomie

Si, L., & Held, K. (2023). Electronic structure of the putative room-temperature superconductor Pb₉Cu(PO₄)₆O. *Physical Review B*, 108(12), Article L121110. <https://doi.org/10.1103/PhysRevB.108.L121110>

[Link](#)

103 Physik, Astronomie

Wais, M., Bagsican, F. R. G., Komatsu, N., Gao, W., Serita, K., Murakami, H., Held, K., Kawayama, I., Kono, J., Battiato, M., & Tonouchi, M. (2023). Transition from Diffusive to Superdiffusive Transport in Carbon Nanotube Networks via Nematic Order Control. *Nano Letters*, 23(10), 4448–4455. <https://doi.org/10.1021/acs.nanolett.3c00765>

[Link](#)

103 Physik, Astronomie

Witt, N., Si, L., Tomczak, J. M., Held, K., & Wehling, T. O. (2023). No superconductivity in Pb₉ Cu₁ (PO₄)₆O found in orbital and spin fluctuation exchange calculations. *SciPost Physics*, 15(5), Article 197. <https://doi.org/10.21468/SciPostPhys.15.5.197>

[Link](#)

103 Physik, Astronomie

Cialdai, F., Brown, A., Baumann, C., Angeloni, D., Baatout, S., Benchoua, A., Bereiter-Hahn, J., Bottai, D., Buchheim, J.-I., Calvaruso, M., Carnero-Diaz, E., Castiglioni, S., Cavalieri, D., Ceccarelli, G., Choukér, A., Ciofani, G., Coppola, G., Cusella, G., Degl'Innocenti, A., ... Monici, M. (2023). How do

gravity alterations affect animal and human systems at a cellular/tissue level? *Npj Microgravity*, 9(1), Article 84. <https://doi.org/10.1038/s41526-023-00330-y>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Si, L., Wallerberger, M., Smolyanyuk, A., di Cataldo, S., Tomczak, J. M., & Held, K. (2024). Pb^{10??} Cu[?] (PO₄)₆O: a Mott or charge transfer insulator in need of further doping for (super)conductivity. *Journal of Physics: Condensed Matter*, 36(6), Article 065601. <https://doi.org/10.1088/1361-648X/ad0673>

[Link](#)

103 Physik, Astronomie

Lee, J., Hube, S., & Elgeti, S. (2023). Neural networks vs. splines: advances in numerical extruder design. *Engineering with Computers*, 39. <https://doi.org/10.1007/s00366-023-01839-2>

[Link](#)

102 Informatik

203 Maschinenbau

211 Andere Technische Wissenschaften

Veronesi, S., Vlamidis, Y., Ferbel, L., Marinelli, C., Sanmartin, C., Taglieri, I., Pfusterschmied, G., Leitgeb, M., Schmid, U., Mencarelli, F., & Heun, S. (2023). Three-dimensional graphene on a nano-porous 4H-silicon carbide backbone: a novel material for food sensing applications. *Journal of the Science of Food and Agriculture*, 1–11. <https://doi.org/10.1002/jsfa.13118>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Prabakaran, B. S., Hamelmann, P., Ostrowski, E., & Shafique, M. (2023). FPUS23: An ultrasound fetus phantom dataset with deep neural network evaluations for fetus orientations, fetal planes, and anatomical features. *IEEE Access*, 11, 58308–58317. <https://doi.org/10.1109/ACCESS.2023.3284315>

[Link](#)

102 Informatik

Blöschl, G., & Chaffe, P. L. B. (2023). Water scarcity is exacerbated in the south. *Science*, 382(6670), 512–513. <https://doi.org/10.1126/science.adk8164>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Blöschl, G., Bertola, M., Lun, D., Viglione, A., Kiss, A., & Komma, J. (2023). Langfristige Änderungen der Hochwasserwahrscheinlichkeiten in Europa. *HYDROLOGIE UND WASSERBEWIRTSCHAFTUNG*, 67(5), 289–300. https://doi.org/10.5675/HyWa_2023.5_6

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Fischer, M., Pavlík, P., Vizina, A., Bernsteinová, J., Parajka, J., Anderson, M., Rehor, J., Ivancicová, J., Štěpánek, P., Balek, J., Hain, C., Tachecí, P., Hanel, M., Lukeš, P., Bláhová, M., Dlabal, J., Zahradníček, P., Máca, P., Komma, J., ... Trnka, M. (2023). Attributing the drivers of runoff decline in the Thaya river basin. *JOURNAL OF HYDROLOGY-REGIONAL STUDIES*, 48, Article 101436. <https://doi.org/10.1016/j.ejrh.2023.101436>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ghoreishi, M., Elshorbagy, A., Razavi, S., Blöschl, G., Sivapalan, M., & Abdelkader, A. (2023). Cooperation in a transboundary river basin: a large-scale socio-hydrological model of the Eastern Nile. *Hydrology and Earth System Sciences*, 27(5), 1201–1219. <https://doi.org/10.5194/hess-27-1201-2023>
[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hövel, A., Stumpp, C., Bogena, H., Lücke, A., Strauss, P., Blöschl, G., & Stockinger, M. (2024). Repeating patterns in runoff time series: A basis for exploring hydrologic similarity of precipitation and catchment wetness conditions. *Journal of Hydrology*, 629, 130585. <https://doi.org/10.1016/j.jhydrol.2023.130585>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Xu, Z., Zhang, Y., Blöschl, G., & Piao, S. (2023). Mega Forest Fires Intensify Flood Magnitudes in Southeast Australia. *Geophysical Research Letters*, 50(12), Article e2023GL103812. <https://doi.org/10.1029/2023GL103812>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hafner, J., Disnan, D., Benaglia, S., Garcia, R., & Schmid, U. (2023). Solution-processed ferroelectric polymer nanocrystals. *Polymer*, 281, 126115. <https://doi.org/10.1016/j.polymer.2023.126115>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hadamek, T., Jorstad, N. P., Goes, W., Selberherr, S., & Sverdlov, V. (2024). Numerical study of two-terminal SOT-MRAM. *Physica B: Condensed Matter*, 673, 1–6. <https://doi.org/10.1016/j.physb.2023.415362>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Macili, A., Vlamidis, Y., Pfusterschmied, G., Leitgeb, M., Schmid, U., Heun, S., & Veronesi, S. (2023). Study of hydrogen absorption in a novel three-dimensional graphene structure: Towards hydrogen storage applications. *Applied Surface Science*, 615, Article 156375. <https://doi.org/10.1016/j.apsusc.2023.156375>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Heid, E., Greenman, K. P., Chung, Y., Li, S.-C., Graff, D. E., Vermeire, F., Wu, H., Green, W. H., & McGill, C. J. (2023). Chemprop: A Machine Learning Package for Chemical Property Prediction. *Journal of Chemical Information and Modeling*. <https://doi.org/10.1021/acs.jcim.3c01250>

[Link](#)

104 Chemie

Davoli, E., Fonseca, I., & Liu, P. (2023). Adaptive Image Processing: First Order PDE Constraint Regularizers and a Bilevel Training Scheme. *Journal of Nonlinear Science*, 33(3), Article 41. <https://doi.org/10.1007/s00332-023-09902-4>

[Link](#)

101 Mathematik

Davoli, E., & Friedrich, M. (2023). Two-well linearization for solid-solid phase transitions. *Journal of the European Mathematical Society*. <https://doi.org/10.4171/JEMS/1385>

[Link](#)

101 Mathematik

Almi, S., Davoli, E., & Friedrich, M. (2023). Non-interpenetration conditions in the passage from nonlinear to linearized Griffith fracture. *Journal de Mathématiques Pures et Appliquées*, 175, 1–36. <https://doi.org/10.1016/j.matpur.2023.05.001>

[Link](#)

101 Mathematik

Davoli, E., Ferreira, R., Kreisbeck, C., & Schönberger, H. (2023). Structural Changes in Nonlocal Denoising Models Arising Through Bi-Level Parameter Learning. *Applied Mathematics and Optimization*, 88(1), Article 9. <https://doi.org/10.1007/s00245-023-09982-4>

[Link](#)

101 Mathematik

Xiao, M., Wang, Z., Zhao, Y., Geng, G., Dustdar, S., Donta, P. K., & Ji, G. (2023). A new fault feature extraction method of rolling bearings based on the improved self-selection ICEEMDAN-permutation entropy. *ISA Transactions*, 143, 536–547. <https://doi.org/10.1016/j.isatra.2023.09.009>

[Link](#)

102 Informatik

Dai, X., Xiao, Z., Jiang, H., Lei, M., Min, G., Liu, J., & Dustdar, S. (2023). Offloading Dependent Tasks in Edge Computing With Unknown System-Side Information. *IEEE Transactions on Services Computing*, 16(6), 4345–4359. <https://doi.org/10.1109/TSC.2023.3320674>

[Link](#)

102 Informatik

Chen, J.-L., Blaha, P., & Kaltsoyannis, N. (2023). DFT + U simulation of the X-ray absorption near-edge structure of bulk UO₂ and PuO₂. *The Journal of Physical Chemistry C*, 127(36), 17994–18000. <https://doi.org/10.1021/acs.jpcc.3c03143>

[Link](#)

103 Physik, Astronomie

104 Chemie

205 Werkstofftechnik

Yao, X., Gaudet, J., Verma, R., Graf, D., Yang, H.-Y., Bahrami, F., Zhang, R., Aczel, A., Subedi, S., Torchinsky, D., Sun, J., Bansil, A., Huang, S. M., Singh, B., Blaha, P., Nikolic, P., & Tafti, F. (2023). Large topological hall effect and spiral magnetic order in the Weyl semimetal SmAlSi. *Physical Review X*, 13(1), Article 011035. <https://doi.org/10.1103/PhysRevX.13.011035>

[Link](#)

103 Physik, Astronomie

104 Chemie

205 Werkstofftechnik

Ivaki, M. N., & Milman, E. (2023). Uniqueness of solutions to a class of isotropic curvature problems. *Advances in Mathematics*, 435, Article 109350. <https://doi.org/10.1016/j.aim.2023.109350>

[Link](#)

101 Mathematik

Farahani, M., Kozák, T., Pajdarová, A. D., Bahr, A., Riedl, H., & Zeman, P. (2023). Understanding ion and atom fluxes during high-power impulse magnetron sputtering deposition of NbC[?] films from a compound target. *Journal of Vacuum Science and Technology A*, 41(6), Article 063008. <https://doi.org/>

10.1116/6.0002944

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Song, Z., Zonta, F., Ogorek, L. L. P., Bastegaard, V. K., Herzog, M., Pellegrini, E., & Pedersen, O. (2023). The quantitative importance of key root traits for radial water loss under low water potential. *Plant and Soil*, 482, 567–584. <https://doi.org/10.1007/s11104-022-05711-y>

[Link](#)

103 Physik, Astronomie

105 Geowissenschaften

Chibbaro, S., Reyes, J., Rossi, M., Soldati, A., & Zonta, F. (2023). Coherent structure modification by a shear acting at the surface of a turbulent open channel. *European Physical Journal Plus*, 138(9), Article 799. <https://doi.org/10.1140/epjp/s13360-023-04401-7>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Tai, L. X. T., Longobucco, M., Nguyen, V. H., Paluba, B., Trippenbach, M., Malomed, B. A., Astrauskas, I., Pugžlys, A., Baltuška, A., Buczynski, R., & Bugar, I. (2024). Analysis of high-contrast all-optical dual-wavelength switching in asymmetric dual-core fibers. *Optics Letters*, 49(1), 149–152. <https://doi.org/10.34726/5493>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Svatunek, D., Chojnacki, K., Deb, T., Eckvahl, H., Houk, K. N., & Franzini, R. M. (2023). Orthogonal Inverse-Electron-Demand Cycloaddition Reactions Controlled by Frontier Molecular Orbital Interactions. *Organic Letters*, 25(34), 6340–6345. <https://doi.org/10.1021/acs.orglett.3c02265>

[Link](#)

104 Chemie

Fernández, I., Bickelhaupt, F. M., & Svatunek, D. (2023). Unraveling the Bürgi-Dunitz Angle with Precision: The Power of a Two-Dimensional Energy Decomposition Analysis. *Journal of Chemical Theory and Computation*, 19(20), 7300–7306. <https://doi.org/10.1021/acs.jctc.3c00907>

[Link](#)

104 Chemie

Jurado, L., Esvan, J., Luque-Álvarez, L. A., Bobadilla, L. F., Odriozola, J. A., Posada-Pérez, S., Poater, A., Comas-Vives, A., & Axet, M. R. (2023). Highly dispersed Rh single atoms over graphitic carbon nitride as a robust catalyst for the hydroformylation reaction. *Catalysis Science & Technology*, 13(5), 1425–1436. <https://doi.org/10.1039/d2cy02094g>

[Link](#)

103 Physik, Astronomie

104 Chemie

205 Werkstofftechnik

Theerathanagorn, T., Vidal-López, A., Comas-Vives, A., Poater, A., & D'Elia, V. (2023). Cycloaddition of CO₂ to epoxides “around water”: a strategy to apply and recycle efficient water-soluble bio-based organocatalysts in biphasic media. *Green Chemistry*, 25(11), 4336–4349. <https://doi.org/10.1039/d2gc04589c>

[Link](#)

103 Physik, Astronomie

104 Chemie

Zhang, W., Vidal-López, A., & Comas-Vives, A. (2023). Theoretical study of the catalytic performance of Fe and Cu single-atom catalysts supported on Mo₂C toward the reverse water-gas shift reaction. *Frontiers in Chemistry*, 11. <https://doi.org/10.3389/fchem.2023.1144189>

[Link](#)

103 Physik, Astronomie

104 Chemie

Díaz López, E., & Comas-Vives, A. (2023). CO₂ activation dominating the dry reforming of methane catalyzed by Rh(111) based on multiscale modelling. *Catalysis Science & Technology*, 13(24), 7162–7171. <https://doi.org/10.1039/d3cy01546g>

[Link](#)

103 Physik, Astronomie

104 Chemie

Dera, K.-S. M., Dieng, M. M., Moyaba, P., Ouedraogo, G. M., Pagabeleguem, S., Njokou, F., Ngambia Freitas, F. S., de Beer, C. J., Mach, R., Vreysen, M., & Abd-Alla, A. M. (2023). Prevalence of *Spiroplasma* and interaction with wild *Glossina tachinoides* microbiota. *Parasite*, 30, Article 62. <https://doi.org/10.1051/parasite/2023064>

[Link](#)

106 Biologie

208 Umweltbiotechnologie

Kaboré, B. A., Nawaj, A., Maiga, H., Soukia, O., Pagabeleguem, S., Ouédraogo/Sanon, M. S. G., Vreysen, M. J. B., Mach, R., & de Beer, C. J. (2023). X-rays are as effective as gamma-rays for the sterilization of *Glossina palpalis gambiensis* Vanderplank, 1911 (Diptera: Glossinidae) for use in the sterile insect technique. *Scientific Reports*, 13(1), Article 17633. <https://doi.org/10.1038/s41598-023-44479-8>

[Link](#)

106 Biologie

208 Umweltbiotechnologie

Aebeloe, C., Montoya, G., & Hose, K. (2023). Optimizing SPARQL queries over decentralized knowledge graphs. *Semantic Web*, 14(6), 1121–1165. <https://doi.org/10.3233/SW-233438>

[Link](#)

101 Mathematik

102 Informatik

Schirrer, A., Santos, J., Grujic, M., Zulehner, J., Weichselbaumer, M., Antunes, P., Pombo, J., Hametner, C., & Jakubek, S. (2024). Time delay in a mechatronic Power-HIL system: Analysis and model-based compensation. *Control Engineering Practice*, 144, Article 105832. <https://doi.org/10.1016/j.conengprac.2023.105832>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Liu, X., Xia, J., Deng, S., Zhou, M., Mao, B., & Blanckaert, K. (2023). Hydrodynamic and Morphological Adaptation of Two Consecutive Sharp Bends of the Middle Yangtze River to Upstream Damming. *Water Resources Research*, 60(1), 1–22. <https://doi.org/10.1029/2023WR034990>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Zhuo, C., Huang, Y., Koutná, N., Gao, Z., Sangiovanni, D. G., Fellner, S., Haberfehlner, G., Jin, S., Mayrhofer, P. H., Kothleitner, G., & Zhang, Z. (2023). Large mechanical properties enhancement in

ceramics through vacancy-mediated unit cell disturbance. *Nature Communications*, 14(1), Article 8387. <https://doi.org/10.1038/s41467-023-44060-x>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Leiner, T., Koutná, N., Janovec, J., Zelený, M., Mayrhofer, P. H., & Holec, D. (2023). On energetics of allotrope transformations in transition-metal diborides via plane-by-plane shearing. *Vacuum*, 215, Article 112329. <https://doi.org/10.1016/j.vacuum.2023.112329>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Fiantok, T., Koutná, N., Sangiovanni, D. G., & Mikula, M. (2023). Ceramic transition metal diboride superlattices with improved ductility and fracture toughness screened by ab initio calculations. *Scientific Reports*, 13(1), Article 12835. <https://doi.org/10.1038/s41598-023-39997-4>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Ekstein, J., & Fleischner, H. (2024). The most general structure of graphs with hamiltonian or hamiltonian connected square. *Discrete Mathematics*, 347(1), Article 113702. <https://doi.org/10.1016/j.disc.2023.113702>

[Link](#)

101 Mathematik

102 Informatik

Xie, X., Hung, Y., Deng, Y., Cavalieri, A. L., Baltuška, A., & Johnson, S. L. (2023). Generation of millijoule-level sub-5fs violet laser pulses. *High Power Laser Science and Engineering*, 1–9. <https://doi.org/10.1017/hpl.2023.100>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schäfer, J., Winiwarter, L., Weiser, H., Novotný, J., Höfle, B., Schmidlein, S., Henniger, H., Krok, G., Sterenczak, K., & Fassnacht, F. E. (2023). Assessing the potential of synthetic and ex situ airborne laser scanning and ground plot data to train forest biomass models. *Forestry*, Article cpad061. <https://doi.org/10.34726/5372>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hristozova, A. D., Simitchiev, K. K., Kmetov, V., & Rosenberg, E. (2024). Compatibility of cloud point extraction with gas chromatography: Matrix effects of Triton X-100 on GC-MS and GC-MS/MS analysis of organochlorine and organophosphorus pesticides. *Talanta*, 269, Article 125445. <https://doi.org/10.1016/j.talanta.2023.125445>

[Link](#)

104 Chemie

Gritsch, S. M., Mihalyi, S., Bartl, A., Ipsmiller, W., Jenull-Halver, U., Putz, R., Quartinello, F., & Guebitz, G. M. (2023). Closing the cycle: Enzymatic recovery of high purity glucose and polyester from textile blends. *RESOURCES CONSERVATION AND RECYCLING*, 188, Article 106701. <https://doi.org/10.1016/j.resconrec.2022.106701>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

209 Industrielle Biotechnologie

Stadler, B., Gorgas, N., White, A., & Crimmin, M. (2023). Double Deprotonation of CH₃CN by an Iron-Aluminium Complex. *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION*, 62(16), Article e202219212. <https://doi.org/10.1002/anie.202219212>

[Link](#)

104 Chemie

Khmelevskiy, S., Pourovskii, L. V., & Tereshina-Chitrova, E. A. (2023). Structure of the normal state and origin of the Schottky anomaly in the correlated heavy-fermion superconductor UTe₂. *Physical Review B*, 107(21), Article 214501. <https://doi.org/10.1103/PhysRevB.107.214501>

[Link](#)

103 Physik, Astronomie

Cao, Y., Zhou, H., Khmelevskiy, S., Lin, K., Avdeev, M., Wang, C.-W., Wang, B., Hu, F., Kato, K., Hattori, T., Abe, J., Ohara, K., Kawaguchi, S., Li, Q., Fukuda, M., Nishikubo, T., Lee, K., Koike, T., Liu, Q., ... Xing, X. (2023). Pressure-Modulated Magnetism and Negative Thermal Expansion in the Ho₂Fe₁₇ Intermetallic Compound. *Chemistry of Materials*, 35(8), 3249–3255. <https://doi.org/10.1021/acs.chemmater.3c00158>

[Link](#)

103 Physik, Astronomie

104 Chemie

Kretschmer, A., Bohrn, F., Hutter, H., Pitthan, E., Tran, T. T., Primetzhofer, D., & Mayrhofer, P. H. (2023). Analysis of (Al,Cr,Nb,Ta,Ti)-nitride and -oxynitride diffusion barriers in Cu-Si interconnects by 3D-Secondary Ion Mass Spectrometry. *Materials Characterization*, 197, Article 112676. <https://doi.org/10.1016/j.matchar.2023.112676>

[Link](#)

205 Werkstofftechnik

Sun, Y., Cao, Y., Hu, S., Avdeev, M., Wang, C.-W., Khmelevskiy, S., Ren, Y., Lapidus, S. H., Chen, X., Li, Q., Deng, J., Miao, J., Lin, K., Kuang, X., & Xing, X. (2023). Interplanar Ferromagnetism Enhanced Ultrawide Zero Thermal Expansion in Kagome Cubic Intermetallic (Zr,Nb)Fe₂. *Journal of the American Chemical Society*, 145(31), 17096–17102. <https://doi.org/10.1021/jacs.3c03160>

[Link](#)

103 Physik, Astronomie

104 Chemie

Kretschmer, A., Jaszfi, V., Dalbauer, V., Schott, V., Benedikt, S., Eriksson, A. O., Limbeck, A., & Mayrhofer, P. H. (2023). Designing selective stripping processes for Al-Cr-N hard coatings on WC-Co cemented carbides. *SURFACE & COATINGS TECHNOLOGY*, 472, Article 129914. <https://doi.org/10.1016/j.surfcoat.2023.129914>

[Link](#)

205 Werkstofftechnik

Lin, K., Li, G., Khmelevskiy, S., Pourovskii, L. V., Jiang, S., Kato, K., Yu, C., Cao, Y., Li, Q., Kuang, X., & Xing, X. (2023). The Structure of Terbium in the Ferromagnetic State. *Journal of the American Chemical Society*, 145(32), 17856–17862. <https://doi.org/10.1021/jacs.3c04931>

[Link](#)

103 Physik, Astronomie

104 Chemie

Grützmacher, P. G., Cutini, M., Marquis, E., Rodríguez Ripoll, M., Riedl, H., Kutrowatz, P., Bug, S., Hsu, C.-J., Bernardi, J., Gachot, C., Erdemir, A., & Righi, M. C. (2023). Se Nanopowder Conversion into Lubricious 2D Selenide Layers by Tribochemical Reactions. *Advanced Materials*, 35(42), Article

2302076. <https://doi.org/10.1002/adma.202302076>

[Link](#)

205 Werkstofftechnik

210 Nanotechnologie

Tereshina-Chitrova, E. A., Pourovskii, L. V., Khmelevskiy, S., Horak, L., Bao, Z., Mackova, A., Malinsky, P., Gouder, T., & Caciuffo, R. (2023). Strain-driven Switching Between Antiferromagnetic States in Frustrated Antiferromagnet UO₂ Probed by Exchange Bias Effect. *Advanced Functional Materials*, Article 2311895. <https://doi.org/10.1002/adfm.202311895>

[Link](#)

103 Physik, Astronomie

104 Chemie

Ferreira, D. A., Conde, J. P., Rothbauer, M., Ertl, P., Granja, P. L., & Oliveira, C. (2023). Bioinspired human stomach-on-a-chip with in vivo like function and architecture. *Lab on a Chip*, 23(3), 495–510. <https://doi.org/10.1039/d2lc01132h>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Iuorio, A., Jankowiak, G., Szmolyan, P., & Wolfram, M.-T. (2023). Canards in a bottleneck. *PHYSICA D-NONLINEAR PHENOMENA*, 451, Article 133768. <https://doi.org/10.1016/j.physd.2023.133768>

[Link](#)

101 Mathematik

Despicht, C., Munkboel, C. H., Chou, H. N., Ertl, P., Rothbauer, M., Kutter, J., Styriehave, B., & Kretschmann, A. (2023). Towards a microfluidic H295R steroidogenesis assay—biocompatibility study and steroid detection on a thiol-ene-based chip. *Analytical and Bioanalytical Chemistry*, 415(22), 5421–5436. <https://doi.org/10.1007/s00216-023-04816-2>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Archimbaud, A., Drmac, Z., Nordhausen, K., Radojicic, U., & Ruiz-Gazen, A. (2023). Numerical Considerations and a new implementation for invariant coordinate selection. *SIAM JOURNAL ON MATHEMATICS OF DATA SCIENCE*, 5(1), 97–121. <https://doi.org/10.1137/22M1498759>

[Link](#)

101 Mathematik

Kohl, Y., William, N., Elje, E., Backes, N., Rothbauer, M., Srancikova, A., Rundén-Pran, E., El Yamani, N., Korenstein, R., Madi, L., Barbul, A., Kozics, K., Sramkova, M., Steenson, K., Gabelova, A., Ertl, P., Dusinska, M., & Nelson, A. (2023). Rapid identification of in vitro cell toxicity using an electrochemical membrane screening platform. *Bioelectrochemistry*, 153, Article 108467. <https://doi.org/10.1016/j.bioelechem.2023.108467>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Kirchsteiger, B., Materic, D., Happenhofer, F., Holzinger, R., & Kasper-Giebl, A. (2023). Fine micro- and nanoplastics particles (PM_{2.5}) in urban air and their relation to polycyclic aromatic hydrocarbons. *Atmospheric Environment*, 301, 119670. <https://doi.org/10.1016/j.atmosenv.2023.119670>

[Link](#)

104 Chemie

Tarrío, D., Tassan-Got, L., Duran, I., Leong, L. S., Paradelo Dobarro, C., Audouin, L., Leal-Cidoncha, E., Le Naour, C., Caamano, M., Ventura, A., Altstadt, S., Andrzejewski, J., Barbagallo, M., Bécares, V., Frantisek Becvar, Belloni, F., Berthoumieux, E., Billowes, J., Boccone, V., ... Zugec, P. (2023). Neutron-induced fission cross sections of ^{232}Th and ^{233}U up to 1 GeV using parallel plate avalanche counters at the CERN n_TOF facility. *Physical Review C*, 107(4), 1–21. <https://doi.org/10.1103/PhysRevC.107.044616>

107.044616

[Link](#)

103 Physik, Astronomie

Szramowiat-Sala, K., Styszko, K., Samek, L., Kistler, M., Macherzynski, M., Ryšavý, J., Krpec, K., Horák, J., Kasper-Giebl, A., & Golas, J. (2023). Comparative Analysis of Real-Emitted Particulate Matter and PM-Bound Chemicals from Residential and Automotive Sources: A Case Study in Poland. *Energies*, 16(18), Article 6514. <https://doi.org/10.3390/en16186514>

[Link](#)

104 Chemie

105 Geowissenschaften

Shi, B. X., Zen, A., Kapil, V., Nagy, P. R., Grüneis, A., & Michaelides, A. (2023). Many-Body Methods for Surface Chemistry Come of Age: Achieving Consensus with Experiments. *Journal of the American Chemical Society*, 145(46), 25372–25381. <https://doi.org/10.1021/jacs.3c09616>

[Link](#)

103 Physik, Astronomie

Sovukluk, S., Engelsberger, J., & Ott, C. (2024). Highly maneuverable humanoid running via 3D SLIP+foot dynamics. *IEEE Robotics and Automation Letters*, 9(2), 1131–1138. <https://doi.org/10.34726/5389>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zauner, L., Steiner, A., Glechner, T., Bahr, A. A. I., Ott, B., Hahn, R., Wojcik, T., Hunold, O., Ramm, J., Kolozsvári, S., Polcik, P., Felfer, P., & Riedl-Tragenreif, H. (2023). Role of Si segregation in the structural, mechanical, and compositional evolution of high-temperature oxidation resistant Cr-Si-B $_{2\pm z}$ thin films. *Journal of Alloys and Compounds*, 944, Article 169203. <https://doi.org/10.1016/j.jallcom.2023.169203>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Pöllinger, A., Koch, T., Krenn, S., Wilde, F., Tolnai, D., Plank, B., Heupl, S., Bernardi, J., Whitmore, K., Langela, M., Seichter, S., & Schöbel, M. (2023). Thermo-mechanical properties and internal architecture of PI composites for high-pressure hydrogen applications. *Polymer*, 289, 126500. <https://doi.org/10.1016/j.polymer.2023.126500>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Parragh, D. M., Scheuerlein, C., Piccin, R., Ravotti, F., Pezzullo, G., Ternova, D., Taborelli, M., Lehner, M., & Eisterer, M. (2024). Irradiation induced aging of epoxy resins for impregnation of superconducting magnet coils. *IEEE Transactions on Applied Superconductivity*, 34(3), Article 7800107. <https://doi.org/10.1109/TASC.2023.3332705>

[Link](#)

103 Physik, Astronomie

Bernabé Vírveda, I., Mantel, A., Prado-Roller, A., Eisterer, M., & Shiozawa, H. (2023). Metamagnetism in a coordination polymer built of trimeric cobalt units and melamine. *Royal Society Open Science*, 10(11),

230910. <https://doi.org/10.1098/rsos.230910>

[Link](#)

103 Physik, Astronomie

Shobeyrian, F., Shojaei, F., Soleimani, M., & Pourfath, M. (2023). Two-dimensional Cr₂X₂Y₆ (X = Si, Ge; Y = S, Se, Te) family with potential application in photocatalysis. *Applied Surface Science*, 630, 157319.

<https://doi.org/10.1016/j.apsusc.2023.157319>

[Link](#)

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

210 Nanotechnologie

HosseinpourRokni, M., Naderi, R., Soleimani, M., Kowsari, E., & Pourfath, M. (2023). Indirect interactions between the ionic liquid and Cu surface in 0.5 M HCl: a novel mechanism explaining cathodic corrosion inhibition. *Corrosion Science*, 216, Article 111100. <https://doi.org/10.1016/j.corsci.2023.111100>

[Link](#)

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

211 Andere Technische Wissenschaften

Shayanfar, R., Alidoosti, M., Nasr Esfahani, D., & Pourfath, M. (2023). The carrier mobility and superconducting properties of monolayer oxygen-terminated functionalized MXene Ti₂CO₂. *Nanoscale*, 15(46), 18806–18817. <https://doi.org/10.1039/d3nr03981a>

[Link](#)

103 Physik, Astronomie

202 Elektrotechnik, Elektronik, Informationstechnik

Soleimani, M., & Pourfath, M. (2023). A comprehensive investigation of the plasmonic-photocatalytic properties of gold nanoparticles for CO₂ conversion to chemicals. *Nanoscale*, 15(15), 7051–7067. <https://doi.org/10.1039/d3nr00566f>

[Link](#)

103 Physik, Astronomie

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

Dehdast, M., Neek-Amal, M., Stampfl, C., & Pourfath, M. (2023). Strain engineering of hyperbolic plasmons in monolayer carbon phosphide: a first-principles study. *Nanoscale*, 15(5), 2234–2247. <https://doi.org/10.1039/d2nr06439a>

[Link](#)

103 Physik, Astronomie

202 Elektrotechnik, Elektronik, Informationstechnik

Zauner, L., Hahn, R., Hunold, O., Ramm, J., Kolozsvári, S., Polcik, P., & Riedl-Tragenreif, H. (2023). Influence of Si segregates on the structural evolution, mechanical properties, and high-temperature fracture toughness of Cr-Si-B_{2±z} coatings. *Journal of Alloys and Compounds*, 958, Article 170354. <https://doi.org/10.1016/j.jallcom.2023.170354>

[Link](#)

205 Werkstofftechnik

210 Nanotechnologie

Prikhna T. O. ??????, T., Eisterer, M., Büchner, B., Kluge, R., Sokolovsky, V., Moshchil, V., Bodenseher, A., Filzmoser, J., Lindackers, D., Ponomaryov C. C. ??????????, S. S., Karpets M. B. ???????, M. V., Werfel, F. N., Flögel-Delor, U., Vakaliuk, A., & Sverdun B. ?. C??????, V. B. (2023). Trapped Fields of Hot-Pressed MgB₂ for Applications in Liquid Hydrogen. *IEEE Transactions on Applied Superconductivity*, 33(5), Article 6801105. <https://doi.org/10.1109/TASC.2023.3248531>

[Link](#)

103 Physik, Astronomie

Sleziak, P., Danko, M., Janco, M., Parajka, J., & Holko, L. (2023). Spatial and temporal variability of saturated areas during rainfall-runoff events. *Journal of Hydrology and Hydromechanics*, 71(4), 439–448. <https://doi.org/10.2478/johh-2023-0025>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wheatley, L. E., Baumgartner, T., Eisterer, M., Speller, S. C., Moody, M. P., & Grovenor, C. R. M. (2023). Understanding the nanoscale chemistry of as-received and fast neutron irradiated Nb₃Sn RRP® wires using atom probe tomography. *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*, 36(8), 085006. <https://doi.org/10.1088/1361-6668/acdbed>

[Link](#)

103 Physik, Astronomie

Bernabé Virseda, I., Siddiqui, S. A., Prado-Roller, A., Eisterer, M., & Shiozawa, H. (2023). A Novel Molecular Assembly of a Cobalt-Sulfate Coordination Polymer and Melamine: A Manifestation of Magnetic Anisotropy. *ACS Omega*, 8(3), 3493–3500. <https://doi.org/10.1021/acsomega.2c07556>

[Link](#)

103 Physik, Astronomie

104 Chemie

Mikulic-Petkovsek, M., Ivancic, A., Gacnik, S., Veberic, R., Hudina, M., Marinovic, S., Molitor, C., & Halbwirth, H. (2023). Biochemical Characterization of Black and Green Mutant Elderberry during Fruit Ripening. *PLANTS-BASEL*, 12(3), Article 504. <https://doi.org/10.3390/plants12030504>

[Link](#)

106 Biologie

401 Land- und Forstwirtschaft, Fischerei

404 Agrarbiotechnologie, Lebensmittelbiotechnologie

Kempf, K., Kempf, O., Capello, Y., Molitor, C., Lescoat, C., Melhem, R., Chaignepain, S., Génot, E., Groppi, A., Nikolski, M., Halbwirth, H., Deffieux, D., & Quideau, S. (2023). Synthesis of Flavonol-Bearing Probes for Chemoproteomic and Bioinformatic Analyses of Asteraceae Petals in Search of Novel Flavonoid Enzymes. *International Journal of Molecular Sciences*, 24(11), Article 9724. <https://doi.org/10.3390/ijms24119724>

[Link](#)

104 Chemie

106 Biologie

209 Industrielle Biotechnologie

Shinaoka, H., Wallerberger, M., Murakami, Y., Nogaki, K., Sakurai, R., Werner, P., & Kauch, A. (2023). Multiscale Space-Time Ansatz for Correlation Functions of Quantum Systems Based on Quantics Tensor Trains. *Physical Review X*, 13(2), Article 021015. <https://doi.org/10.1103/PhysRevX.13.021015>

[Link](#)

103 Physik, Astronomie

Glechner, T., Hahn, R., Bahr, A. A. I., Wojcik, T., Weiss, M., Ramm, J., Hunold, O., Polcik, P., & Riedl-Tragenreif, H. (2023). Oxidation resistance of Si doped transition metal diborides at elevated temperatures. *INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS*, 113, 106172. <https://doi.org/10.1016/j.ijrmhm.2023.106172>

[Link](#)

205 Werkstofftechnik

210 Nanotechnologie

Budianto, F., Nakata, T., & Schmidt, S. (2023). Average inflation targeting and the interest rate lower bound. *European Economic Review*, 152, Article 104384. <https://doi.org/10.1016/j.euroecorev.2023.104384>

[Link](#)

502 Wirtschaftswissenschaften

Dreier, J., Ordyniak, S., & Szeider, S. (2023). CSP beyond tractable constraint languages. *Constraints*, 28(3), 450–471. <https://doi.org/10.1007/s10601-023-09362-3>

[Link](#)

101 Mathematik

102 Informatik

Dolsirittigul, N., Numpilai, T., Faungnawakij, K., Chareonpanich, M., Rupprechter, G., & Witoon, T. (2024). Unraveling the complex interactions between structural features and reactivity of iron-based catalysts across various supports in the synthesis of light olefins from syngas. *Chemical Engineering Journal*, 480, Article 148196. <https://doi.org/10.1016/j.cej.2023.148196>

[Link](#)

104 Chemie

Unglert, N., Carrete, J., Pártay, L. B., & Madsen, G. K. H. (2023). Neural-network force field backed nested sampling: Study of the silicon α - β phase diagram. *Physical Review Materials*, 7(12), Article 123804. <https://doi.org/10.1103/PhysRevMaterials.7.123804>

[Link](#)

104 Chemie

Hanlon, R., Jimenez-Sanchez, C., Benson, J., Aho, K., Morris, C., Seifried, T. M., Baloh, P., Grothe, H., & Schmale, D. (2023). Diversity and ice nucleation activity of *Pseudomonas syringae* in drone-based water samples from eight lakes in Austria. *PEERJ*, 11, e16390. <https://doi.org/10.7717/peerj.16390>

[Link](#)

104 Chemie

Pelz, M., Adler, S., Reitner, M., & Toschi, A. (2023). Highly nonperturbative nature of the Mott metal-insulator transition: Two-particle vertex divergences in the coexistence region. *Physical Review B*, 108(15), Article 155101. <https://doi.org/10.1103/PhysRevB.108.155101>

[Link](#)

103 Physik, Astronomie

Schmid, B., Koutná, N., Hahn, R., Wojcik, T., Polcik, P., & Mayrhofer, P. H. (2023). Development of TaC-based transition metal carbide superlattices via compound target magnetron sputtering. *INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS*, 113, Article 106165. <https://doi.org/10.1016/j.ijrmhm.2023.106165>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Elgoyhen, J., Le, C. M. Q., Ricke, A., Liska, R., Baudis, S., Chemtob, abraham, & Tomovska, R. (2024). Implementing miniemulsion photopolymerization for synthesis of waterborne biobased poly(thioethers) coatings. *Progress in Organic Coatings*, 187, Article 108156. <https://doi.org/10.1016/j.porgcoat.2023.108156>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Kirner, R., & Puschner, P. (2023). A qualitative cybersecurity analysis of time-triggered communication networks in automotive systems. *Journal of Systems Architecture*, 136, Article 102835. <https://doi.org/10.1016/j.sysarc.2023.102835>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Müller, N., Banu, R., Loxha, A., Schrenk, F., Lindenthal, L., Rameshan, C., Pittenauer, E., Llorca, J., Timoshenko, J., Marini, C., & Barrabés, N. (2023). Dynamic behaviour of platinum and copper dopants in gold nanoclusters supported on ceria catalysts. *Communications Chemistry*, 6, Article 277. <https://doi.org/10.1038/s42004-023-01068-0>

[Link](#)

104 Chemie

Truttmann, V., Loxha, A., Banu, R., Pittenauer, E., Malola, S., Matus, M. F., Wang, Y., Ploetz, E. A., Rupprechter, G., Bürgi, T., Häkkinen, H., Aikens, C., & Barrabés, N. (2023). Directing intrinsic chirality in gold nanoclusters: preferential formation of stable enantiopure clusters in high yield and experimentally unveiling the “super” chirality of Au₁₄₄. *ACS Nano*, 17(20), 20376–20386. <https://doi.org/10.1021/acsnano.3c06568>

[Link](#)

104 Chemie

Fritze, S., Hahn, R., Aboulfadl, H., Johansson, F., Lindblad, R., Böor, K., Lindblad, A., Berggren, E., Kühn, D., Leitner, T., Osinger, B., Lewin, E., Jansson, U., Mayrhofer, P. H., & Thuvander, M. (2024). Elemental distribution and fracture properties of magnetron sputtered carbon supersaturated tungsten films. *SURFACE & COATINGS TECHNOLOGY*, 477, Article 130326. <https://doi.org/10.1016/j.surfcoat.2023.130326>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Söderfjäll, M., & Gachot, C. (2023). Friction Reduction by Dimple Type Textured Cylinder Liners-An Experimental Investigation. *Materials*, 16(2), Article 665. <https://doi.org/10.3390/ma16020665>

[Link](#)

203 Maschinenbau

Kostera, S., Weber, S., Blaha, I., Peruzzini, M., Kirchner, K., & Gonsalvi, L. (2023). Base- and Additive-Free Carbon Dioxide Hydroboration to Methoxyboranes Catalyzed by Non-Pincer-Type Mn(I) Complexes. *ACS Catalysis*, 13(8), 5236–5244. <https://doi.org/10.1021/acscatal.3c00020>

[Link](#)

104 Chemie

Schratzberger, H., Liebming, L. A., Stöger, B., Veiros, L. F., & Kirchner, K. (2023). Base metal complexes featuring a new pyrazole-derived PCP pincer ligand. *Dalton Transactions*, 52(35), 12410–12422. <https://doi.org/10.1039/d3dt02111d>

[Link](#)

104 Chemie

Gao, Z., Zhang, T., Wang, Q., & Heinz Mayrhofer, P. (2023). Nanostructured zig-zag γ -Mo₂N thin films produced by glancing angle deposition for flexible symmetrical solid-state supercapacitors. *Materials & Design*, 225, Article 111432. <https://doi.org/10.1016/j.matdes.2022.111432>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

- Naqi, A., Delsaute, B., Königsberger, M., & Staquet, S. (2023). Monitoring early age elastic and viscoelastic properties of alkali-activated slag mortar by means of repeated minute-long loadings. *Developments in the Built Environment*, 16, Article 100275. <https://doi.org/10.1016/j.dibe.2023.100275>
[Link](#)
201 Bauwesen
205 Werkstofftechnik
- Schratzberger, H., Stöger, B., Veiros, L. F., & Kirchner, K. (2023). Selective Transfer Semihydrogenation of Alkynes Catalyzed by an Iron PCP Pincer Alkyl Complex. *ACS Catalysis*, 13(21), 14012–14022. <https://doi.org/10.1021/acscatal.3c04156>
[Link](#)
104 Chemie
- Käfer, M., Eder, W., Pecak, J., Stöger, B., Pignitter, M., Veiros, L. F., & Kirchner, K. (2023). Cr(II) and Cr(III) NCN pincer complexes: synthesis, structure, and catalytic reactivity. *MONATSHEFTE FÜR CHEMIE*, 154(11), 1263–1273. <https://doi.org/10.1007/s00706-023-03128-6>
[Link](#)
104 Chemie
- Zobernig, D. P., Luxner, M., Stöger, B., Veiros, L. F., & Kirchner, K. (2023). Hydrogenation of Terminal Alkenes Catalyzed by Air-Stable Mn(I) Complexes Bearing an N-Heterocyclic Carbene-Based PCP Pincer Ligand. *CHEMISTRY-A EUROPEAN JOURNAL*, e202302455. <https://doi.org/10.1002/chem.202302455>
[Link](#)
104 Chemie
- Mayrhofer, P. H., Kagerer, S., Polcik, P., & Kirnbauer, A. (2023). Superior oxidation resistance of the chemically complex but structurally simple Ti-Al-Ta-Ce-Si-La-B-nitride. *Materials & Design*, 227, Article 111722. <https://doi.org/10.1016/j.matdes.2023.111722>
[Link](#)
203 Maschinenbau
205 Werkstofftechnik
- Jiang, J., Sun, T., Huang, G., Feng, X., Shen, Y., & Mayrhofer, P. H. (2023). Microstructure evolution and tribological behavior of laser clad Al_{1.8}CrCuFeNi₂/WC composite coatings on Ti-6Al-4 V. *INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS*, 114, 106254. <https://doi.org/10.1016/j.ijrmhm.2023.106254>
[Link](#)
203 Maschinenbau
205 Werkstofftechnik
- Wittwer, B., Leitner, D., Neururer, F. R., Schoch, R., Seidl, M., Pecak, J., Podewitz, M., & Hohloch, S. (2023). Scrutinizing the Redox Chemistry of Group 10 Complexes Supported by a Redox-Active bis-Phenolate Mesoionic Carbene. *Polyhedron*, 116786. <https://doi.org/10.1016/j.poly.2023.116786>
[Link](#)
104 Chemie
- Usuga, A. F., Praveen, C. S., & Comas-Vives, A. (2023). Local descriptors-based machine learning model refined by cluster analysis for accurately predicting adsorption energies on bimetallic alloys. *JOURNAL OF MATERIALS CHEMISTRY A*. <https://doi.org/10.1039/D3TA06316J>
[Link](#)
104 Chemie
- Schubert, J. S., Doloszeski, E., Ayala, P., Myakala, S. N., Rath, J., Fickl, B., Giesriegl, A., Apaydin, D. H.,

Bayer, B. C., Kashiwaya, S., Cherevan, A., & Eder, D. (2023). Nature of the Active Ni State for Photocatalytic Hydrogen Generation. *Advanced Materials Interfaces*, Article 2300695. <https://doi.org/10.1002/admi.202300695>

[Link](#)

104 Chemie

CHANDRAPPA, S., Galbao, S. J., Sankara Rama Krishnan, P. S., Anna Koshi, N., Das, S., Myakala, S. N., Lee, S.-C., Dutta, A., Cherevan, A., Bhattacharjee, S., & Murthy, D. H. K. (2023). Iridium-Doping as a Strategy to Realize Visible-Light Absorption and p-Type Behavior in BaTiO₃. *JOURNAL OF PHYSICAL CHEMISTRY C*, 127(25), 12383–12393. <https://doi.org/10.1021/acs.jpcc.3c02942>

[Link](#)

104 Chemie

Huang, Z., Rath, J., Zhou, Q., Cherevan, A., Naghdi, S., & Eder, D. (2023). Hierarchically micro- and mesoporous zeolitic imidazolate frameworks through selective ligand removal. *Small*, Article 2307981. <https://doi.org/10.1002/sml.202307981>

[Link](#)

104 Chemie

Brendle, J., Halbeisen, L., Klausner, L. D., Lischka, M., & Shelah, S. (2023). Halfway New Cardinal Characteristics. *Annals of Pure and Applied Logic*, 174(9), Article 103303. <https://doi.org/10.1016/j.apal.2023.103303>

[Link](#)

101 Mathematik

Didier, P., Knötig, H. M., Spitz, O., Cerutti, L., Lardschneider, A., Awwad, E., Diaz-Thomas, D., Baranov, A., Weih, R., Koeth, J., Schwarz, B., & Grillot, F. (2023). Interband cascade technology for energy-efficient mid-infrared free-space communication. *Photonics Research*, 11(4), 582–590. <https://doi.org/10.1364/PRJ.478776>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Nauschütz, J., Knötig, H. M., Weih, R., Scheuermann Julian, Koeth, J., Höfling, S., & Schwarz, B. (2023). Pushing the room temperature continuous-wave operation limit of GaSb-based interband cascade lasers beyond 6 μm . *Laser & Photonics Reviews*, 17(4), Article 2200587. <https://doi.org/10.1002/lpor.202200587>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Babic, D., Begovic, B., & Levajkovic, T. (2023). Probabilistic model for the impact of fear of flying on airline network structures. *Journal of Air Transport Management*, 109, Article 102398. <https://doi.org/10.1016/j.jairtraman.2023.102398>

[Link](#)

101 Mathematik

Yazdanie, M., Frimpong, P. B., Dramani, J. B., & Orehounig, K. (2024). The impacts of the informal economy, climate migration, and rising temperatures on energy system planning. *Energy Reports*, 11, 165–178. <https://doi.org/10.1016/j.egy.2023.11.041>

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Niggas, A., Fischer, L., Kretschmer, S., Werl, M., Biber, H., Speckmann, C., McEvoy, N., Kotakoski, J., Aumayr, F., Krashennnikov, A. V., & Wilhelm, R. A. (2023). Charge-exchange-dependent energy loss of

H and He in freestanding monolayers of graphene and MoS₂. *Physical Review A*, 108(6), 0628231–0628238. <https://doi.org/10.1103/PhysRevA.108.062823>

[Link](#)

103 Physik, Astronomie

Sausa, E., Rajmic, P., & Hlawatsch, F. (2024). Distributed Bayesian target tracking with reduced communication: Likelihood consensus 2.0. *Signal Processing*, 215, Article 109259. <https://doi.org/10.1016/j.sigpro.2023.109259>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Michel, Y., Saveriano, M., & Lee, D. (2023). A Passivity-Based Approach for Variable Stiffness Control With Dynamical Systems. *IEEE Transactions on Automation Science and Engineering*. <https://doi.org/10.1109/TASE.2023.3324141>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Xue, H., Michel, Y., & Lee, D. (2023). A Shared Control Approach Based on First-Order Dynamical Systems and Closed-Loop Variable Stiffness Control. *JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS*, 109(4), Article 85. <https://doi.org/10.1007/s10846-023-02023-w>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ahn, H., Michel, Y., Eiband, T., & Lee, D. (2023). Vision-Based Approximate Estimation of Muscle Activation Patterns for Tele-Impedance. *IEEE Robotics and Automation Letters*, 8(8), 5220–5227. <https://doi.org/10.1109/LRA.2023.3293275>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Paulius, D., Agostini, A., & Lee, D. (2023). Long-Horizon Planning and Execution With Functional Object-Oriented Networks. *IEEE Robotics and Automation Letters*, 8(8), 4513–4520. <https://doi.org/10.1109/LRA.2023.3285510>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Michel, Y., Schulleri, K., Johannsen, L., & Lee, D. (2023). Coordination tending towards an anti-phase relationship determines greater sway reduction during entrainment with a simulated partner. *Human Movement Science*, 89, Article 103090. <https://doi.org/10.1016/j.humov.2023.103090>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

501 Psychologie

Naseer, M., Hasan, O., & Shafique, M. (2023). QuanDA: GPU accelerated quantitative deep neural network analysis. *ACM Transactions on Design Automation of Electronic Systems*, 28(6), 1–21. <https://doi.org/10.1145/3611671>

[Link](#)

102 Informatik

Daza-Serna, L., Masi, A., Serna-Loaiza, S., Pfnier, J., Stark, G., Mach, R. L., Mach-Aigner, A. R., & Friedl, A. (2023). Detoxification strategy of wheat straw hemicellulosic hydrolysate for cultivating *Trichoderma reesei*: a contribution towards the wheat straw biorefinery. *Biomass Conversion and Biorefinery*, 13(18), 16495–16509. <https://doi.org/10.1007/s13399-023-04099-8>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik
209 Industrielle Biotechnologie

Marchisio, A., Teodonio, F., Rizzi, A., & Shafique, M. (2023). ISMatch: A real-time hardware accelerator for inexact string matching of DNA sequences on FPGA. *Microprocessors and Microsystems*, 97, Article 104763. <https://doi.org/10.1016/j.micpro.2023.104763>

[Link](#)

102 Informatik

De Colnet, A., & Mengel, S. (2023). Characterizing Tseitin-formulas with short regular resolution refutations. *Journal of Artificial Intelligence Research*, 76, 265–286. <https://doi.org/10.1613/jair.1.13521>

[Link](#)

101 Mathematik

102 Informatik

Šašinková, A., Cenek, J., Ugwitz, P., Tsai, J.-L., Giannopoulos, I., Lacko, D., Stachon, Z., Fitz, J., & Šašinka, C. (2023). Exploring cross-cultural variations in visual attention patterns inside and outside national borders using immersive virtual reality. *Scientific Reports*, 13(1), Article 18852. <https://doi.org/10.1038/s41598-023-46103-1>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Nazzari, D., Genser, J. A., Sistani, M., Bartmann, M. G., Cartoixà, X., Rurali, R., Weber, W. M., & Lugstein, A. (2023). Reliably straining suspended van der Waals heterostructures. *APL Materials*, 11(11), Article 111123. <https://doi.org/10.1063/5.0166460>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rehm, C., Lippert, K., Indra, A., Kolarevic, S., Kracun-Kolarevic, M., Leopold, M., Steinbacher, S., Schachner-Gröhs, I., Campostrini, L., Risslegger, A., Farnleitner, A., Kolm, C., & Kirschner, A. (2023). First report on the occurrence of *Vibrio cholerae* nonO1/nonO139 in natural and artificial lakes and ponds in Serbia: Evidence for a long-distance transfer of strains and the presence of *Vibrio paracholerae*. *Environmental Microbiology Reports*, 15(2), 142–152. <https://doi.org/10.1111/1758-2229.13136>

[Link](#)

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Csontosová, D., Chaloupka, J., Shinaoka, H., Hariki, A., & Kuneš, J. (2023). Hidden covalent insulator and spin excitations in SrRu2O6. *Physical Review B*, 108(19), Article 195137. <https://doi.org/10.1103/PhysRevB.108.195137>

[Link](#)

103 Physik, Astronomie

Herzberger, L., Hadwiger, M., Krüger, R., Sorger, P. K., Pfister, H., Gröller, E., & Beyer, J. (2024). Residency Octree: a hybrid approach for scalable web-based multi-volume rendering. *IEEE Transactions on Visualization and Computer Graphics*, 30(1), 1380–1390. <https://doi.org/10.34726/5408>

[Link](#)

102 Informatik

Ramaswamy, K., Johnson, R. L., Winter, S. D., Worthy, H. L., Thomas, C., Humer, D. C., Spadiut, O., Hindson, S. H., Wells, S., Barratt, A. H., Menzies, G., Pudney, C. R., & Jones, D. D. (2023). Glycosylation increases active site rigidity leading to improved enzyme stability and turnover. *FEBS Journal*, 290(15), 3812–3827. <https://doi.org/10.1111/febs.16783>

[Link](#)

209 Industrielle Biotechnologie

Monteiro, S., Machado-Moreira, B., Linke, R., Blanch, A. R., Ballesté, E., Méndez, J., Maunula, L., Oristo, S., Stange, C., Tieh, A., Farnleitner, A., Santos, R., & García-Aljaro, C. (2023). Performance of bacterial and mitochondrial qPCR source tracking methods: A European multi-center study. *International Journal of Hygiene and Environmental Health*, 253, 114241. <https://doi.org/10.1016/j.ijheh.2023.114241>

[Link](#)

106 Biologie

Cho, J., Pember, M., & Szewieczek, G. (2023). Constrained elastic curves and surfaces with spherical curvature lines. *Indiana University Mathematics Journal*, 72(5), 2059–2099. <https://doi.org/10.1512/iumj.2023.72.9487>

[Link](#)

101 Mathematik

103 Physik, Astronomie

MacLucas, T., Grützmacher, P., Husmann, S., Schmauch, J., Keskin, S., Suarez, S., Presser, V., Gachot, C., & Mücklich, F. (2023). Degradation analysis of tribologically loaded carbon nanotubes and carbon onions. *Npj Materials Degradation*, 7, Article 31. <https://doi.org/10.1038/s41529-023-00346-5>

[Link](#)

205 Werkstofftechnik

Marian, M., Zambrano, D., Rothhammer, B., Waltenberger, V., Boidi, G., Krapf, A., Merle, B., Stampfl, J., Rosenkranz, A., Gachot, C., & Grützmacher, P. (2023). Combining multi-scale surface texturing and DLC coatings for improved tribological performance of 3D printed polymers. *Surface and Coatings Technology*, 466, Article 129682. <https://doi.org/10.1016/j.surfcoat.2023.129682>

[Link](#)

203 Maschinenbau

Spitz, D., Boguslavski, K., & Berges, J. (2023). Probing universal dynamics with topological data analysis in a gluonic plasma. *Physical Review D*, 108(5), Article 056016. <https://doi.org/10.1103/PhysRevD.108.056016>

[Link](#)

103 Physik, Astronomie

Grützmacher, P., Cutini, M., Marquis, E., Rodríguez Ripoll, M., Riedl, H., Kutrowatz, P., Bug, S., Hsu, C.-J., Bernardi, J., Gachot, C., Erdemir, A., & Righi, M. (2023). Se Nanopowder Conversion into Lubricious 2D Selenide Layers by Tribochemical Reactions (Adv. Mater. 42/2023). *Advanced Materials*, 35(42), Article 2370300. <https://doi.org/10.1002/adma.202370300>

[Link](#)

203 Maschinenbau

Farkas, B., Klausner, L. D., & Lischka, M. (2023). More on halfway new cardinal characteristics. *Journal of Symbolic Logic*, 1–16. <https://doi.org/10.1017/jsl.2023.62>

[Link](#)

101 Mathematik

Naseer, M., Prabakaran, B. S., Hasan, O., & Shafique, M. (2023). UnbiasedNets: a dataset diversification framework for robustness bias alleviation in neural networks. *Machine Learning*. <https://doi.org/10.1007/s10994-023-06314-z>

[Link](#)

102 Informatik

Khudaiberdiev, D., Kvon, Z. D., Entin, M. V., Kozlov, D. A., Mikhailov, N. N., & Ryzhkov, M. (2023).

Mesoscopic conductance fluctuations in 2D HgTe semimetal. *Nanomaterials*, 13(21), Article 2882. <https://doi.org/10.3390/nano13212882>

[Link](#)

103 Physik, Astronomie

Kirchhof, J. N., Yu, Y., Yagodkin, D., Stetzuhn, N., de Araújo, D. B., Kanellopoulos, K., Manas-Valero, S., Coronado, E., van der Zant, H., Reich, S., Schmid, S., & Bolotin, K. I. (2023). Nanomechanical absorption spectroscopy of 2D materials with femtowatt sensitivity. *2D Materials*, 10(3), Article 035012. <https://doi.org/10.1088/2053-1583/acd0bf>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bešić, H., Demir, A., Steurer, J., Luhmann, N., & Schmid, S. (2023). Schemes for Tracking Resonance Frequency for Micro- and Nanomechanical Resonators. *Physical Review Applied*, 20(2), Article 024023. <https://doi.org/10.1103/PhysRevApplied.20.024023>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Panagiotou, K., Ramzews, L., & Stufler, B. (2023). Exact-Size Sampling of Enriched Trees in Linear Time. *SIAM Journal on Computing*, 52(5), 1097–1131. <https://doi.org/10.1137/21M1459733>

[Link](#)

101 Mathematik

102 Informatik

Avramescu, D., Baran, V., Greco, V., Ipp, A., David Müller, & Ruggieri, M. (2023). Simulating jets and heavy quarks in the glasma using the colored particle-in-cell method. *Physical Review D*, 107(11), 114021-1-114021–114030. <https://doi.org/10.1103/PhysRevD.107.114021>

[Link](#)

103 Physik, Astronomie

Matheja, C., Pagel, J., & Zuleger, F. (2023). A Decision Procedure for Guarded Separation Logic Complete Entailment Checking for Separation Logic with Inductive Definitions. *ACM Transactions on Computational Logic*, 24(1), 1–76. <https://doi.org/10.1145/3534927>

[Link](#)

101 Mathematik

102 Informatik

Soldà, D., Fabiano, F., & Dovier, A. (2023). ECHO: A hierarchical combination of classical and multi-agent epistemic planning problems. *Journal of Logic and Computation*, 33(8), 1804–1831. <https://doi.org/10.1093/logcom/exad036>

[Link](#)

101 Mathematik

102 Informatik

Grützmacher, P., Neuhauser, R., Stagel, K., Schröder, K., Boidi, G., Gachot, C., & Rosenkranz, A. (2023). Combining Tailored Ionic Liquids with Ti3C2T_x MXenes for an Enhanced Load-Carrying Capacity Under Boundary Lubrication. *Advanced Engineering Materials*, Article 2300721. <https://doi.org/10.34726/5362>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Killinger, M., Kratochvilova, A., Reihls, I. E., Matalova, E., Kleparnik, K., & Rothbauer, M. (2023). Microfluidic device for enhancement and analysis of osteoblast differentiation in three-dimensional cell cultures. *Journal of Biological Engineering*, 17, Article 77. <https://doi.org/10.1186/s13036-023-00395-z>

[Link](#)

104 Chemie
204 Chemische Verfahrenstechnik
301 Medizinisch-theoretische Wissenschaften, Pharmazie

Müller, S., & Schlicht, P. (2023). Uniformization and internal absoluteness. *Proceedings of the American Mathematical Society*, 151(7), 3089–3102. <https://doi.org/10.1090/proc/16155>

[Link](#)

101 Mathematik

Eagle, C. J., Hamel, C., Müller, S., & Tall, F. D. (2023). An undecidable extension of Morley's theorem on the number of countable models. *Annals of Pure and Applied Logic*, 174(9), Article 103317. <https://doi.org/10.1016/j.apal.2023.103317>

[Link](#)

101 Mathematik

Lücke, P., & Müller, S. (2023). Σ_1 -definability at higher cardinals: Thin sets, almost disjoint families and long well-orders. *Forum of Mathematics, Sigma*, 11, Article e103. <https://doi.org/10.1017/fms.2023.102>

[Link](#)

101 Mathematik

Atanasova, L., Marchetti-Deschmann, M., Nemes, A., Bruckner, B., Rehulka, P., Stralis-Pavese, N., Labaj, P., Kreil, D. P., & Zeilinger, S. (2023). Mycoparasitism related targets of Tmk1 indicate stimulating regulatory functions of this MAP kinase in *Trichoderma atroviride*. *Scientific Reports*, 13, Article 19976. <https://doi.org/10.1038/s41598-023-47027-6>

[Link](#)

104 Chemie
106 Biologie

Pavicich, M. A., De Boevre, M., Vidal, A., Mikula, H., Warth, B., Marko, D., De Saeger, S., & Patriarca, A. (2023). Natural Occurrence, Exposure Assessment & Risk Characterization of *Alternaria* Mycotoxins in Apple By-Products in Argentina. *Exposure and Health*. <https://doi.org/10.1007/s12403-023-00544-1>

[Link](#)

104 Chemie
211 Andere Technische Wissenschaften

Rašková, M., Perutka, Z., Marchetti-Deschmann, M., & Šebela, M. (2024). Quantification of thaumatin-like proteins in white wine using MALDI-TOF mass spectrometry. *European Food Research and Technology*, 250(1), 69–81. <https://doi.org/10.1007/s00217-023-04366-y>

[Link](#)

104 Chemie

Ferracane, A., Manousi, N., Kabir, A., Furton, K. G., Mondello, A., Tranchida, P. Q., Zachariadis, G. A., Samanidou, V. F., Mondello, L., & Rosenberg, E. E. (2024). Dual sorbent coating based magnet-integrated fabric phase sorptive extraction as a front-end to gas chromatography-mass spectrometry for multi-class pesticide determination in water samples. *Science of the Total Environment*, 906, Article 167353. <https://doi.org/10.1016/j.scitotenv.2023.167353>

[Link](#)

104 Chemie

Kalogiouri, N., Ferracane, A., Manousi, N., Zachariadis, G., Tranchida, P. Q., Mondello, L., Samanidou, V. F., & Rosenberg, E. (2024). A volatilomics analytical protocol employing solid phase microextraction coupled to GC × GC-MS analysis and combined with multivariate chemometrics for the detection of pomegranate juice adulteration. *Talanta*, 266(Pt 2), Article 125027. <https://doi.org/10.1016/j.talanta.2023.125027>

[Link](#)

104 Chemie

Manousi, N., Ferracane, A., Kalogiouri, N., Kabir, A., Furton, K. G., Tranchida, P. Q., Zachariadis, G. A., Mondello, L., Samanidou, V. F., & Rosenberg, E. (2023). Design and development of second-generation fabric phase sorptive extraction membranes: Proof-of-concept for the extraction of organophosphorus pesticides from apple juice prior to GC-MS analysis. *Food Chemistry*, 424, Article 136423. <https://doi.org/10.1016/j.foodchem.2023.136423>

[Link](#)

104 Chemie

211 Andere Technische Wissenschaften

401 Land- und Forstwirtschaft, Fischerei

MANOUSHI, N., Kalogiouri, N., Ferracane, A., ZACHARIADIS, G., SAMANIDOU, V. F., Tranchida, P. Q., Mondello, L., & Rosenberg, E. (2023). Solid-phase microextraction Arrow combined with comprehensive two-dimensional gas chromatography-mass spectrometry for the elucidation of the volatile composition of honey samples. *Analytical and Bioanalytical Chemistry*, 415(13), 2547–2560. <https://doi.org/10.1007/s00216-023-04513-0>

[Link](#)

104 Chemie

Janovszky, P., Kéri, A., Palásti, D. J., Brunnbauer, L., Domoki, F., Limbeck, A., & Galbács, G. (2023). Quantitative elemental mapping of biological tissues by laser-induced breakdown spectroscopy using matrix recognition. *Scientific Reports*, 13, Article 10089. <https://doi.org/10.1038/s41598-023-37258-y>

[Link](#)

104 Chemie

Willner, J., Brunnbauer, L., Quarles, C. D., Nelhiebel, M., Larisegger, S., & Limbeck, A. (2023). Development of a simultaneous LA-ICP-MS & LIBS method for the investigation of polymer degradation. *Journal of Analytical Atomic Spectrometry*, 38(10), 2028–2037. <https://doi.org/10.1039/D3JA00237C>

[Link](#)

104 Chemie

Berestycki, N., Lis, M., & Qian, W. (2023). Free boundary dimers: random walk representation and scaling limit. *Probability Theory and Related Fields*, 186(3–4), 735–812. <https://doi.org/10.1007/s00440-023-01203-x>

[Link](#)

101 Mathematik

Limmer, S., Varga, J., & Raidl, G. (2023). Large neighborhood search for electric vehicle fleet scheduling. *Energies*, 16(12), Article 4576. <https://doi.org/10.3390/en16124576>

[Link](#)

101 Mathematik

102 Informatik

Khamis, M. A., Ngo, H. Q., Pichler, R., Suci, D., & Wang, Y. R. (2023). Convergence of datalog over (pre-)semirings. *SIGMOD RECORD*, 52(1), 75–82. <https://doi.org/10.1145/3604437.3604454>

[Link](#)

101 Mathematik

102 Informatik

Zhang, B., Lu, S., Rabiey, M., Axinte, D., & Bleicher, F. (2023). Grinding of composite materials. *CIRP ANNALS-MANUFACTURING TECHNOLOGY*, 72(2), 645–671. <https://doi.org/10.1016/j.cirp.2023.05.001>

[Link](#)

203 Maschinenbau

Bleicher, F., Biermann, D., Drossel, W.-G., Moehring, H.-C., & Altintas, Y. (2023). Sensor and actuator integrated tooling systems. *CIRP ANNALS-MANUFACTURING TECHNOLOGY*, 72(2), 673–696. <https://doi.org/10.1016/j.cirp.2023.05.009>

[Link](#)

203 Maschinenbau

Pourhoseinian, M., Asasian Kolor, N., & Sharifian, S. (2024). Comparative computational fluid dynamics analysis of fast pyrolysis of agricultural feedstocks across different biomass categories. *BIOMASS & BIOENERGY*, 180, Article 107026. <https://doi.org/10.1016/j.biombioe.2023.107026>

[Link](#)

102 Informatik

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Stampfl, J., Schwentenwein, M., Homa, J., & Prinz, F. B. (2023). Lithography-based additive manufacturing of ceramics: Materials, applications and perspectives. *MRS Communications*, 13(5), 786–794. <https://doi.org/10.1557/s43579-023-00444-0>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Bergmann, E., Bassi Lukasiewicz, G. V., Lendl, B., Sampaio, A. R., Zanuto, V. S., Baesso, M. L., Malacarne, L. C., & Astrath, N. G. C. (2023). Optoacoustic detection of nanosecond time scale photoinduced lensing effects in liquids. *Journal of Applied Physics*, 134(16), Article 165103. <https://doi.org/10.1063/5.0172822>

[Link](#)

103 Physik, Astronomie

104 Chemie

Cannizzaro, G., Erhard, D., & Toninelli, F. (2023). Weak coupling limit of the Anisotropic KPZ equation. *Duke Mathematical Journal*, 172(16), 3013–3104. <https://doi.org/10.1215/00127094-2022-0094>

[Link](#)

101 Mathematik

102 Informatik

502 Wirtschaftswissenschaften

Maskova-Cerna, S., Bauer, E., Giovannini, M., & Havela, L. (2023). Heavy-Fermion Properties of $\text{Yb}_2\text{Pd}_2\text{SnH}_2$. *Inorganics*, 11(10), Article 414. <https://doi.org/10.3390/inorganics11100414>

[Link](#)

103 Physik, Astronomie

Salamakha, L., Sologub, O., Stöger, B., Michor, H., Rogl, P., & Bauer, E. (2023). Novel borides of the boron filled β -Mn-type structure. *Journal of Alloys and Compounds*, 955, Article 170214. <https://doi.org/10.1016/j.jallcom.2023.170214>

[Link](#)

103 Physik, Astronomie

Garmroudi, F., Parzer, M., Knopf, M., Riss, A., Michor, H., Ruban, A. V., Mori, T., & Bauer, E. (2023). Unveiling the structure-property relationship in metastable Heusler compounds by systematic disorder tuning. *Physical Review B*, 107(1), Article 014108. <https://doi.org/10.1103/PhysRevB.107.014108>

[Link](#)

103 Physik, Astronomie

Salamakha, L., Solohub, O., Stöger, B., Michor, H., Bauer, E., Rogl, P., & Mudry, S. (2023). Electronic

and structural properties of Y6Pt13X4, site occupancy variants of the Ba6Na16N subnitride (X = Al, Ga). Dalton Transactions, 52(18), 6085–6096. <https://doi.org/10.1039/d3dt00292f>

[Link](#)

103 Physik, Astronomie

Kaufmann, D., & Biere, A. (2023). Improving AMulet2 for verifying multiplier circuits using SAT solving and computer algebra. International Journal on Software Tools for Technology Transfer, 25(2), 133–144. <https://doi.org/10.1007/s10009-022-00688-6>

[Link](#)

102 Informatik

Shehaj, E., Frey, O., Möller, G., Strozzi, T., Geiger, A., & Rothacher, M. (2023). On the Consistency of Tropospheric Delays Over Mountainous Terrain Retrieved From Persistent Scatterer Interferometry, GNSS, and Numerical Weather Prediction Models. IEEE Transactions on Geoscience and Remote Sensing, 62, 1–18. <https://doi.org/10.1109/TGRS.2023.3344277>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hu, J., Jiang, H., Liu, D., Xiao, Z., Dustdar, S., & Liu, J. (2024). A Wireless Self-Service System for Library Using Commodity RFID Devices. IEEE Internet of Things Journal, 11(3), 4998–5010. <https://doi.org/10.1109/JIOT.2023.3301462>

[Link](#)

102 Informatik

Zain, G., Ruppitsch, L. A., Koch, T., Svajdlenkova, H., Liska, R., & Mosnáček, J. (2023). Investigation of polymer networks for dental fillings formed by photochemically induced atom transfer radical polymerization of bifunctional methacrylates. ACS Applied Polymer Materials, 5(12), 10158–10169. <https://doi.org/10.1021/acsapm.3c01973>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Wind, L., Behrle, R., den Hertog, M. I., Murphey, C. G. E., Cahoon, J. F., Sistani, M., & Weber, W. M. (2024). Nanoscale Reconfigurable Si Transistors: From Wires to Sheets and Unto Multi-Wire Channels. Advanced Electronic Materials, 10(2), Article 2300483. <https://doi.org/10.1002/aelm.202300483>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Murray, B. A., Coops, N. C., Winiwarter, L. G., White, J. C., Dick, A., Barbeito, I., & Ragab, A. (2024). Estimating tree species composition from airborne laser scanning data using point-based deep learning models. ISPRS Journal of Photogrammetry and Remote Sensing, 207, 282–297. <https://doi.org/10.1016/j.isprs.2023.12.008>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hofstätter, G., & Knörr, J. (2023). Equivariant endomorphisms of convex functions. Journal of Functional Analysis, 285(1), Article 109922. <https://doi.org/10.1016/j.jfa.2023.109922>

[Link](#)

101 Mathematik

Schwaighofer, M., Königsberger, M., & Pichler, B. L. A. (2023). Effect of Hydrate Failure in ITZs on the

Initiation of Prepeak Nonlinearities of Concrete under Multiaxial Compression. *Journal of Engineering Mechanics*, 149(1), Article 04022098. [https://doi.org/10.1061/\(ASCE\)EM.1943-7889.0002165](https://doi.org/10.1061/(ASCE)EM.1943-7889.0002165)

[Link](#)

201 Bauwesen

Billerbeck, A., Breitschopf, B., Winkler, J., Bürger, V., Köhler, B., Bacquet, A., Popovski, E., Fallahnejad, M., Kranzl, L., & Ragwitz, M. (2023). Policy frameworks for district heating: A comprehensive overview and analysis of regulations and support measures across Europe. *Energy Policy*, 173, 113377. <https://doi.org/10.1016/j.enpol.2022.113377>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ourednik, P., Picco, G., Tuan Nguyen, D., Spudat, C., & Feiginov, M. (2023). Large-signal dynamics of resonant-tunneling diodes. *Journal of Applied Physics*, 133(1), Article 014501. <https://doi.org/10.1063/5.0134223>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bargetz, C., Nigsch, E., & Ortner, N. (2023). Projective descriptions of spaces of functions and distributions. *Mathematische Nachrichten*. <https://doi.org/10.1002/mana.202100526>

[Link](#)

101 Mathematik

Schmidbauer, C., Zafari, S., Hader, B., & Schlund, S. (2023). An Empirical Study on Workers' Preferences in Human–Robot Task Assignment in Industrial Assembly Systems. *IEEE Transactions on Human-Machine Systems*, 1–10. <https://doi.org/10.1109/THMS.2022.3230667>

[Link](#)

102 Informatik

203 Maschinenbau

502 Wirtschaftswissenschaften

Vida, C., Lukacevic, M., Hochreiner, G., & Füssl, J. (2023). Size Effect on Bending Strength of Glued Laminated Timber Predicted by a Numerical Simulation Concept Including Discrete Cracking. *Materials & Design*, 225, Article 111550. <https://doi.org/10.1016/j.matdes.2022.111550>

[Link](#)

201 Bauwesen

Comploi-Taupe, R., Friedrich, G., Schekotihin, K., & Weinzierl, A. (2023). Domain-Specific Heuristics in Answer Set Programming: A Declarative Non-Monotonic Approach. *Journal of Artificial Intelligence Research*, 76, 59–114. <https://doi.org/10.1613/jair.1.14091>

[Link](#)

102 Informatik

Heinz, J., Munch, P., & Kaltenbacher, M. (2023). High-Order Non-Conforming Discontinuous Galerkin Methods for the Acoustic Conservation Equations. *International Journal for Numerical Methods in Engineering*. <https://doi.org/10.1002/nme.7199>

[Link](#)

101 Mathematik

102 Informatik

203 Maschinenbau

Marko, L., Kugi, A., & Steinböck, A. (2023). Automatic crossbow control in industrial hot-dip galvanizing lines. *Journal of Process Control*, 122, 147–158. <https://doi.org/10.1016/j.jprocont.2023.01.002>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Weingartshofer, T., Bischof, B., Meiringer, M., Hartl-Nesic, C., & Kugi, A. (2023). Optimization-based path planning framework for industrial manufacturing processes with complex continuous paths. *Robotics and Computer-Integrated Manufacturing*, 82, Article 102516. <https://doi.org/10.1016/j.rcim.2022.102516>
[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Iglseder, A., Immitzer, M., Dostálová, A., Kasper, A., Pfeifer, N., Bauerhansl, C., Schöttl, S., & Hollaus, M. (2023). The potential of combining satellite and airborne remote sensing data for habitat classification and monitoring in forest landscapes. *International Journal of Applied Earth Observation and Geoinformation*, 117, Article 103131. <https://doi.org/10.1016/j.jag.2022.103131>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Svozil, K. (2023). Functional Epistemology “Nullifies” Dyson’s Rebuttal of Perturbation Theory. *Axioms*, 12(1), Article 72. <https://doi.org/10.34726/3401>

[Link](#)

101 Mathematik

103 Physik, Astronomie

Teichmann, F., Kirchengast, I., & Korjenic, A. (2023). Cross-School Collaboration to Develop and Implement Self-Construction Greening Systems for Schools. *Plants*, 12(2), Article 327. <https://doi.org/10.3390/plants12020327>

[Link](#)

201 Bauwesen

Reinbold, J., Boiadjieva-Scherzer, T., Stache Heiko, Vengudusamy, B., & Fafilek, G. (2023). Temperature effects in hydrogen permeation measurements under lubricated sliding conditions. *Tribology International*, 180, 108214. <https://doi.org/10.1016/j.triboint.2023.108214>

[Link](#)

104 Chemie

Franceschi, G., Kocán, P., Conti, A., Brandstetter, S., Balajka, J., Sokolovic, I., Valtiner, M., Mittendorfer, F., Schmid, M., Setvín, M., & Diebold, U. (2023). Resolving the intrinsic short-range ordering of K⁺ ions on cleaved muscovite mica. *Nature Communications*, 14, Article 208. <https://doi.org/10.1038/s41467-023-35872-y>

[Link](#)

103 Physik, Astronomie

Levajkovic, T., & Messer, M. (2023). Multiscale change point detection via gradual bandwidth adjustment in moving sum processes. *Electronic Journal of Statistics*, 17(1), 70–101. <https://doi.org/10.1214/22-EJS2101>

[Link](#)

101 Mathematik

Fenton, J., Huber, B., Klasz, G., & Krouzecky, N. (2023). Ship waves in rivers: Environmental criteria and analysis methods for measurements. *River Research and Applications*, 39(4), 629–647. <https://doi.org/10.1002/rra.4101>

[Link](#)

101 Mathematik

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

- Widhalm, D., Goeschka, K. M., & Kastner, W. (2023). A Review on Immune-Inspired Node Fault Detection in Wireless Sensor Networks with a Focus on the Danger Theory. *Sensors*, 23(3), Article 1166. <https://doi.org/10.3390/s23031166>
[Link](#)
102 Informatik
106 Biologie
- Rudatis, P., Hrubesch, J., Kremshuber, S., Apaydin, D. H., & Eder, D. (2023). Enhanced Oxygen Evolution Reaction Activity in Hematite Photoanodes: Effect of Sb-Li Co-Doping. *ACS Omega*, 8(2), 2027–2033. <https://doi.org/10.1021/acsomega.2c05241>
[Link](#)
103 Physik, Astronomie
104 Chemie
205 Werkstofftechnik
- Konrad, J., Bernt, A.-O., & Hofmann, P. (2023). Life cycle assessment of MHP (Mobile Hydrogen Powersupply), an off-grid system to charge battery electric vehicles. *International Journal of Life Cycle Assessment*, 1–16. <https://doi.org/10.1007/s11367-022-02122-0>
[Link](#)
202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau
207 Umweltingenieurwesen, Angewandte Geowissenschaften
- Hammerschmid, M., Aguiari, C., Kirnbauer, F., Zerobin, E., Brenner, M., Eisl, R., Nemeth, J., Buchberger, D., Ogris, G., Kolroser, R., Goia, A., Beyweiss, R., Kalch, K., Müller, S., & Hofbauer, H. (2023). Thermal Twin 4.0: Digital Support Tool for Optimizing Hazardous Waste Rotary Kiln Incineration Plants. *Waste and Biomass Valorization*. <https://doi.org/10.1007/s12649-022-02028-w>
[Link](#)
102 Informatik
204 Chemische Verfahrenstechnik
207 Umweltingenieurwesen, Angewandte Geowissenschaften
- Steineder, M., & Hofko, B. (2023). Assessing the impact of filler properties, moisture, and aging regarding fatigue resistance of asphalt mastic. *Road Materials and Pavement Design*. <https://doi.org/10.1080/14680629.2023.2172066>
[Link](#)
201 Bauwesen
- Ferrara, A., Jakubek, S., & Hametner, C. (2023). Cost-optimal design and energy management of fuel cell electric trucks. *International Journal of Hydrogen Energy*. <https://doi.org/10.1016/j.ijhydene.2023.01.110>
[Link](#)
203 Maschinenbau
- Du, Z. P., Steindl, C., Jakubek, S., & Hametner, C. (2023). Concentration Estimation for Fuel Cells: Design of Experiments, Nonlinear Identification, and Observer Design With Experimental Validation. *IEEE Access*, 11, 10453–10470. <https://doi.org/10.1109/ACCESS.2023.3241227>
[Link](#)
203 Maschinenbau
- Bryan, P., Ivaki, M. N., & Scheuer, J. (2023). Constant rank theorems for curvature problems via a viscosity approach. *Calculus of Variations and Partial Differential Equations*, 62. <https://doi.org/10.1007/s00526-023-02442-5>
[Link](#)
101 Mathematik

Semlitsch, B. (2023). Boundary conditions to represent the wave impedance characteristics of axial compressors. *Applied Acoustics*, 204, Article 109236. <https://doi.org/10.1016/j.apacoust.2023.109236>

[Link](#)

203 Maschinenbau

Hofbauer, C., Serna-Loaiza, S., Irmgard Windisch, Scolari, L., Koyun, A. N., Zelaya-Lainez, L., Füssl, J., Grothe, H., Hirn, U., Friedl, A., & Harasek, M. (2023). Comparison of coupled chemical pretreatment and mechanical refining of spruce sawdust: fiber network properties and initial production of lignin-bonded biocomposites. *Biomass Conversion and Biorefinery*. <https://doi.org/10.1007/s13399-023-03796-8>

[Link](#)

201 Bauwesen

204 Chemische Verfahrenstechnik

205 Werkstofftechnik

Streit, E., Liberto, T., Kirchengast, I., & Korjenic, A. (2023). Mechanische Aktivierung von Lehm. *Bauphysik*, 45(1), 35–43. <https://doi.org/10.1002/bapi.202200031>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Leroch, S., Eder, S., Varga, M., & Rodríguez Ripoll, M. (2023). Material point simulations as a basis for determining Johnson–Cook hardening parameters via instrumented scratch tests. *International Journal of Solids and Structures*, 267, Article 112146. <https://doi.org/10.34726/3547>

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

211 Andere Technische Wissenschaften

Torres, H., Pichelbauer, K., Budnyk, S., Schachinger, T., Gachot, C., & Rodríguez Ripoll, M. (2023). A Ni-Bi self-lubricating Ti6Al4V alloy for high temperature sliding contacts. *Journal of Alloys and Compounds*, 944, Article 169216. <https://doi.org/10.1016/j.jallcom.2023.169216>

[Link](#)

103 Physik, Astronomie

104 Chemie

210 Nanotechnologie

Gruber, M. R., Hofko, B., Hoffmann, M., Stinglmayr, D., Seifried, T., & Grothe, H. (2023). Deicing performance of common deicing agents for winter maintenance with and without corrosion-inhibiting substances. *Cold Regions Science and Technology*, 208, Article 103795. <https://doi.org/10.1016/j.coldregions.2023.103795>

[Link](#)

104 Chemie

201 Bauwesen

Goll, B., Schneider-Hornstein, K., & Zimmermann, H. (2023). Dot PIN Photodiodes With a Capacitance Down to 1.14 aF/ μm^2 . *IEEE Photonics Technology Letters*, 35(6), 301–304. <https://doi.org/10.1109/LPT.2023.3242047>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

St. John, S., Alberts, M., Karandikar, J., Coble, J., Jared, B., Schmitz, T. L., Ramsauer, C., Leitner, D., & Khojandi, A. (2023). Predicting chatter using machine learning and acoustic signals from low-cost microphones. *The International Journal of Advanced Manufacturing Technology*. <https://doi.org/10.1007/s00170-023-10918-z>

[Link](#)

102 Informatik
203 Maschinenbau
205 Werkstofftechnik

Tomasich, J., Beisl, S., & Harasek, M. (2023). Production and Characterisation of Pickering Emulsions Stabilised by Colloidal Lignin Particles Produced from Various Bulk Lignins. *Sustainability*, 15(4), Article 3693. <https://doi.org/10.3390/su15043693>

[Link](#)

106 Biologie
204 Chemische Verfahrenstechnik
209 Industrielle Biotechnologie

Babor, L., & Kuhlmann, H. C. (2023). Lagrangian transport in the time-periodic two-dimensional lid-driven square cavity. *Physics of Fluids*, 35(3), 1–21. <https://doi.org/10.1063/5.0141321>

[Link](#)

101 Mathematik
103 Physik, Astronomie
203 Maschinenbau

Zehetbauer, F., Edelmann, J., & Plöchl, M. (2023). A minimal model to study self-excited vibrations of a tram wheelset in curves with small radius of curvature. *Vehicle System Dynamics*. <https://doi.org/10.1080/00423114.2022.2139728>

[Link](#)

203 Maschinenbau

Jehn, Z., & Feiginov, M. (2023). Demonstration of Sub-THz Traveling-Wave Resonant-Tunneling-Diode Oscillators. *IEEE Transactions on Nanotechnology*, 22, 91–101. <https://doi.org/10.1109/TNANO.2023.3243462>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hüpfl, J., Bachelard, N., Kaczvinszki, M., Horodyski, M., Kühmayer, M., & Rotter, S. (2023). Optimal Cooling of Multiple Levitated Particles through Far-Field Wavefront Shaping. *Physical Review Letters*, 130(8), 083203-1-083203–083207. <https://doi.org/10.1103/PhysRevLett.130.083203>

[Link](#)

103 Physik, Astronomie

Hüpfl, J., Bachelard, N., Kaczvinszki, M., Horodyski, M., Kühmayer, M., & Rotter, S. (2023). Optimal cooling of multiple levitated particles: Theory of far-field wavefront shaping. *Physical Review A*, 107(2), 023112-1-023112–023118. <https://doi.org/10.1103/PhysRevA.107.023112>

[Link](#)

103 Physik, Astronomie

Hofer, K., Werkovits, S., Schönauer, P., Mirwald, J., Grothe, H., & Hofko, B. (2023). Chemical and mechanical analysis of field and laboratory aged bitumen. *Road Materials and Pavement Design*. <https://doi.org/10.1080/14680629.2023.2180297>

[Link](#)

104 Chemie
201 Bauwesen

Tubeuf, C., Birkelbach, F., Maly, A., & Hofmann, R. (2023). Increasing the Flexibility of Hydropower with Reinforcement Learning on a Digital Twin Platform. *Energies*, 16(4), Article 1796. <https://doi.org/10.3390/en16041796>

[Link](#)

203 Maschinenbau

Stacherl, B., Renner, A.-T., & Weber, D. (2023). Financial incentives and antibiotic prescribing patterns: Evidence from dispensing physicians in a public healthcare system. *Social Science & Medicine*, 321, Article 115791. <https://doi.org/10.1016/j.socscimed.2023.115791>

[Link](#)

303 Gesundheitswissenschaften

502 Wirtschaftswissenschaften

Meiringer, M., Kugi, A., & Kemmetmüller, W. (2023). Modelling and calibration of a five link elastic boom of a mobile concrete pump. *Mathematical and Computer Modelling of Dynamical Systems*, 29(1), 41–68. <https://doi.org/10.1080/13873954.2023.2177311>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Landauer, J., Kugi, A., & Steinböck, A. (2023). Mathematical modelling of an electrostatic oiling machine for steel strips. *Mathematical and Computer Modelling of Dynamical Systems*, 29(1), 69–94. <https://doi.org/10.1080/13873954.2023.2178466>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schwarzmayr, P., Birkelbach, F., Walter, H., & Hofmann, R. (2023). Standby efficiency and thermocline degradation of a packed bed thermal energy storage: An experimental study. *Applied Energy*, 337, Article 120917. <https://doi.org/10.1016/j.apenergy.2023.120917>

[Link](#)

203 Maschinenbau

Schörkhuber, D., Popp, R., Chistov, O., Windbacher, F., Hödlmoser, M., & Gelautz, M. (2023). Design of an automotive platform for computer vision research. *Journal of Electronic Imaging*, 35(16), 119-1-119–6. <https://doi.org/10.2352/EI.2023.35.16.AVM-119>

[Link](#)

101 Mathematik

102 Informatik

Gruber, M. R., & Hofko, B. (2023). Life Cycle Assessment of Greenhouse Gas Emissions from Recycled Asphalt Pavement Production. *Sustainability*, 15(5), Article 4629. <https://doi.org/10.3390/su15054629>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Halát, G., Negrin, L., Hoppe, P. L., Unger, E., Koch, T., Hirtler, L., & Hajdu, S. (2023). A suture anchor-based repair technique for type IV jersey finger injuries: a biomechanical investigation. *Scientific Reports*, 13, Article 3493. <https://doi.org/10.1038/s41598-023-30373-w>

[Link](#)

205 Werkstofftechnik

206 Medizintechnik

302 Klinische Medizin

Tupas, M. E., Roth, F., Bauer-Marschallinger, B., & Wagner, W. (2023). An Intercomparison of Sentinel-1 Based Change Detection Algorithms for Flood Mapping. *Remote Sensing*, 15(5), Article 1200. <https://doi.org/10.3390/rs15051200>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Jacob, A. A. F., Povoden-Karadeniz, E., Retzl, P., & Kozeschnik, E. (2023). Reassessment of low-temperature Gibbs energies of BCC and FCC in steel for T0-temperature evaluation. *Calphad*, 81, Article 102531. <https://doi.org/10.1016/j.calphad.2023.102531>

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Kocbay, E., Scheidl, J., Riegler, F., Leonhartsberger, M., Lamprecht, M., & Vetyukov, Y. (2023). Mixed Eulerian–Lagrangian modeling of sheet metal roll forming. *Thin-Walled Structures*, 186, Article 110662. <https://doi.org/10.1016/j.tws.2023.110662>

[Link](#)

203 Maschinenbau

Hauser, M. F., Zimmermann, H., & Hofbauer, M. (2023). Indirect Time-of-Flight with GHz Correlation Frequency and Integrated SPAD Reaching Sub-100 μm Precision in 0.35 μm CMOS. *Sensors*, 23(5), Article 2733. <https://doi.org/10.3390/s23052733>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rabl, H., Myakala, S. N., Rath, J., Fickl, B., Schubert, J. S., Apaydin, D. H., & Eder, D. (2023). Microwave-assisted synthesis of metal-organic chalcogenolate assemblies as electrocatalysts for syngas production. *Communications Chemistry*, 6, Article 43. <https://doi.org/10.1038/s42004-023-00843-3>

[Link](#)

104 Chemie
205 Werkstofftechnik
210 Nanotechnologie

Goll, B., Schneider-Hornstein, K., & Zimmermann, H. (2023). Ultra-Low Capacitance Spot PIN Photodiodes. *IEEE Photonics Journal*, 15(2), Article 6800906. <https://doi.org/10.1109/JPHOT.2023.3251893>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Keck, S., Liske, O., Seidler, K., Steyrer, B., Gorsche, C., Knaus, S., & Baudis, S. (2023). Synthesis of a Liquid Lignin-Based Methacrylate Resin and Its Application in 3D Printing without Any Reactive Diluents. *Biomacromolecules*. <https://doi.org/10.1021/acs.biomac.2c01505>

[Link](#)

104 Chemie
203 Maschinenbau
205 Werkstofftechnik

Hahn, F. J. J., Maly, A., Semlitsch, B., & Bauer, C. (2023). Numerical Investigation of Pelton Turbine Distributor Systems with Axial Inflow. *Energies*, 16(6), Article 2737. <https://doi.org/10.3390/en16062737>

[Link](#)

203 Maschinenbau

Poks, A., Fallmann, M., Fink, L. F., Rinnofner, L., & Kozek, M. (2023). Fault detection and isolation for a secondary loop refrigeration system. *Applied Thermal Engineering*, 227, Article 120277. <https://doi.org/10.1016/j.applthermaleng.2023.120277>

[Link](#)

101 Mathematik
201 Bauwesen
202 Elektrotechnik, Elektronik, Informationstechnik

Retscher, G., Kiss, D., & Gabela Majic, J. (2023). Fusion of GNSS Pseudoranges with UWB Ranges Based on Clustering and Weighted Least Squares. *Sensors*, 23(6), Article 3303. <https://doi.org/10.3390/s23063303>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Unterguggenberger, J., Kerbl, B., & Wimmer, M. (2023). Vulkan all the way: Transitioning to a modern low-level graphics API in academia. *Computers and Graphics*, 111, 155–165. <https://doi.org/10.1016/j.cag.2023.02.001>

[Link](#)

102 Informatik

Braun, S., Nowotny, H., Benes, E., & Gröschl, M. (2023). Layered piezoelectric structures with arbitrary acoustic termination impedances. *The Journal of the Acoustical Society of America*, 153(3), 1733–1753. <https://doi.org/10.1121/10.0017600>

[Link](#)

103 Physik, Astronomie

Corrias, M., Papa, L., Sokolovic, I., Birschitzky, V., Gorfer, A., Setvin, M., Schmid, M., Diebold, U., Reticcioli, M., & Franchini, C. (2023). Automated real-space lattice extraction for atomic force microscopy images. *Machine Learning: Science and Technology*, 4(1), Article 015015. <https://doi.org/10.1088/2632-2153/acb5e0>

[Link](#)

103 Physik, Astronomie

Ostermann, M., Schodl, J., Lieberzeit, P. A., Bilotto, P., & Valtiner, M. (2023). Lightning Strike Protection: Current Challenges and Future Possibilities. *Materials*, 16(4), Article 1743. <https://doi.org/10.3390/ma16041743>

[Link](#)

103 Physik, Astronomie

Schenk, H., Heidinger, P., Insam, H., Kreuzinger, N., Markt, R., Nägele, F., Oberacher, H., Scheffknecht, C., Steinlechner, M., Vogl, G., Wagner, A. O., & Rauch, W. (2023). Prediction of hospitalisations based on wastewater-based SARS-CoV-2 epidemiology. *Science of the Total Environment*, 873, Article 162149. <https://doi.org/10.1016/j.scitotenv.2023.162149>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

208 Umweltbiotechnologie

Kohne Poushi, S. S., Goll, B., Schneider-Hornstein, K., Hofbauer, M., & Zimmermann, H. (2023). Area and Bandwidth Enhancement of an n⁺/p-Well Dot Avalanche Photodiode in 0.35 μm CMOS Technology. *Sensors*, 23(7), Article 3403. <https://doi.org/10.3390/s23073403>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Leutgeb, J., Mager, J., & Rebhan, A. (2023). Hadronic light-by-light contribution to the muon g-2 from holographic QCD with solved U(1)_A problem. *Physical Review D*, 107(5), Article 054021. <https://doi.org/10.1103/PhysRevD.107.054021>

[Link](#)

103 Physik, Astronomie

Huppa, J., & Schütz, G. (2023). T-cell antigen recognition: catch-as-catch-can or catch-22? *EMBO Journal*, 42(7), Article e113507. <https://doi.org/10.15252/embj.2023113507>

[Link](#)

103 Physik, Astronomie

Godja, N.-C., Payrits, L., Ostermann, M., Schindel, A., Valtiner, M., & Pichler, C. (2023). Plasma electrolytic oxidation treatments for bimetallic substrates enabling sustainable procedures for automotive painting. *Surface and Coatings Technology*, 458, Article 129384. <https://doi.org/10.1016/j.surfcoat.2023.129384>

[Link](#)

103 Physik, Astronomie

Fleischer, F., Haas, F., Altmann, M., Rom, J., Ressler, C., & Becht, M. (2023). Glaciogenic Periglacial Landform in the Making—Geomorphological Evolution of a Rockfall on a Small Glacier in the Horlachtal, Stubai Alps, Austria. *Remote Sensing*, 15(6), Article 1472. <https://doi.org/10.3390/rs15061472>

[Link](#)

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Fischer, H. S., Aichholzer, M., & Korjenic, A. (2023). Ecological Potential of Building Components in Multi-Storey Residential Construction: A Comparative Case Study between an Existing Concrete and a Timber Building in Austria. *Sustainability*, 15(8), Article 6349. <https://doi.org/10.3390/su15086349>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Filipov, V., Arleo, A., & Miksch, S. (2023). Are We There Yet? A Roadmap of Network Visualization from Surveys to Task Taxonomies. *Computer Graphics Forum*. <https://doi.org/10.1111/cgf.14794>

[Link](#)

101 Mathematik

102 Informatik

Nishikawa-Pacher; Andreas. (2023). The Twitter accounts of scientific journals: a dataset. *Insights: The UKSG Journal*, 36, Article 1. <https://doi.org/10.1629/uksg.593>

[Link](#)

102 Informatik

508 Medien- und Kommunikationswissenschaften

509 Andere Sozialwissenschaften

Haubner, R., Strobl, S., & Trebsche, P. (2023). Materialographic investigations of plate slags from the Late Bronze Age copper production site of Prigglitz-Gasteil (Lower Austria). *Journal of Archaeological Science: Reports*, 48, Article 103838. <https://doi.org/10.1016/j.jasrep.2023.103838>

[Link](#)

104 Chemie

Piccolotto, N., Bögl, M., & Miksch, S. (2023). Visual Parameter Space Exploration in Time and Space. *Computer Graphics Forum*, 2023. <https://doi.org/10.1111/cgf.14785>

[Link](#)

101 Mathematik

102 Informatik

Tauber, J., Möstl, D., Vierheilig, J., Saracevic, E., Svardal, K., & Krampe, J. (2023). Biological Methanation in an Anaerobic Biofilm Reactor—Trace Element and Mineral Requirements for Stable Operation. *Processes*, 11(4), Article 1013. <https://doi.org/10.3390/pr11041013>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Filipovic, L., Baumgartner, O., Klemenschits, X., Piso, J., Bobinac, J., Reiter, T., Strof, G., Rzepa, G., Stanojevic, Z., & Karner, M. (2023). DTCO flow for air spacer generation and its impact on power and performance at N7. *Solid-State Electronics*, 199, Article 108527. <https://doi.org/10.1016/j.sse.2022.108527>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kraushofer, F., Meier, M., Jakub, Z., Hütner, J., Balajka, J., Hulva, J., Schmid, M., Franchini, C., Diebold, U., & Parkinson, G. S. (2023). Oxygen-Terminated (1 × 1) Reconstruction of Reduced Magnetite Fe₃O₄(111). *Journal of Physical Chemistry Letters*, 14(13), 3258–3265. <https://doi.org/10.1021/acs.jpcclett.3c00281>

[Link](#)

103 Physik, Astronomie

Ramonet Marques, F., Haddadi Sisakht, B., & Harasek, M. (2023). Optimal Design of Double Stage Internal Loop Air-Lift Bioreactor. *Energies*, 16(7), Article 3267. <https://doi.org/10.3390/en16073267>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Schwaighofer, M., Zelaya Lainez, L. H., Königsberger, M., Lukacevic, M., Serna Loaiza, S., Harasek, M., Lahayne, O., Senk, V., & Füssl, J. (2023). Characterization of Mechanical Properties of Five Hot-Pressed Lignins Extracted from Different Feedstocks by Microscopy-Aided Nanoindentation. *Materials & Design*, 227, Article 111765. <https://doi.org/10.1016/j.matdes.2023.111765>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Bork, D., Ali, S. J., & Dinev, G. M. (2023). AI-Enhanced Hybrid Decision Management. *Business and Information Systems Engineering*, 65(2), 179–199. <https://doi.org/10.1007/s12599-023-00790-2>

[Link](#)

102 Informatik

Gritsch, L., & Lederer, J. (2023). A historical-technical analysis of packaging waste flows in Vienna. *Resources, Conservation and Recycling*, 194, Article 106975. <https://doi.org/10.1016/j.resconrec.2023.106975>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Eschner, J., Mindek, P., & Waldner, M. (2023). Illustrative Motion Smoothing for Attention Guidance in Dynamic Visualizations. *Computer Graphics Forum*, 42(3), 361–372. <https://doi.org/10.1111/cgf.14836>

[Link](#)

102 Informatik

Haubner, R. (2023). Garment buttons from a Hallstatt period tumulus. *Praktische Metallographie*, 60(5), 276–288. <https://doi.org/10.1515/pm-2022-1021>

[Link](#)

104 Chemie

Jacob, A. A. F., Povoden-Karadeniz, E., Retzl, P., & Kozeschnik, E. (2023). Reassessment of low-temperature Gibbs energies of BCC and FCC in steel for T₀-temperature evaluation. *Calphad*, 81, Article 102531. <https://doi.org/10.1016/j.calphad.2023.102531>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Donev, V., Lahayne, O., Pichler, B., & Eberhardsteiner, L. (2023). Ultrasonic Characterisation of the Elastic Properties of Mineral Aggregates Used in Asphalt Mixtures. *Road Materials and Pavement Design*. <https://doi.org/10.1080/14680629.2023.2188090>

[Link](#)

201 Bauwesen

Hummel, M., Müller, A., Forthuber, S., Kranzl, L., Mayr, B., & Haas, R. (2023). How cost-efficient is energy efficiency in buildings? A comparison of building shell efficiency and heating system change in the European building stock. *Energy Efficiency*, 16, Article 32. <https://doi.org/10.1007/s12053-023-10097-6>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Sobotka, E. H. R., Kreyca, J., Kahlenberg, R., Jacob, A. A. F., Kozeschnik, E., & Povoden-Karadeniz, E. (2023). Analysis of Recrystallization Kinetics Concerning the Experimental, Computational, and Empirical Evaluation of Critical Temperatures for Static Recrystallization in Nb, Ti, and V Microalloyed Steels. *Metals*, 13(5), Article 884. <https://doi.org/10.3390/met13050884>

[Link](#)

205 Werkstofftechnik

Gruber, M. R., Hofko, B., Hoffmann, M., Stinglmayr, D., & Grothe, H. (2023). Analysis of metal corrosion methods and identification of cost-efficient and low corrosion deicing agents. *Corrosion Engineering, Science and Technology*. <https://doi.org/10.1080/1478422X.2023.2200008>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Kurinjimala, R., Böhm, D., Pessenhofer, W., & Eisenmenger-Sittner, C. (2023). Physical vapor deposited coatings on high Ni content NMC811 Li-ion battery cathode powder. *Surface and Coatings Technology*, 462, Article 129472. <https://doi.org/10.1016/j.surfcoat.2023.129472>

[Link](#)

103 Physik, Astronomie

Wertjanž, D., Berlakovich, N., Csencsics, E., & Schitter, G. (2023). Range extension for large-scale robotic precision 3-D measurements in vibration-prone environments. *IEEE Transactions on Instrumentation and Measurement*, 72, 1–7. <https://doi.org/10.1109/TIM.2023.3268473>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Varga, M., Ventura Cervellón, A. M., Leroch, S., Eder, S., Rojacz, H., & Rodríguez Ripoll, M. (2023). Fundamental abrasive contact at high speeds: Scratch testing in experiment and simulation. *Wear*, 522, Article 204696. <https://doi.org/10.34726/4221>

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

Song, Z., Sistani, M., Schwingshandl, F., & Lugstein, A. (2023). Controlling Hot Charge Carrier Transfer in Monolithic Al-Si-Al Heterostructures for Plasmonic On-Chip Energy Harvesting. *Small*, Article 2301055. <https://doi.org/10.1002/sml.202301055>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Brandstätter, F., Autengruber, M., Lukacevic, M., & Füssl, J. (2023). Prediction of Moisture-Induced Cracks in Wooden Cross Sections Using Finite Element Simulations. *Wood Science and Technology*, 57,

671–701. <https://doi.org/10.1007/s00226-023-01469-3>

[Link](#)

201 Bauwesen

Hudak, S. C. A., Brezina, T., Kehrer, J., & Schopf, J. M. (2023). Tracing rail transformation: the case of passenger services in Slovenia from 1975 to 2015. *Public Transport*, 15(1), 253–274. <https://doi.org/10.1007/s12469-022-00316-1>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Turner, C. W., Drexler, X., Haug, L., Winkler, D., Kunze-Liebhäuser, J., Bernardi, J., Klötzer, B., & Penner, S. (2023). When copper is not enough: Advantages and drawbacks of using copper in de-NO_x reactions over lanthanum manganite perovskite structures. *Applied Catalysis B: Environmental*, 331, Article 122693. <https://doi.org/10.1016/j.apcatb.2023.122693>

[Link](#)

103 Physik, Astronomie

104 Chemie

210 Nanotechnologie

Bodner, C., Kiesenhofer, D., Schütz, G., & Brameshuber, M. (2023). Monte Carlo simulations for the evaluation of oligomerization data in TOCCSL experiments. *Biophysical Journal*, 122. <https://doi.org/10.1016/j.bpj.2023.04.021>

[Link](#)

103 Physik, Astronomie

106 Biologie

Fleiß, B., Bartik, A., Priscak, J., Benedikt, F., Fuchs, J., Müller, S., & Hofbauer, H. (2023). Experimental demonstration of 80 kW_{th} chemical looping combustion of biogenic feedstock coupled with direct CO₂ utilization by exhaust gas methanation. *Biomass Conversion and Biorefinery*. <https://doi.org/10.1007/s13399-023-04311-9>

[Link](#)

204 Chemische Verfahrenstechnik

Peer, S., Vybornova, A., Tauber, J., Saracevic, E., Krampe, J., Zessner, M., & Zoboli, O. (2023). To analyze or to throw away? On the stability of excitation-emission matrices for different water systems. *Chemosphere*, 333, Article 138853. <https://doi.org/10.1016/j.chemosphere.2023.138853>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Götz, S., Edinger, S., Linke, C., Franzke, E., Winkler, J., Valtiner, M., & Dimopoulos, T. (2023). Humidity-driven degradation of sputtered molybdenum oxide and molybdenum–titanium-oxide thin films. *Journal of Materials Chemistry C Materials for Optical and Electronic Devices*, 11(14), 4899–4906. <https://doi.org/10.1039/D2TC04267C>

[Link](#)

103 Physik, Astronomie

Tajik, M., Gluza, M., Sebe, N., Schüttelkopf, P. A., Cataldini, F., Ventura Sabino, J. D., Moller, F. S., Ji, S.-C., Erne, S., Guarnieri, G., Sotiriadis, S., Eisert, J., & Schmiedmayer, H.-J. (2023). Experimental observation of curved light-cones in a quantum field simulator. *Proceedings of the National Academy of Sciences*, 120(21), Article e2301287120. <https://doi.org/10.1073/pnas.2301287120>

[Link](#)

103 Physik, Astronomie

Calzavara, M., Kuriatnikov, Y., Deutschmann-Olek, A., Motzoi, F., Erne, S., Kugi, A., Calarco, T., Schmiedmayer, H.-J., & Prüfer, M. (2023). Optimizing Optical Potentials With Physics-Inspired Learning Algorithms. *Physical Review Applied*, 19(4), Article 044090. <https://doi.org/10.1103/PhysRevApplied.19.044090>

[Link](#)

103 Physik, Astronomie

Reif, D., Weisz, L., Kobsik, K., Schaar, H. P., Saracevic, E., Krampe, J., & Kreuzinger, N. (2023). Adsorption/precipitation prototype agent for simultaneous removal of phosphorus and organic micropollutants from wastewater. *Journal of Environmental Chemical Engineering*, 11(3), Article 110117. <https://doi.org/10.1016/j.jece.2023.110117>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Vetyukov, Y., & Oborin, E. (2023). Snap-through instability during transmission of rotation by a flexible shaft with initial curvature. *International Journal of Non-Linear Mechanics*, 154, 104431. <https://doi.org/10.1016/j.ijnonlinmec.2023.104431>

[Link](#)

203 Maschinenbau

Sobotka, E., Kreyca, J., Fuchs, N., Wojcik, T., Kozeschnik, E., & Povoden-Karadeniz, E. (2023). The Role of MX Carbonitrides for the Particle-Stimulated Nucleation of Ferrite in Microalloyed Steel. *Metallurgical and Materials Transactions A*, 54(7), 2903–2923. <https://doi.org/10.1007/s11661-023-07067-z>

[Link](#)

205 Werkstofftechnik

Krall, S., Prießnitz, M., Baumann, C., & Bleicher, F. (2023). Non-destructive characterization of strain induced surface hardness increase by measuring magnetic properties of AISI 304. *Materials & Design*, 226, Article 111627. <https://doi.org/10.1016/j.matdes.2023.111627>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Etzlstorfer, C., Leitner, A., Arenholz, E., & Kozeschnik, E. (2023). Numerical Simulation of Carbon Redistribution during Steel Composite Production. *Steel Research International*, Article 2300073. <https://doi.org/10.1002/srin.202300073>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Pratschner, S., Hammerschmid, M., Müller, S., & Winter, F. (2023). Evaluation of CO₂ sources for Power-to-Liquid plants producing Fischer-Tropsch products. *Journal of Co₂ Utilization*, 72, Article 102508. <https://doi.org/10.1016/j.jcou.2023.102508>

[Link](#)

204 Chemische Verfahrenstechnik

Eder, M. (2023). An analytical approach of multiple-aisle shuttle-based storage and retrieval systems. *The International Journal of Advanced Manufacturing Technology*, 127(3–4), 1585–1596. <https://doi.org/10.1007/s00170-023-11485-z>

[Link](#)

203 Maschinenbau

Benaitier, A., Krainer, F., Jakubek, S., & Hametner, C. (2023). Optimal energy management of hybrid

electric vehicles considering pollutant emissions during transient operations. *Applied Energy*, 344, Article 121267. <https://doi.org/10.1016/j.apenergy.2023.121267>

[Link](#)

103 Physik, Astronomie

201 Bauwesen

202 Elektrotechnik, Elektronik, Informationstechnik

Stöger-Pollach, M., Zenz, K., Ursin, F., Schilberg, J., & Stöger, L. (2023). A correction for higher-order refraction in cathodoluminescence spectrometry. *Ultramicroscopy*, 251, 113770. <https://doi.org/10.1016/j.ultramic.2023.113770>

[Link](#)

103 Physik, Astronomie

Heidenthaler, D., Deng, Y., Leeb, M., Grobbauer, M., Kranzl, L., Seiwald, L., Mascherbauer, P., Reindl, P., & Bednar, T. (2023). Automated energy performance certificate based urban building energy modelling approach for predicting heat load profiles of districts. *Energy*, 128024. <https://doi.org/10.1016/j.energy.2023.128024>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schneider-Hornstein, K., Goll, B., & Zimmermann, H. (2023). Ultra-Sensitive PIN-Photodiode Receiver. *IEEE Photonics Journal*, 15(3), Article 7201409. <https://doi.org/10.1109/JPHOT.2023.3279935>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Gerger, A., Urban, H., & Schranz, C. (2023). Augmented Reality for Building Authorities: A Use Case Study in Austria. *Buildings*, 13(6), Article 1462. <https://doi.org/10.3390/buildings13061462>

[Link](#)

201 Bauwesen

Yuan, D., Xu, Z., Tian, B., Wang, H., Zhan, Y., & Lukasiewicz, T. (2023). μ -Net: Medical image segmentation using efficient and effective deep supervision. *Computers in Biology and Medicine*, 160, Article 106963. <https://doi.org/10.1016/j.combiomed.2023.106963>

[Link](#)

101 Mathematik

102 Informatik

Giunchiglia, E., Stoian, M. C., Khan, S., Cuzzolin, F., & Lukasiewicz, T. (2023). ROAD-R: the autonomous driving dataset with logical requirements. *Machine Learning*, 112, 3261–3291. <https://doi.org/10.1007/s10994-023-06322-z>

[Link](#)

101 Mathematik

102 Informatik

Tang, M., Salvatori, T., Millidge, B., Song, Y., Lukasiewicz, T., & Bogacz, R. (2023). Recurrent predictive coding models for associative memory employing covariance learning. *PLoS Computational Biology*, 19(4), e1010719. <https://doi.org/10.1371/journal.pcbi.1010719>

[Link](#)

101 Mathematik

102 Informatik

Yuan, D., Liu, Y., Xu, Z., Zhan, Y., Chen, J., & Lukasiewicz, T. (2023). Painless and accurate medical image analysis using deep reinforcement learning with task-oriented homogenized automatic pre-processing. *Computers in Biology and Medicine*, 153, Article 106487. <https://doi.org/10.1016/j.combiomed.2022.106487>

[Link](#)

101 Mathematik

102 Informatik

Xu, Z., Li, T., Liu, Y., Zhan, Y., Chen, J., & Lukasiewicz, T. (2023). PAC-Net: Multi-pathway FPN with position attention guided connections and vertex distance IoU for 3D medical image detection. *Frontiers in Bioengineering and Biotechnology*, 11, Article 1049555. <https://doi.org/10.3389/fbioe.2023.1049555>

[Link](#)

101 Mathematik

102 Informatik

Li, Y., Mamouei, M., Salimi-Khorshidi, G., Rao, S., Hassaine, A., Canoy, D., Lukasiewicz, T., & Rahimi, K. (2023). Hi-BEHT: Hierarchical Transformer-Based Model for Accurate Prediction of Clinical Events Using Multimodal Longitudinal Electronic Health Records. *IEEE Journal of Biomedical and Health Informatics*, 27(2), 1106–1117. <https://doi.org/10.1109/JBHI.2022.3224727>

[Link](#)

101 Mathematik

102 Informatik

Bobinac, J., Reiter, T., Piso, J., Klemenschits, X., Baumgartner, O., Stanojevic, Z., Strof, G., Karner, M., & Filipovic, L. (2023). Effect of Mask Geometry Variation on Plasma Etching Profiles. *Micromachines*, 14(3), Article 665. <https://doi.org/10.3390/mi14030665>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kohne Poushi, S. S., Gasser, C., Goll, B., Hofbauer, M., Schneider-Hornstein, K., & Zimmermann, H. (2023). A Near-Infrared Enhanced Field-Line Crowding Based CMOS-Integrated Avalanche Photodiode. *IEEE Photonics Journal*, 15(3), Article 6801509. <https://doi.org/10.1109/JPHOT.2023.3280251>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Houben, N., Cosic, A., Stadler, M., Mansoor, M., Zellinger, M., Auer, J., Amela Ajanovic, & Reinhard Haas. (2023). Optimal dispatch of a multi-energy system microgrid under uncertainty: A renewable energy community in Austria. *Applied Energy*, 337, Article 120913. <https://doi.org/10.1016/j.apenergy.2023.120913>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Putz, D., Gumhalter, M., & Auer, H. (2023). The true value of a forecast: Assessing the impact of accuracy on local energy communities. *Sustainable Energy, Grids and Networks*, 33, Article 100983. <https://doi.org/10.1016/j.segan.2022.100983>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Garigliotti, D., Balog, K., Hose, K., & Bjerva, J. (2023). Recommending tasks based on search queries and missions. *Natural Language Engineering*, 1–25. <https://doi.org/10.1017/S1351324923000219>

[Link](#)

101 Mathematik

102 Informatik

Bösenhofer, M. (2023). Analysis and evaluation of steady-state and non-steady-state preserving operator splitting schemes for reaction-diffusion(-advection) problems. *Combustion and Flame*, 255, Article 112881. <https://doi.org/10.1016/j.combustflame.2023.112881>

[Link](#)

101 Mathematik

204 Chemische Verfahrenstechnik
211 Andere Technische Wissenschaften

Raith, P., Nastic, S., & Dustdar, S. (2023). Serverless Edge Computing—Where We Are and What Lies Ahead. *IEEE Internet Computing*, 27(3), 50–64. <https://doi.org/10.1109/MIC.2023.3260939>

[Link](#)

102 Informatik

Ruzova, T., Haddadi Sisakht, B., Jonach, T., Jordan, C., & Harasek, M. (2023). Development of a computer vision-based measuring system for investigating the porous media structure. *Materials Characterization*, 203, Article 113087. <https://doi.org/10.1016/j.matchar.2023.113087>

[Link](#)

101 Mathematik

102 Informatik

204 Chemische Verfahrenstechnik

Jonach, T., Haddadi Sisakht, B., Jordan, C., & Harasek, M. (2023). Dynamic Simulation of a Gas and Oil Separation Plant with Focus on the Water Output Quality. *Energies*, 16(10), Article 4111. <https://doi.org/10.3390/en16104111>

[Link](#)

204 Chemische Verfahrenstechnik

Kasper, L., Pernsteiner, D., Schirrer, A., Jakubek, S., & Hofmann, R. (2023). Experimental characterization, parameter identification and numerical sensitivity analysis of a novel hybrid sensible/latent thermal energy storage prototype for industrial retrofit applications. *Applied Energy*, 344, Article 121300. <https://doi.org/10.1016/j.apenergy.2023.121300>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Quast, R., Wagner, W., Bauer-Marschallinger, B., & Vreugdenhil, M. (2023). Soil moisture retrieval from Sentinel-1 using a first-order radiative transfer model — A case-study over the Po-Valley. *Remote Sensing of Environment*, 295, Article 113651. <https://doi.org/10.1016/j.rse.2023.113651>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Huber, D., Birkelbach, F., & Hofmann, R. (2023). HENS Unchained: MILP Implementation of Multi-Stage Utilities with Stream Splits, Variable Temperatures and Flow Capacities. *Energies*, 16(12), Article 4732. <https://doi.org/10.3390/en16124732>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Stagel, K., Pálvölgyi, Á. M., Delmas, C., Schnürch, M., & Schröder, K. (2023). Supported Ionic Liquid Phase (SILP) Allylic Alkylation of Amines in Continuous Flow. *ChemCatChem*, Article e202300381. <https://doi.org/10.1002/cctc.202300381>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Selmani, A., Jeitler, R., Auinger, M., Tetyczka, C., Banzer, P., Kantor, B., Leitinger, G., & Roblegg, E. (2023). Investigation of the Influence of Wound-Treatment-Relevant Buffer Systems on the Colloidal and

Optical Properties of Gold Nanoparticles. *Nanomaterials*, 13(12), Article 1878. <https://doi.org/10.3390/nano13121878>

[Link](#)

104 Chemie

106 Biologie

206 Medizintechnik

Schwaer, C., Sinn, A., Schröer, L., Wallner, T., & Schitter, G. (2023). Active lateral support system for a thin 1-meter meniscus mirror with virtual fixed points. *JOURNAL OF ASTRONOMICAL TELESCOPES INSTRUMENTS AND SYSTEMS*, 9(2), Article 029003. <https://doi.org/10.1117/1.JATIS.9.2.029003>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Pichlhöfer, A., Korjenic, A., Sulejmanovski, A., & Streit, E. (2023). Influence of Facade Greening with Ivy on Thermal Performance of Masonry Walls. *Sustainability*, 15(12), Article 9546. <https://doi.org/10.3390/su15129546>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ojdanic, D., Sinn, A., Naverschnigg, C., & Schitter, G. (2023). Feasibility Analysis of Optical UAV Detection Over Long Distances Using Robotic Telescopes. *IEEE Transactions on Aerospace and Electronic Systems*, 1–10. <https://doi.org/10.1109/TAES.2023.3248560>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Lužnik, M., Lientschnig, G., Taupin, M., Steiger-Thirsfeld, A., Prokofiev, A., & Paschen, S. (2023). Size Effect on the Thermal Conductivity of a Type-I Clathrate. *Crystals*, 13(3), Article 453. <https://doi.org/10.3390/cryst13030453>

[Link](#)

103 Physik, Astronomie

Fuchs, A., Wielandner, L., Neunteufel, D., Arthaber, H., & Witrisal, K. (2023). Wideband TDoA Positioning Exploiting RSS-Based Clustering. *Sensors*, 23(12), Article 5772. <https://doi.org/10.3390/s23125772>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hechenberger, S., Tertinek, S., & Arthaber, H. (2023). Low-Complexity Wideband Interference Mitigation for UWB ToA Estimation. *Sensors*, 23(13), Article 5806. <https://doi.org/10.3390/s23135806>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wiener, S. G. M., Strauß, B., Luckeneder, G., Hagler, J., & Valtiner, M. (2023). Thermoset thin film primers: influence of substrate, layer thickness and wettability of additives in laboratory testing. *Materials and Corrosion*, 74(8), 1183–1195. <https://doi.org/10.1002/maco.202313786>

[Link](#)

103 Physik, Astronomie

Ponomareva, M., Nadlinger, M., Schimo-Aichhorn, G., Duchoslav, J., Stifter, D., Luckeneder, G., Steger, R., Grienberger, S., Kogler, M., & Valtiner, M. (2023). Alkaline Cleaning of Zn–Al–Mg Hot-Dip Galvanized Steels: Mechanisms and Surface Oxide Chemistry. *Journal of The Electrochemical Society*, 170(6), Article 061506. <https://doi.org/10.34726/4421>

[Link](#)

103 Physik, Astronomie

Steiner, D., Thaler, M., Mairegger, T., Mittendorfer, F., & Bertel, E. (2023). Nonclassical Nucleation of Hexagonal Boron Nitride Enables Independent Control of Nucleation and Growth Rate. *The Journal of Physical Chemistry C*, 127(24), 11559–11569. <https://doi.org/10.1021/acs.jpcc.3c00206>

[Link](#)

103 Physik, Astronomie

Unterluggauer, J., Sulzgruber, V., Kroiss, C., Riedl, J., Jentsch, R., & Willinger, R. (2023). Design for a Heat Pump with Sink Temperatures of 200 °C Using a Radial Compressor. *Energies*, 16(13), Article 4916. <https://doi.org/10.3390/en16134916>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Werkovits, S., Hofer, K., Schöberl, T. R., Hofko, B., & Grothe, H. (2023). How infrared and fluorescence spectroscopy can shed new light on the characterization of bitumen and its ageing processes. *Road Materials and Pavement Design*. <https://doi.org/10.1080/14680629.2023.2191730>

[Link](#)

104 Chemie

201 Bauwesen

Werkovits, S., Bacher, M., Mirwald, J., Theiner, J., Rosenau, T., Hofko, B., & Grothe, H. (2023). The impact of field ageing on molecular structure and chemistry of bitumen. *Fuel*, 343, Article 127904. <https://doi.org/10.1016/j.fuel.2023.127904>

[Link](#)

104 Chemie

201 Bauwesen

Benaitier, A., Jakubek, S., Krainer, F., & Hametner, C. (2023). Automated nonlinear feedforward controller identification applied to engine air path output tracking. *International Journal of Control*. <https://doi.org/10.1080/00207179.2023.2227740>

[Link](#)

103 Physik, Astronomie

201 Bauwesen

202 Elektrotechnik, Elektronik, Informationstechnik

Fauth, J., Pasetti Monizza, G., & Malacarne, G. (2023). Understanding processes on digital building permits – a case study in South Tyrol. *Building Research and Information*, 51(5), 518–532. <https://doi.org/10.1080/09613218.2023.2178372>

[Link](#)

201 Bauwesen

Jukic, D.-K., Kugi, A., & Kemmettmüller, W. (2023). Optimal dynamic operation of pumped storage power plants with variable and fixed speed generators. *Control Engineering Practice*, 138, Article 105601. <https://doi.org/10.1016/j.conengprac.2023.105601>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Eder, M. M. J., Tschurl, M., & Heiz, U. (2023). Toward a Comprehensive Understanding of Photocatalysis: What Systematic Studies and Alcohol Surface Chemistry on TiO₂(110) Have to Offer for Future Developments. *Journal of Physical Chemistry Letters*, 14(26), 6193–6201. <https://doi.org/10.1021/acs.jpcclett.3c00504>

[Link](#)

103 Physik, Astronomie

Bobinac, J., Reiter, T., Piso, J., Klemenschits, X., Baumgartner, O., Stanojevic, Z., Strof, G., Karner, M., & Filipovic, L. (2023). Effect of Mask Geometry Variation on Plasma Etching Profiles. *Micromachines*, 14(3), Article 665. <https://doi.org/10.3390/mi14030665>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Untermarzoner, F., Kollegger, J., Rath, M., Gaßner, K., & Huber, T. (2023). Deck Slab Elements for the Accelerated Construction of Steel–Concrete Composite Bridges. *Applied Sciences*, 13(13), Article 7825. <https://doi.org/10.3390/app13137825>

[Link](#)

201 Bauwesen

Klamert, V., Schiefermair, L., Bublin, M., & Otto, A. (2023). In Situ Analysis of Curling Defects in Powder Bed Fusion of Polyamide by Simultaneous Application of Laser Profilometry and Thermal Imaging. *Applied Sciences*, 13(12), Article 7179. <https://doi.org/10.3390/app13127179>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Charles, F., Massimini, A., & Salvarani, F. (2023). Mathematical and numerical study of a kinetic model describing the evolution of planetary rings. *Computers and Mathematics with Applications*, 143, 48–56. <https://doi.org/10.1016/j.camwa.2023.04.029>

[Link](#)

101 Mathematik

Mayrhofer, L., Müller, A., Bügelmayer-Blaschek, M., Malla, A., & Kranzl, L. (2023). Modelling the effect of passive cooling measures on future energy needs for the Austrian building stock. *Energy and Buildings*, 296, Article 113333. <https://doi.org/10.1016/j.enbuild.2023.113333>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schwarz, S., & Pratschner, S. (2023). Multiple Antenna Systems in Mobile 6G: Directional Channels and Robust Signal Processing. *IEEE Communications Magazine*, 61(4), 64–70. <https://doi.org/10.1109/MCOM.001.2200258>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schwarz, S., & Girsch, M. (2023). Approximate Soft Successive Detection for Grassmannian Product Superposition Coding. *IEEE Communications Letters*, 27(9), 2274–2278. <https://doi.org/10.1109/LCOMM.2023.3296195>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bartik, A., Benedikt, F., Fuchs, J., Hofbauer, H., & Müller, S. (2023). Experimental investigation of hydrogen-intensified synthetic natural gas production via biomass gasification: a technical comparison of different production pathways. *Biomass Conversion and Biorefinery*. <https://doi.org/10.1007/s13399-023-04341-3>

[Link](#)

204 Chemische Verfahrenstechnik

Aichinger-Rosenberger, M., Wolf, A., Senn, C., Hohensinn, R., Glaner, M. F., Moeller, G., Soja, B., & Rothacher, M. (2023). MPG-NET: A low-cost, multi-purpose GNSS co-location station network for environmental monitoring. *Measurement*, 216, Article 112981. <https://doi.org/10.1016/j.measurement>

2023.112981

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Shorny, A., Steiner, F., Hörner, H., & Bayer-Skoff, S. M. (2023). Imaging and identification of single nanoplastic particles and agglomerates. *Scientific Reports*, 13(1), Article 10275. <https://doi.org/10.1038/s41598-023-37290-y>

[Link](#)

103 Physik, Astronomie

Arrazola Maiztegui, I., & Casanova, J. (2023). Robust oscillator-mediated phase gates driven by low-intensity pulses. *Communications Physics*, 6, Article 123. <https://doi.org/10.1038/s42005-023-01243-8>

[Link](#)

103 Physik, Astronomie

Pechhacker, A., Wertjanz, D., Csencsics, E. K., & Schitter, G. (2023). Integrated electromagnetic actuator with adaptable zero power gravity compensation. *IEEE Transactions on Industrial Electronics*, 1–9. <https://doi.org/10.1109/TIE.2023.3288176>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Melnyk, O., Raab, J., & Lulei, F. (2023). ÖNORM B 2203-1 as a Supplement to FIDIC Emerald Book in Conventional Tunnel Construction. *Buildings*, 13(7), Article 1837. <https://doi.org/10.3390/buildings13071837>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

502 Wirtschaftswissenschaften

Kwak, D., Polyushkin, D., & Müller, T. (2023). In-sensor computing using a MoS₂ photodetector with programmable spectral responsivity. *Nature Communications*, 14, Article 4264. <https://doi.org/10.1038/s41467-023-40055-w>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Pechgraber, D., Csencsics, E., & Schitter, G. (2023). Resonant Rotational Reluctance Actuator for Large Range Scanning Mirrors. *IEEE/ASME Transactions on Mechatronics*, 1–10. <https://doi.org/10.1109/TMECH.2023.3252940>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Brunner, A., Markiewicz, R., Pistor, J., & Adam, D. (2023). Langzeiterfahrungen zur geothermischen Nutzung des Lainzer Tunnels in Wien. *Bauingenieur*, 98(07–08), 243–256. <https://doi.org/10.37544/0005-6650-2023-07-08-65>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kersten, W. N., De Zordo, N., Diekmann, O., Reiter, T., Zens, M., Kanagin, A. N., Rotter, S., Schmiedmayer, H.-J., & Angerer, A. (2023). Triggered Superradiance and Spin Inversion Storage in a Hybrid Quantum System. *Physical Review Letters*, 131(4), 043601-1-043601–043606. <https://doi.org/10.1103/PhysRevLett.131.043601>

[Link](#)

103 Physik, Astronomie

Bettinelli, L., Stollwitzer, A., & Fink, J. (2023). Numerical Study on the Influence of Coupling Beam Modeling on Structural Accelerations during High-Speed Train Crossings. *Applied Sciences*, 13(15), Article 8746. <https://doi.org/10.3390/app13158746>

[Link](#)

201 Bauwesen

Bauer-Marschallinger, B., & Falkner, K. (2023). Wasting petabytes: A survey of the Sentinel-2 UTM tiling grid and its spatial overhead. *ISPRS Journal of Photogrammetry and Remote Sensing*, 202, 682–690. <https://doi.org/10.1016/j.isprsjprs.2023.07.015>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sinawehl, L., Wolff, R., Koch, T., Stampfl, J., Liska, R., & Baudis, S. (2023). Photopolymers based on boronic esters for the enhanced degradation of 3D-printed scaffolds. *ACS Applied Polymer Materials*, 5(7), 5758–5771. <https://doi.org/10.1021/acsapm.3c01000>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Rohringer, S., Grasl, C., Ehrmann, K., Hager, P., Hahn, C., Specht, S. J., Walter, I., Schneider, K. H., Zopf, L. M., Baudis, S., Liska, R., Schima, H., Podesser, B., & Bergmeister, H. (2023). Biodegradable, Self-Reinforcing Vascular Grafts for In Situ Tissue Engineering Approaches. *Advanced Healthcare Materials*, Article 2300520. <https://doi.org/10.1002/adhm.202300520>

[Link](#)

104 Chemie

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Weiß, B. D., Haddadi, B., & Harasek, M. (2023). Assessment of modeling the MgO-CaO-CO₂-SO₂-H₂O-O₂ system using the electrolyte NRTL activity coefficient model. *Industrial & Engineering Chemistry Research*. <https://doi.org/10.1021/acs.iecr.3c00868>

[Link](#)

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pourkaveh, R., Podewitz, M., & Schnürch, M. (2023). A Fujiwara-Moritani-type alkenylation using a traceless directing group strategy: a rare example of C-C bond formation towards the C₂-carbon of terminal alkenes. *European Journal of Organic Chemistry*, 26(8), Article e202201179. <https://doi.org/10.1002/ejoc.202201179>

[Link](#)

104 Chemie

Feiler, G., Knechtelsdorfer, U., Schwegel, M., & Kugi, A. (2023). Mechatronic design of a class of planar cable-driven parallel robots. *Mechatronics*, 94, Article 103034. <https://doi.org/10.1016/j.mechatronics.2023.103034>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Maderthaler, J., Kugi, A., & Kemmetmüller, W. (2023). Optimal control of the part mass for the injection molding process. *Journal of Process Control*, 129, Article 103027. <https://doi.org/10.1016/j.jprocont.>

2023.103027

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Horodynski, M., Reiter, T., Kühmayer, M., & Rotter, S. (2023). Tractor beams with optimal pulling force using structured waves. *Physical Review A*, 108(2), Article 023504. <https://doi.org/10.1103/PhysRevA.108.023504>

[Link](#)

103 Physik, Astronomie

Mirwald, J., Niszl, C., Eberhardsteiner, L., & Hofko, B. (2023). Quantifying the influence of heating and resting on the bitumen microstructure. *Construction and Building Materials*, 400, Article 132710. <https://doi.org/10.1016/j.conbuildmat.2023.132710>

[Link](#)

104 Chemie

201 Bauwesen

Casamayor Pujol, V., Donta, P. K., Morichetta, A., Murturi, I., & Dustdar, S. (2023). Edge Intelligence—Research Opportunities for Distributed Computing Continuum Systems. *IEEE Internet Computing*, 27(4), 53–74. <https://doi.org/10.1109/MIC.2023.3284693>

[Link](#)

102 Informatik

Siskova, M., Kuhn, M., Prettner, K., & Fürnkranz-Prskawetz, A. (2023). Does human capital compensate for population decline? *Journal of the Economics of Ageing*, 26, Article 100469. <https://doi.org/10.1016/j.jjeoa.2023.100469>

[Link](#)

101 Mathematik

102 Informatik

502 Wirtschaftswissenschaften

Baumann, M. S., Steinböck, A., Kemmetmüller, W., & Kugi, A. (2023). Indirekte Schätzung der Magnettemperatur einer Permanentmagnet-Synchronmaschine. *Automatisierungstechnik*, 71(8), 599–611. <https://doi.org/10.1515/auto-2023-0037>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Seitz, T., Bergmayr, F., Kitzberger, R., Holbik, J., Grieb, A., Hind, J., Lucny, F., Tyercha, A., Neuhold, S., Krenn, C., Wenisch, C., Zoufaly, A., Kaniusas, E., & Szeles, J. C. (2023). Randomized controlled study to evaluate the safety and clinical impact of percutaneous auricular vagus nerve stimulation in patients with severe COVID-19. *Frontiers in Physiology*, 14, Article 1223347. <https://doi.org/10.3389/fphys.2023.1223347>

2023.1223347

[Link](#)

206 Medizintechnik

302 Klinische Medizin

Knezevic, K., Daza Serna, L. V., Mach-Aigner, A., Mach, R., Friedl, A., Krampe, J., & Kreuzinger, N. (2023). Investigation of ion-exchange membranes and erythritol concentration for the desalination of erythritol culture broth by electrodialysis. *Chemical Engineering and Processing: Process Intensification*, 192, Article 109494. <https://doi.org/10.1016/j.cep.2023.109494>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pratschner, S., Radosits, F., Ajanovic, A., & Winter, F. (2023). Techno-economic assessment of a power-

to-green methanol plant. *Journal of Co2 Utilization*, 75, Article 102563. <https://doi.org/10.1016/j.jcou.2023.102563>

[Link](#)

204 Chemische Verfahrenstechnik

Fenz, S., Neubauer, T., Heurix, J., Friedel, J. K., & Wohlmuth, M.-L. (2023). AI- and data-driven pre-crop values and crop rotation matrices. *European Journal of Agronomy*, 150, Article 126949. <https://doi.org/10.1016/j.eja.2023.126949>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Fallmann, M., Lösch, M., Poks, A., & Kozek, M. (2023). Energy-efficient hybrid model predictive control of mobile refrigeration systems. *Applied Thermal Engineering*, 235, Article 121347. <https://doi.org/10.1016/j.applthermaleng.2023.121347>

[Link](#)

101 Mathematik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Zwickl-Bernhard, S., Golab, A., Perger, T., & Auer, J. (2023). Designing a model for the cost-optimal decommissioning and refurbishment investment decision for gas networks: Application on a real test bed in Austria until 2050. *Energy Strategy Reviews*, 49, Article 101138. <https://doi.org/10.1016/j.esr.2023.101138>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Csencsics, E., Friedl, B., & Schitter, G. (2023). Shaping the Dynamics of a Low-Stiffness Positioning System by Mechatronic Design for Enabling Stable Unity Gain Feedback. *Journal of Dynamic Systems, Measurement, and Control*, 145(10), Article 101001. <https://doi.org/10.1115/1.4063074>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ceric, H., Lacerda de Orio, R., & Selberherr, S. (2023). Statistical Study of Electromigration in Gold Interconnects. *Microelectronics Reliability*, 147, 1–7. <https://doi.org/10.1016/j.microrel.2023.115061>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Fellner, D., Strasser, T., & Kastner, W. (2023). Data-Driven Misconfiguration Detection in Power Systems With Transformer Profile Disaggregation. *IEEE Access*, 11, 80123–80136. <https://doi.org/10.1109/ACCESS.2023.3300236>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Spiegel, M. H., & Strasser, T. (2023). A testbed-based approach for the resilience assessment of multi-microgrids. *Elektrotechnik Und Informationstechnik?: E & i*, 140(1), 168–175. <https://doi.org/10.1007/s00502-022-01093-2>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Hartarsky, I. (2023). Sensitive bootstrap percolation second term. *Electronic Communications in*

Probability, 28, Article 29. <https://doi.org/10.1214/23-ECP535>

[Link](#)

101 Mathematik

Fenz, S., Neubauer, T., Friedel, J. K., & Wohlmuth, M.-L. (2023). AI- and data-driven crop rotation planning. *Computers and Electronics in Agriculture*, 212, Article 108160. <https://doi.org/10.1016/j.compag.2023.108160>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Maldet, M., Lettner, G. A., Loschan, C., Schwabeneder, D., & Auer, H. (2023). Creating an indicator system for the United Nations sustainable development goals in communities and municipalities: application and analysis in an Austrian case study. *Heliyon*, 9(8), Article e19010. <https://doi.org/10.1016/j.heliyon.2023.e19010>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Strobl, S., Scheiblechner, W., & Haubner, R. (2023). Metallographic preparation of a composite of meteorite iron, steel, pure iron, and nickel manufactured by the Damascus technique. *Praktische Metallographie*, 60(9), 556–568. <https://doi.org/10.1515/pm-2023-1052>

[Link](#)

104 Chemie

Wagner, C., Fuchsberger, F. F., Innthaler, B., Lemmerer, M., & Birner-Gruenberger, R. (2023). Quantification of Empty, Partially Filled and Full Adeno-Associated Virus Vectors Using Mass Photometry. *International Journal of Molecular Sciences*, 24(13), Article 11033. <https://doi.org/10.3390/ijms241311033>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Grossmann, T., Kirsch, A., Grill, M., Steffan, B., Karbiener, M., Brcic, L., Darnhofer, B., Birner-Gruenberger, R., & Gugatschka, M. (2023). Introducing a new type of alternative laryngeal mucosa model. *PLoS ONE*, 18(6), Article e0287634. <https://doi.org/10.1371/journal.pone.0287634>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Bradic, I., Liesinger, L., Kuentzel, K. B., Vujic, N., Trauner, M., Birner-Gruenberger, R., & Kratky, D. (2023). Metabolic changes and propensity for inflammation, fibrosis, and cancer in livers of mice lacking lysosomal acid lipase. *Journal of Lipid Research*. <https://doi.org/10.1016/j.jlr.2023.100427>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Doujak, E., Maly, A., Unterluggauer, J., Haller, F. J., Maier, M., Blasbichler, C., & Stadler, S. (2023). Fatigue strength analysis of a prototype Francis turbine in a multilevel lifetime assessment procedure part III: instrumentation and prototype site measurement. *Energies*, 16(16), Article 6072. <https://doi.org/10.3390/en16166072>

[Link](#)

203 Maschinenbau

Steinbach, J., Jadachowski, L., Steinboeck, A., & Kugi, A. (2023). Modeling and observer design of an inductive oven with continuous product flow. *Mechatronics*, 95, Article 103041. <https://doi.org/10.1016/>

j.mechatronics.2023.103041

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zoratto, S., Heuser, T., Friedbacher, G., Pletzenauer, R., Graninger, M., Marchetti-Deschmann, M., & Weiss, V. (2023). Adeno-Associated Virus-like Particles' Response to pH Changes as Revealed by nES-DMA. *Viruses*, 15(6), Article 1361. <https://doi.org/10.3390/v15061361>

[Link](#)

104 Chemie

210 Nanotechnologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Filipov, V., Arleo, A., Bogl, M., & Miksch, S. (2023). On network structural and temporal encodings: a space and time odyssey. *IEEE Transactions on Visualization and Computer Graphics*, 14(8). <https://doi.org/10.34726/5410>

[Link](#)

101 Mathematik

102 Informatik

Zehetbauer, F., Edelmann, J., & Plöchl, M. (2024). Influences of tram characteristics on wheel polygonal wear evolution. *Engineering Failure Analysis*, 157, Article 107528. <https://doi.org/10.1016/j.engfailanal.2023.107528>

[Link](#)

203 Maschinenbau

Loschan, C., Schwabeneder, D., Maltet, M., Lettner, G., & Auer, H. (2023). Hydrogen as Short-Term Flexibility and Seasonal Storage in a Sector-Coupled Electricity Market. *Energies*, 16(14), Article 5333. <https://doi.org/10.3390/en16145333>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Formayer, H., Nadeem, I., Leidinger, D., Maier, P., Schöniger, F., Suna, D., Resch, G., Totschnig Gerhard, & Lehner, F. (2023). SECURES-Met: A European meteorological data set suitable for electricity modelling applications. *Scientific Data*, 10, Article 590. <https://doi.org/10.1038/s41597-023-02494-4>

[Link](#)

105 Geowissenschaften

202 Elektrotechnik, Elektronik, Informationstechnik

Lösch, M., Fallmann, M., Poks, A., & Kozek, M. (2023). Simulation-based sizing of a secondary loop cooling system for a refrigerated vehicle. *Energies*, 16(18), Article 6459. <https://doi.org/10.3390/en16186459>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Esterbauer, L., Steindl, G., & Kastner, W. (2023). Improving energy community interoperability by utilizing Web of Things. *Elektrotechnik Und Informationstechnik?: E & i*, 140(5), 425–431. <https://doi.org/10.1007/s00502-023-01152-2>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Kriechbaum, R., Serna Loaiza, S., Friedl, A., Spadiut, O., & Kopp, J. (2023). Utilizing straw-derived hemicellulosic hydrolysates by *Chlorella vulgaris*: Contributing to a biorefinery approach. *Journal of Applied Phycology*. <https://doi.org/10.1007/s10811-023-03082-0>

[Link](#)

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Dellinger, F. (2023). Discrete isothermic nets based on checkerboard patterns. *Discrete and Computational Geometry*. <https://doi.org/10.1007/s00454-023-00558-1>

[Link](#)

101 Mathematik

102 Informatik

Adavi, Z., Ghassemi, B., Weber, R., & Hanna, N. (2023). Machine learning-based estimation of hourly GNSS precipitable water vapour. *Remote Sensing*, 15(18), Article 4551. <https://doi.org/10.3390/rs15184551>

[Link](#)

101 Mathematik

102 Informatik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schmid, A., Krammer, M., & Fleig, J. (2023). Rechargeable Oxide Ion Batteries Based on Mixed Conducting Oxide Electrodes. *Advanced Energy Materials*, 13(11), Article 2203789. <https://doi.org/10.1002/aenm.202203789>

[Link](#)

104 Chemie

Ring, J., Nenning, A., & Fleig, J. (2023). Defect Chemistry and Mixed Conduction in Lithium Lanthanum Titanate During the Transition from Electrolyte to Anode Material. *Journal of The Electrochemical Society*, 170(5), Article 050530. <https://doi.org/10.1149/1945-7111/acd480>

[Link](#)

104 Chemie

Krammer, M., Schmid, A., Kubicek, M., & Fleig, J. (2023). Utilizing oxygen gas storage in rechargeable oxygen ion batteries. *Journal of Power Sources*, 577, Article 233167. <https://doi.org/10.1016/j.jpowsour.2023.233167>

[Link](#)

104 Chemie

Siebenhofer, M., Riedl, C., Nenning, A., Artner, W., Rameshan, C., Opitz, A. K., Fleig, J., & Kubicek, M. (2023). Improving and degrading the oxygen exchange kinetics of La_{0.6}Sr_{0.4}CoO_{3-d} by Sr decoration. *Journal of Materials Chemistry A: Materials for Energy and Sustainability*, 11(24), 12827–12836. <https://doi.org/10.1039/d2ta09362f>

[Link](#)

104 Chemie

Helml, V., Innerberger, M., & Praetorius, D. (2023). Plain convergence of goal-oriented adaptive FEM. *Computers and Mathematics with Applications*, 147, 130–149. <https://doi.org/10.1016/j.camwa.2023.07.022>

[Link](#)

101 Mathematik

Glaner, M. F., & Weber, R. (2023). An open-source software package for Precise Point Positioning: raPPPid. *GPS Solutions*, 27(4), Article 174. <https://doi.org/10.1007/s10291-023-01488-4>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gasser, C., Goll, B., & Zimmermann, H. (2023). Highly sensitive hybrid optical receiver with a compact

1.4 GHz linear transimpedance amplifier in 55 nm CMOS. *Optical Engineering*, 62(9), Article 095103. <https://doi.org/10.1117/1.OE.62.9.095103>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zoboli, O., Hainz, R., Riedler, P., Kum, G., Sigmund, E., Hintermaier, S., Saracevic, E., Krampe, J., Zessner, M., & Wolfram, G. (2023). Fate of nutrients and trace contaminants in a large shallow soda lake. Spatial gradients and underlying processes from the tributary river to the reed belt. *Environmental Science: Processes and Impacts*, 25(9), 1505–1518. <https://doi.org/10.1039/d3em00152k>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dominguez Corella, A., Jork, N., & Veliov, V. (2023). On the solution stability of parabolic optimal control problems. *Computational Optimization and Applications*. <https://doi.org/10.1007/s10589-023-00473-4>

[Link](#)

101 Mathematik

Platzer, R., Hellmeier, J., Göhring, J., Perez, I. D., Schatzlmaier, P., Bodner, C., Focke-Tejkl, M., Schütz, G. J., Sevcsik, E., Stockinger, H., Brameshuber, M., & Huppa, J. B. (2023). Monomeric agonist peptide/MHCII complexes activate T-cells in an autonomous fashion. *EMBO Reports*, Article e57842. <https://doi.org/10.15252/embr.202357842>

[Link](#)

103 Physik, Astronomie

106 Biologie

210 Nanotechnologie

Hinterer, F., Schneider, M. C., Hubmer, S., Lopez Martinez, M., Ramlau, R., & Schütz, G. J. (2023). Localization of fixed dipoles at high precision by accounting for sample drift during illumination. *Applied Physics Letters*, 123(2), Article 023703. <https://doi.org/10.1063/5.0137834>

[Link](#)

103 Physik, Astronomie

Schütz, G., & Pabst, G. (2023). The asymmetric plasma membrane - a composite material combining different functionalities??: Balancing barrier function and fluidity for effective signaling. *BioEssays*, Article 2300116. <https://doi.org/10.1002/bies.202300116>

[Link](#)

103 Physik, Astronomie

Zeiner, K., Dabiri, B., Burns, C., Kummer, L., & Kaniusas, E. (2023). Mental and physiological wellbeing while rowing across the North Atlantic: a single-case study of subjective versus objective data. *Frontiers in Physiology*, 14, Article 1244438. <https://doi.org/10.3389/fphys.2023.1244438>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Deix, K., & Tutic, S. (2023). Determination of the slip resistance of interspersed synthetic resin flooring with a convolutional neural network. *Journal of Building Engineering*, 76, Article 106721. <https://doi.org/10.1016/j.jobe.2023.106721>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Deix, K., Rusnov, B., Dzudzevic, E., & Huber, C. (2023). Analyse von Mauerwerksuntersuchungen von

Gründerzeithäusern in Wien. Bautechnik. <https://doi.org/10.1002/bate.202300018>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Tamburelli, P. P. (2023). For all the talk about surrealism, this is actually realism. *A+u?: Architecture and Urbanism*, 632(5), 20–25. <http://hdl.handle.net/20.500.12708/190850>

[Link](#)

201 Bauwesen

Deix, K., & Huber, C. (2023). Die Querkzugfestigkeit bei Öffnungen im Auflagerbereich von Brettschichtholz: Einfluss der Feuchtigkeit und Betrachtung von Ingenieurmodellen. *Bauingenieur*, 98(4), 113–122. <https://doi.org/10.37544/0005-6650-2023-04-69>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Neusser, M., Dolezal, F., Wurm, M., Müllner, H., & Bednar, T. (2023). Evaluation of the acoustic and environmental performance of different wall structures with particular emphasis on straw. *Journal of Building Engineering*, 66, Article 105922. <https://doi.org/10.1016/j.jobbe.2023.105922>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hammerschmid, M., Bartik, A., Benedikt, F., Veress, M., Pratschner, S., Müller, S., & Hofbauer, H. (2023). Economic and Ecological Impacts on the Integration of Biomass-Based SNG and FT Diesel in the Austrian Energy System. *Energies*, 16(16), Article 6097. <https://doi.org/10.3390/en16166097>

[Link](#)

204 Chemische Verfahrenstechnik

Schubert, U. (2023). Titandioxid. *Chemie in unserer Zeit*, 57(5), 299–305. <https://doi.org/10.1002/ciuz.202200045>

[Link](#)

104 Chemie

Ricco, S., & Torricelli, A. (2024). A necessary condition for extremality of solutions to autonomous obstacle problems with general growth. *Nonlinear Analysis: Real World Applications*, 76, Article 104005. <https://doi.org/10.1016/j.nonrwa.2023.104005>

[Link](#)

101 Mathematik

Bumberger, A. E., Boehme, C., Ring, J., Raznjevic, S., Zhang, Z., Kubicek, M., & Fleig, J. (2023). Defect Chemistry of Spinel Cathode Materials-A Case Study of Epitaxial LiMn₂O₄ Thin Films. *Chemistry of Materials*, 35(13), 5135–5149. <https://doi.org/10.1021/acs.chemmater.3c00814>

[Link](#)

104 Chemie

Siebenhofer, M., Riedl, C., Nanning, A., Raznjevic, S., Fellner, F., Artner, W., Zhang, Z., Rameshan, C., Fleig, J., & Kubicek, M. (2023). Crystal-Orientation-Dependent Oxygen Exchange Kinetics on Mixed Conducting Thin-Film Surfaces Investigated by In Situ Studies. *ACS Applied Energy Materials*, 6(12), 6712–6720. <https://doi.org/10.1021/acsaem.3c00870>

[Link](#)

104 Chemie

Streng, E., Zoboli, O., Mehdi-Schulz, B., Parajka, J., Schönhart, M., Krampe, J., & Zessner, M. (2023). Regional nitrogen budgets of agricultural production systems in Austria constrained by natural boundary conditions. *Journal of Environmental Management*, 347, Article 119023. <https://doi.org/10.1016/j.jenvman.2023.119023>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Din, M. M. U., Ladenstein, L., Ring, J., Knez, D., Smetaczek, S., Kubicek, M., Sadeqi-Moqadam, M., Ganschow, S., Salagre, E., Michel, E., Lode, S., Kothleitner, G., Dugulan, I., Smith, J. G., Limbeck, A., Fleig, J., Siegel, D. J., Redhammer, G. J., & Rettenwander, D. (2023). A Guideline to Mitigate Interfacial Degradation Processes in Solid-State Batteries Caused by Cross Diffusion. *Advanced Functional Materials*, 33(42), 1–13. <https://doi.org/10.1002/adfm.202303680>

[Link](#)

104 Chemie

Reiterer, M., Bettinelli, L., Schellander, J., Stollwitzer, A., & Fink, J. (2023). Application of Vehicle-Based Indirect Structural Health Monitoring Method to Railway Bridges - Simulation and In Situ Test. *Applied Sciences*, 13(19), Article 10928. <https://doi.org/10.3390/app131910928>

[Link](#)

201 Bauwesen

Krammer, M., Schmid, A., Nennung, A., Bumberger, A. E., Siebenhofer, M., Herzig, C., Limbeck, A., Rameshan, C., Kubicek, M., & Fleig, J. (2023). Closed-Pore Formation in Oxygen Electrodes for Solid Oxide Electrolysis Cells Investigated by Impedance Spectroscopy. *ACS Applied Materials and Interfaces*, 15(6), 8076–8092. <https://doi.org/10.1021/acsami.2c20731>

[Link](#)

104 Chemie

Jiang, W. C., Ederer, M., Donsa, S., Feist, J., Brezinová, I., Lemell, C., & Burgdörfer, J. (2023). Multiphoton double ionization of helium by ultrashort XUV pulses: Probing the role of electron correlations. *Physical Review A*, 108(2), Article 023102. <https://doi.org/10.1103/PhysRevA.108.023102>

[Link](#)

103 Physik, Astronomie

Salonen, T., Fischer, H., & Korjenic, A. (2023). Chopped Straw as an Insulation Material: The Influence of Different Blow-In Technologies and Flame Retardants on Hygrothermal Properties. *Buildings*, 13(10), Article 2555. <https://doi.org/10.3390/buildings13102555>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Spindelberger, C., & Arthaber, H. (2023). Investigating the Potential of the Low-Cost SDR USRP B200mini as an EMI Receiver. *IEEE Transactions on Electromagnetic Compatibility*, 1–14. <https://doi.org/10.1109/TEMC.2023.3317731>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Maldet, M., Loschan, C., Schwabeneder, D., Lettner, G., & Auer, H. (2023). Business models for local energy market and circular economy establishment in municipalities: A case study in an Austrian municipality. *Heliyon*, 9(10), Article e20776. <https://doi.org/10.1016/j.heliyon.2023.e20776>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Iglseder, S., Iglseder, A., Beliveau, V., Heugenhauer, J., Gizewski, E. R., Kerschbaumer, J., Stockhammer, G., Uprimny, C., Virgolini, I., Dudas, J., Neviny-Stickel, M., Nowosielski, M., & Scherfler, C. (2023). Somatostatin receptor subtype expression and radiomics from DWI-MRI represent SUV of [68Ga]Ga-DOTATOC PET in patients with meningioma. *Journal of Neuro-Oncology*, 164(2), 711–720. <https://doi.org/10.1007/s11060-023-04414-3>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Teichmann, F., Korjenic, A., Sreckovic, M., Veit, H., & Hartmann, D. (2023). Financing Green Infrastructure in Schools: A Case Study in Austria. *Sustainability*, 15(20), Article 14985. <https://doi.org/10.3390/su152014985>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Werner, J., Smith, J., Stöger, B., Artner, W., Werner, A., & Weinberger, P. (2023). Characterization of Calcium Dicarboxylate Salt Hydrates as Thermochemical Energy Storage Materials. *Crystals*, 13(10), Article 1518. <https://doi.org/10.3390/cryst13101518>

[Link](#)

104 Chemie

De Pace, F., & Kaufmann, H. (2023). A systematic evaluation of an RTK-GPS device for wearable augmented reality. *Virtual Reality*. <https://doi.org/10.1007/s10055-023-00863-3>

[Link](#)

101 Mathematik

102 Informatik

Kattukudiyil Narayanan, N., Pittenauer, E., & Schnürch, M. (2023). 2-(o-Tolyl) Pyridine as Ligand Improves the Efficiency in Ketone Directed ortho-Arylation. *European Journal of Organic Chemistry*, 26(42), Article e202300759. <https://doi.org/10.1002/ejoc.202300759>

[Link](#)

104 Chemie

Maschauer, D., Steiner, D., Mirwald, J., & Hofko, B. (2023). Chemical and mechanical analysis of VAPro- aged asphalt binders from different crude oil sources. *Materials and Structures*, 56(9), Article 168. <https://doi.org/10.1617/s11527-023-02249-y>

[Link](#)

104 Chemie

201 Bauwesen

Daniilidis, A., & Tapia Garcia, S. (2023). Oriented Calmness and Sweeping Process Dynamics. *Mathematics of Operations Research*. <https://doi.org/10.1287/moor.2021.0269>

[Link](#)

101 Mathematik

Fischer, H., & Korjenic, A. (2023). Hygrothermal Performance of Bio-Based Exterior Wall Constructions and Their Resilience under Air Leakage and Moisture Load. *Buildings*, 13(10), Article 2650. <https://doi.org/10.3390/buildings13102650>

[Link](#)

201 Bauwesen
205 Werkstofftechnik
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Krämer, C., Kugi, A., & Kemmetmüller, W. (2023). Optimal force control of a permanent magnet linear synchronous motor with multiple shuttles. *ISA Transactions*, 140, 483–489. <https://doi.org/10.1016/j.isatra.2023.05.012>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bendra, M., Fiorentini, S., Selberherr, S., Gös, W., & Sverdlov, V. (2023). A multi-level cell for ultra-scaled STT-MRAM realized by back-hopping. *Solid-State Electronics*, 208, Article 108738. <https://doi.org/10.1016/j.sse.2023.108738>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ceric, H., Lacerda de Orio, R., & Selberherr, S. (2023). Microstructural impact on electromigration reliability of gold interconnects. *Solid-State Electronics*, 200, Article 108528. <https://doi.org/10.1016/j.sse.2022.108528>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Poik, M., Hackl, T., Di Martino, S., Schober, M., Dang, J., & Schitter, G. (2023). Model-Based RF Sensing for Contactless High-Resolution Voltage Measurements. *IEEE Transactions on Instrumentation and Measurement*, 72, 1–8. <https://doi.org/10.1109/TIM.2023.3317385>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rath, M., Friessnegger, B., Angerer, P., Raninger, P., Stanojevic, A., & Kozeschnik, E. (2023). In-situ characterization method for the delta phase precipitation kinetics in the nickel-base alloy 718 using high-temperature X-ray diffraction (HT-XRD) techniques. *Materials Characterization*, 206(A), Article 113382. <https://doi.org/10.1016/j.matchar.2023.113382>

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Vogltreiter, P., Kerbl, B., Weinrauch, A., Mueller, J. H., Neff, T., Steinberger, M., & Schmalstieg, D. (2023). Trim Regions for Online Computation of From-Region Potentially Visible Sets. *ACM Transactions on Graphics*, 42(4), 1–15. <https://doi.org/10.1145/3592434>

[Link](#)

101 Mathematik
102 Informatik

Singer, N. K., Schlögl, K., Zobel, P., Mihovilovic, M. D., & González, L. (2023). Singlet and Triplet Pathways Determine the Thermal Z/E Isomerization of an Arylazopyrazole-Based Photoswitch. *Journal of Physical Chemistry Letters*, 14(40), 8956–8961. <https://doi.org/10.1021/acs.jpcclett.3c01785>

[Link](#)

104 Chemie

Kasper, L., Schwarzmayer, P., Birkelbach, F., Javernik, F., Schwaiger, M., & Hofmann, R. (2024). A digital twin-based adaptive optimization approach applied to waste heat recovery in green steel production: Development and experimental investigation. *Applied Energy*, 353(B), Article 122192. <https://doi.org/10.1016/j.apenergy.2023.122192>

[Link](#)

102 Informatik

203 Maschinenbau

Krasna, H., Baldreich, L., Böhm, J., Böhm, S., Gruber, J. F., Hellerschmied, A., Jaron, F. F. D., Kern, L. M., Mayer, D., Nothnagel, A. G., Panzenböck, O., & Wolf, H. (2023). VLBI celestial and terrestrial reference frames VIE2022b. *Astronomy & Astrophysics*, 679, Article A53. <https://doi.org/10.1051/0004-6361/202245434>

[Link](#)

103 Physik, Astronomie

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Fischer, C., Haspl, T., Rathmair, M., & Schlund, S. (2023). Sichere roboterbasierte Produktion: Trends und Revisionen in Europäischen Normen und Richtlinien. *Elektrotechnik und Informationstechnik*: e & i, 140(6), 551–561. <https://doi.org/10.1007/s00502-023-01155-z>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Fischer, C., Neuhold, M., Steiner, M., Haspl, T., Rathmair, M., & Schlund, S. (2023). Collision Tests in Human-Robot Collaboration: Experiments on the Influence of Additional Impact Parameters on Safety. *IEEE Access*, 11, 118395–118413. <https://doi.org/10.1109/ACCESS.2023.3327301>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Kaiser, M., Steinacher, M., Lukas, F., & Gaertner, P. (2023). Carpe diene! Europium-catalyzed [3,3] and [5,5] rearrangements of aryl-pentadienyl ethers. *RSC Advances*, 13(46), 32077–32082. <https://doi.org/10.1039/d3ra05641d>

[Link](#)

104 Chemie

Donev, V., Díaz Flores, R., Eberhardsteiner, L., Zelaya-Lainez, L., Hellmich, C., Buchta, M., & Pichler, B. L. A. (2023). Instrumentation of Field-Testing Sites for Dynamic Characterization of the Temperature-Dependent Stiffness of Pavements and Their Layers. *Structural Control and Health Monitoring*, 2023, Article 2857660. <https://doi.org/10.1155/2023/2857660>

[Link](#)

201 Bauwesen

Raith, P., Rausch, T., Furutanpey, A., & Dustdar, S. (2023). faas-sim: A trace-driven simulation framework for serverless edge computing platforms. *Software: Practice and Experience*, 53(12), 2327–2361. <https://doi.org/10.1002/spe.3277>

[Link](#)

102 Informatik

Zechmeister, H. G., Möslinger, L., Korjenic, A., Streit, E., Sulejmanovski, A., Frank, P. N., & Hummel, E. (2023). Viability of living moss for indoor green walls: a study on temperature, humidity, and irrigation. *Sustainability*, 15(21), Article 15625. <https://doi.org/10.3390/su152115625>

[Link](#)

106 Biologie

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gull, J., & Kosina, H. (2023). Monte Carlo study of electron–electron scattering effects in FET channels. *Solid-State Electronics*, 208, Article 108730. <https://doi.org/10.1016/j.sse.2023.108730>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ansari, F., Kohl, L., & Sihn, W. (2023). A competence-based planning methodology for optimizing human resource allocation in industrial maintenance. *CIRP Annals - Manufacturing Technology*, 72(1), 389–392. <https://doi.org/10.1016/j.cirp.2023.04.050>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Sanchez Romero, M., Schuster, P., & Fürnkranz-Prskawetz, A. (2023). Redistributive effects of pension reforms: who are the winners and losers? *Journal of Pension Economics and Finance*. <https://doi.org/10.1017/S147474722300015X>

[Link](#)

101 Mathematik

502 Wirtschaftswissenschaften

Ederer, M., & Löffler, S. (2024). Optimizing experimental parameters for orbital mapping. *Ultramicroscopy*, 256, Article 113866. <https://doi.org/10.1016/j.ultramic.2023.113866>

[Link](#)

103 Physik, Astronomie

104 Chemie

210 Nanotechnologie

Freude, C., Hahn, D., Rist, F., Lipp, L., & Wimmer, M. (2023). Precomputed radiative heat transport for efficient thermal simulation. *Computer Graphics Forum*, 42(7), Article e14957. <https://doi.org/10.1111/cgf.14957>

[Link](#)

102 Informatik

201 Bauwesen

Kilian, M., Müller, C., & Tervooren, J. (2023). Smooth and Discrete Cone-Nets. *Results in Mathematics*, 78(3), Article 110. <https://doi.org/10.1007/s00025-023-01884-9>

[Link](#)

101 Mathematik

102 Informatik

Klamert, V., Achsel, T., Toker, E., Bublin, M., & Otto, A. (2023). Real-time optical detection of artificial coating defects in PBF-LB/P using a low-cost camera solution and convolutional neural networks. *Applied Sciences*, 13(20), Article 11273. <https://doi.org/10.3390/app132011273>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Kojic, D., Ehrmann, K., Wolff, R., Mete, Y., Koch, T., Stampfl, J., Baudis, S., & Liska, R. (2023). Stereolithographic 3D printing of pure poly(ether-ester) networks from spirocyclic monomers via cationic ring-opening photopolymerization at high temperatures. *Polymer Chemistry*, 14(42), 4809–4818. <https://doi.org/10.1039/D3PY00787A>

[Link](#)

104 Chemie

Primerano, K., Mirwald, J., Lohninger, J., & Hofko, B. (2023). Characterization of long-term aged bitumen with FTIR spectroscopy and multivariate analysis methods. *Construction and Building Materials*, 409, Article 133956. <https://doi.org/10.1016/j.conbuildmat.2023.133956>

[Link](#)

104 Chemie
201 Bauwesen

Iglesias Vázquez, F., & Zseby, T. (2023). Temporal silhouette: validation of stream clustering robust to concept drift. *Machine Learning*. <https://doi.org/10.1007/s10994-023-06462-2>

[Link](#)

101 Mathematik
102 Informatik
202 Elektrotechnik, Elektronik, Informationstechnik

Zenz, C., Buttazzoni, M., Florian, T., Crespo Armijos, K. E., Gómez Vázquez, R., Liedl, G., & Otto, A. (2024). A compressible multiphase Mass-of-Fluid model for the simulation of laser-based manufacturing processes. *Computers and Fluids*, 268, Article 106109. <https://doi.org/10.1016/j.compfluid.2023.106109>

[Link](#)

103 Physik, Astronomie
203 Maschinenbau
205 Werkstofftechnik

Neunteufel, M., Schöberl, J., & Sturm, K. (2023). Numerical shape optimization of the Canham-Helfrich-Evans bending energy. *Journal of Computational Physics*, 488, Article 112218. <https://doi.org/10.1016/j.jcp.2023.112218>

[Link](#)

101 Mathematik

Maggio, E., Smolyanyuk, A., & Tomczak, J. M. (2023). Local symmetry groups for arbitrary wavevectors. *Journal of Physics A: Mathematical and Theoretical*, 56(45), Article 455307. <https://doi.org/10.1088/1751-8121/ad0011>

[Link](#)

103 Physik, Astronomie

Valli, A., & Tomczak, J. M. (2023). Resistance saturation in semi-conducting polyacetylene molecular wires. *Journal of Computational Electronics*, 22(5), 1363–1376. <https://doi.org/10.1007/s10825-023-02043-7>

[Link](#)

103 Physik, Astronomie

Raghuram, H., Roitner, J., Jones, M. P., & Archodoulaki, V.-M. (2023). Recycling of polyethylene: Tribology assessment. *Resources, Conservation and Recycling*, 192, Article 106925. <https://doi.org/10.1016/j.resconrec.2023.106925>

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Raghuram, H., Seier, M., Koch, T., Jones, M. P., & Archodoulaki, V.-M. (2023). Smart design choices provide new applications for recycled polypropylene: The case for tribology. *Sustainable Materials and Technologies*, 38, Article e00745. <https://doi.org/10.1016/j.susmat.2023.e00745>

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Derx, J., Müller-Thomy, H., Kilic, H. S., Cervero-Arago, S., Linke, R., Lindner, G., Walochnik, J., Sommer, R., Komma, J., Farnleitner, A., & Blaschke, A. P. (2023). A probabilistic-deterministic approach for assessing climate change effects on infection risks downstream of sewage emissions from CSOs. *Water Research*, 247, Article 120746. <https://doi.org/10.1016/j.watres.2023.120746>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Tapia Garcia, S. (2024). Recurrence and vectors escaping to infinity for Lipschitz operators. *Journal of Mathematical Analysis and Applications*, 530(2), Article 127658. <https://doi.org/10.1016/j.jmaa.2023.127658>

[Link](#)

101 Mathematik

Schlossnikl, J., Pinter, E., Jones, M. P., Koch, T., & Archodoulaki, V.-M. (2024). Unexpected obstacles in mechanical recycling of polypropylene labels: Are ambitious recycling targets achievable? *Resources, Conservation and Recycling*, 200, Article 107299. <https://doi.org/10.1016/j.resconrec.2023.107299>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Feichtinger, G., Grass, D., Kort, P. M., Novak, A. J., Seidl, A., & Wrzaczek, S. (2023). How Hartl exceeds Skiba: determinants of a successful career in academia. *Central European Journal of Operations Research*. <https://doi.org/10.1007/s10100-023-00889-7>

[Link](#)

101 Mathematik

102 Informatik

502 Wirtschaftswissenschaften

Huber, D., Birkelbach, F., & Hofmann, R. (2024). Unlocking the potential of synthetic fuel production: Coupled optimization of heat exchanger network and operating parameters of a 1 MW power-to-liquid plant. *Chemical Engineering Science*, 284, Article 119506. <https://doi.org/10.1016/j.ces.2023.119506>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Seifried, T., Reyzek, F., Bieber, P., & Grothe, H. (2023). Scots Pines (*Pinus sylvestris*) as Sources of Biological Ice-Nucleating Macromolecules (INMs). *Atmosphere*, 14(2), Article 266. <https://doi.org/10.3390/atmos14020266>

[Link](#)

104 Chemie

Steiner, M., & Flores Orozco, A. (2023). formikoj: A flexible library for data management and processing in geophysics—Application for seismic refraction data. *Computers and Geosciences*, 176, Article 105339. <https://doi.org/10.1016/j.cageo.2023.105339>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Meiringer, M., Kugi, A., & Kemmetmüller, W. (2023). Semi-autonomous operation of a mobile concrete pump. *Automation in Construction*, 156, Article 105079. <https://doi.org/10.1016/j.autcon.2023.105079>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Raffaelli, M. (2023). Classification of Rank-One Submanifolds. *Results in Mathematics*, 78(6), Article 208. <https://doi.org/10.1007/s00025-023-01982-8>

[Link](#)

101 Mathematik

102 Informatik

- Raffaelli, M. (2023). Total torsion of three-dimensional lines of curvature. *Geometriae Dedicata*, 217(6), Article 96. <https://doi.org/10.1007/s10711-023-00833-8>
[Link](#)
101 Mathematik
102 Informatik
- Kramlinger, P., Schneider, U., & Krivobokova, T. (2023). Uniformly valid inference based on the Lasso in linear mixed models. *Journal of Multivariate Analysis*, 198, Article 105230. <https://doi.org/10.1016/j.jmva.2023.105230>
[Link](#)
101 Mathematik
102 Informatik
- Kahlenberg, R., Wojcik, T., Falkinger, G., Krejci, A. L., Milkereit, B., & Kozeschnik, E. (2023). On the precipitation mechanisms of β -Mg₂Si during continuous heating of AA6061. *Acta Materialia*, 261, 119345. <https://doi.org/10.1016/j.actamat.2023.119345>
[Link](#)
205 Werkstofftechnik
- Fischer, S., Schranz, C., Urban, H., & Pfeiffer, D. (2023). Automation of escape route analysis for BIM-based building code checking. *Automation in Construction*, 156, Article 105092. <https://doi.org/10.1016/j.autcon.2023.105092>
[Link](#)
201 Bauwesen
- Rasoulzadeh, S., Senk, V., Königsberger, M., Reisinger, J., Kovacic, I., Füssl, J., & Wimmer, M. (2023). A Novel Integrative Design Framework Combining 4D Sketching, Geometry Reconstruction, Micromechanics Material Modelling, and Structural Analysis. *Advanced Engineering Informatics*, 57, Article 102074. <https://doi.org/10.1016/j.aei.2023.102074>
[Link](#)
102 Informatik
201 Bauwesen
203 Maschinenbau
- Bodner, C., Kiesenhofer, D., Schütz, G., & Brameshuber, M. (2023). Monte Carlo simulations for the evaluation of oligomerization data in TOCCSL experiments. *Biophysical Journal*, 122(11), 2367–2380. <https://doi.org/10.1016/j.bpj.2023.04.021>
[Link](#)
103 Physik, Astronomie
- Kabashi, V., Liberto, T., & Robisson, A. (2023). Shear-induced particle migration in a cement slurry under oscillatory pipe flow. *Journal of Non-Newtonian Fluid Mechanics*, 319, Article 105071. <https://doi.org/10.1016/j.jnnfm.2023.105071>
[Link](#)
201 Bauwesen
205 Werkstofftechnik
207 Umweltingenieurwesen, Angewandte Geowissenschaften
- Oliynyk, D., Mayer, R., & Rauber, A. (2023). I Know What You Trained Last Summer: A Survey on Stealing Machine Learning Models and Defences. *ACM Computing Surveys*, 55(14s), Article 324. <https://doi.org/10.1145/3595292>
[Link](#)
102 Informatik

Lederer, I., Mayer, R., & Rauber, A. (2023). Identifying Appropriate Intellectual Property Protection Mechanisms for Machine Learning Models: A Systematization of Watermarking, Fingerprinting, Model Access, and Attacks. *IEEE Transactions on Neural Networks and Learning Systems*. <https://doi.org/10.1109/TNNLS.2023.3270135>

[Link](#)

102 Informatik

Ungersbock, M., Hiessl, T., Schall, D., & Michahelles, F. (2023). Explainable Federated Learning: A Lifecycle Dashboard for Industrial Settings. *IEEE Pervasive Computing*, 22(1), 19–28. <https://doi.org/10.1109/MPRV.2022.3229166>

[Link](#)

101 Mathematik

102 Informatik

Pasic, F., Di Cicco, N., Skocaj, M., Tornatore, M., Schwarz, S., Mecklenbrauker, C. F., & Degli-Esposti, V. (2023). Multi-Band Measurements for Deep Learning-Based Dynamic Channel Prediction and Simulation. *IEEE Communications Magazine*, 61(9), 98–104. <https://doi.org/10.1109/MCOM.003.2200718>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Reismüller, R., Lukacevic, M., Pech, S., Jäger, A., & Füssl, J. (2023). A numerical unit cell model for predicting the failure stress state of vertically perforated clay block masonry under arbitrary in-plane loads. *Engineering Structures*, 293, Article 116557. <https://doi.org/10.1016/j.engstruct.2023.116557>

[Link](#)

201 Bauwesen

Jimenez Segura, N., Pichler, B., & Hellmich, C. (2023). Concentration tensors preserving elastic symmetry of multiphase composites. *Mechanics of Materials*, 178, Article 104555. <https://doi.org/10.1016/j.mechmat.2023.104555>

[Link](#)

103 Physik, Astronomie

201 Bauwesen

Jiménez Segura, N., Pichler, B., & Hellmich, C. (2023). A Green's function-based approach to the concentration tensor fields in arbitrary elastic microstructures. *Frontiers in Materials*, 10, Article 1137057. <https://doi.org/10.3389/fmats.2023.1137057>

[Link](#)

103 Physik, Astronomie

201 Bauwesen

Jimenez Segura, N., Pichler, B., & Hellmich, C. (2023). Mix-, storage- and temperature-invariant precipitation characteristics in white cement paste, expressed through an NMR-based analytical model. *Cement and Concrete Research*, 172, Article 107237. <https://doi.org/10.1016/j.cemconres.2023.107237>

[Link](#)

201 Bauwesen

Leopold, M., Krlovic, N., Schagerl, M., Schelker, J., & Kirschner, A. K. T. (2023). Short-term impacts of a large cultural event on the microbial pollution status of a pre-alpine river. *Journal of Water and Health*, 21(12), 1898–1907. <https://doi.org/10.2166/wh.2023.232>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Perez Messina, I. B., Ceneda, D., & Miksch, S. (2024). Guided visual analytics for image selection in time and space. *IEEE Transactions on Visualization and Computer Graphics*, 30(1), 66–75. <https://doi.org/>

10.1109/TVCG.2023.3326572

[Link](#)

102 Informatik

Mühl, J., Skutan, S., Stockinger, G., Blasenbauer, D., & Lederer, J. (2023). Glass recovery and production of manufactured aggregate from MSWI bottom ashes from fluidized bed and grate incineration by means of enhanced treatment. *Waste Management*, 168, 321–333. <https://doi.org/10.1016/j.wasman.2023.05.048>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schneckenreither, G., Herrmann, L., Reisenhofer, R., Popper, N., & Grohs, P. (2023). Assessing the heterogeneity in the transmission of infectious diseases from time series of epidemiological data. *PLoS ONE*, 18(5), Article e0286012. <https://doi.org/10.1371/journal.pone.0286012>

[Link](#)

101 Mathematik

102 Informatik

305 Andere Humanmedizin, Gesundheitswissenschaften

Huber, T., Untermarzoner, F., & Kollegger, J. (2023). Experimental investigation and mechanical modelling of shear failure in reinforced concrete members with plain and ribbed bent-up bars. *Engineering Structures*, 283, Article 115793. <https://doi.org/10.1016/j.engstruct.2023.115793>

[Link](#)

201 Bauwesen

Bachmann, S., Pahr, D., & Synek, A. (2023). Hip joint load prediction using inverse bone remodeling with homogenized FE models: Comparison to micro-FE and influence of material modeling strategy. *Computer Methods and Programs in Biomedicine*, 236, Article 107549. <https://doi.org/10.1016/j.cmpb.2023.107549>

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

305 Andere Humanmedizin, Gesundheitswissenschaften

Wallinger, M., Dobler, A., & Nöllenburg, M. (2023). LinSets.zip: Compressing Linear Set Diagrams. *IEEE Transactions on Visualization and Computer Graphics*, 29(6), 2875–2887. <https://doi.org/10.1109/TVCG.2023.3261934>

[Link](#)

101 Mathematik

102 Informatik

Angleitner, N., Faustmann, M., & Melenk, J. M. (2023). H-inverses for RBF interpolation. *Advances in Computational Mathematics*, 49(6), Article 85. <https://doi.org/10.1007/s10444-023-10069-5>

[Link](#)

101 Mathematik

Wölflechner, T., & Stöger, B. (2023). Order-disorder (OD) polytypism of $K_3FeTe_2O_8(OH)_2(H_2O)_1$?. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, 79(6), 510–518. <https://doi.org/10.1107/S2052520623009162>

[Link](#)

101 Mathematik

104 Chemie

Schwarzmayr, P., Birkelbach, F., Walter, H., Javernik, F., Schwaiger, M., & Hofmann, R. (2024). Packed bed thermal energy storage for waste heat recovery in the iron and steel industry: A cold model study on powder hold-up and pressure drop. *Journal of Energy Storage*, 75, Article 109735. <https://doi.org/10.1016/j.est.2023.109735>

[Link](#)

203 Maschinenbau

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hasenhündl, M., Bauernberger, L. S., & Böhm, C. (2023). Extending morphometric scaling relationships: the role of bankfull width in unifying subaquatic channel morphologies. *Frontiers in Earth Science*, 11. <https://doi.org/10.3389/feart.2023.1290509>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Peitl, T., & Szeider, S. (2023). Are hitting formulas hard for resolution? *Discrete Applied Mathematics*, 337, 173–184. <https://doi.org/10.1016/j.dam.2023.05.003>

[Link](#)

101 Mathematik

102 Informatik

Schidler, A., & Szeider, S. (2023). Computing optimal hypertree decompositions with SAT. *Artificial Intelligence*, 325, Article 104015. <https://doi.org/10.1016/j.artint.2023.104015>

[Link](#)

101 Mathematik

102 Informatik

Wolf, H., & Böhm, J. (2023). Optimal distribution of VLBI transmitters in the Galileo space segment for frame ties. *Earth, Planets and Space*, 75(1), Article 173. <https://doi.org/10.1186/s40623-023-01926-0>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Raab, M., Zeininger, J., Suchorski, Y., Genest, A., Weigl, C., & Rupprechter, G. (2023). Lanthanum modulated reaction pacemakers on a single catalytic nanoparticle. *Nature Communications*, 14(1), Article 7186. <https://doi.org/10.1038/s41467-023-43026-3>

[Link](#)

104 Chemie

Babor, L., & Kuhlmann, H. C. (2023). Linear stability of thermocapillary flow in a droplet attached to a hot or cold substrate. *Physical Review Fluids*, 8(11), Article 114003. <https://doi.org/10.1103/PhysRevFluids.8.114003>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Brenner, S., Frühwirth, T., & Mayer, S. (2023). Revealing ‘invisible’ poetry by W. H. Auden through computer vision: Using photometric stereo to visualize indented impressions. *Digital Scholarship in the Humanities*, 38(4), 1404–1417. <https://doi.org/10.1093/lhc/fqad037>

[Link](#)

101 Mathematik

102 Informatik

Kapeller, R., Bügelmayer-Blaschek, M., Herndler, B., Kranzl, L., Müller, A., Moser, S., Natiesta, T., Reichl, J., & Schwalbe, R. (2023). The effects of climate change-induced cooling demand on power grids. *Energy Reports*, 11, 674–691. <https://doi.org/10.1016/j.egy.2023.07.028>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wang, S., Strauss, P., Weninger, T., Szeles, B., & Blöschl, G. (2023). Accounting for the spatial range of soil properties in pedotransfer functions. *Geoderma*, 432, Article 116411. <https://doi.org/10.1016/j.geoderma.2023.116411>

[Link](#)

105 Geowissenschaften

201 Bauwesen

Baranyi, R., Hasimbegovic, A., Winkler, S., Aigner, C., Spiesberger, P., & Grechenig, T. (2023). Supporting sustainable development goals through a gamified mHealth application for people with albinism in Africa. *Entertainment Computing*, 46, 1–9. <https://doi.org/10.1016/j.entcom.2023.100561>

[Link](#)

102 Informatik

Pichler, C. (2023). Coupled Electrochemical Processes as Versatile Route for Converting Waste Substrates into Value Added Chemical Products. *ChemCatChem*, 15(20), Article e202300648. <https://doi.org/10.1002/cctc.202300648>

[Link](#)

103 Physik, Astronomie

Diaz Flores, R., Aminbaghai, M., Eberhardsteiner, L., Blab, R., Buchta, M., & Pichler, B. L. A. (2023). T-shaped arrangement of geophones for rapid quantification of asymmetric behaviour of concrete slabs in central FWD tests. *International Journal of Pavement Engineering*, 24(1), Article 2179050. <https://doi.org/10.1080/10298436.2023.2179050>

[Link](#)

201 Bauwesen

Fellner, M., & Jüngel, A. (2024). A coupled stochastic differential reaction–diffusion system for angiogenesis. *Journal of Computational and Applied Mathematics*, 438, Article 115570. <https://doi.org/10.1016/j.cam.2023.115570>

[Link](#)

101 Mathematik

Helmer, C., & Jüngel, A. (2023). Existence analysis for a reaction-diffusion Cahn–Hilliard-type system with degenerate mobility and singular potential modeling biofilm growth. *Discrete and Continuous Dynamical Systems - Series A*, 43(10), 3839–3861. <https://doi.org/10.3934/dcds.2023069>

[Link](#)

101 Mathematik

Galli, J., Baranyi, R., Hoelbling, D., Pinter, K., Aigner, C., Hörner, W., & Grechenig, T. (2023). Prevention and rehabilitation gaming support for ankle injuries usable by semi-professional athletes using commercial off-the-shelf sensors. *Applied Sciences*, 13(16), Article 9193. <https://doi.org/10.3390/app13169193>

[Link](#)

102 Informatik

Cizmic, D., Hölbling, D., Baranyi, R., Breiteneder, R., & Grechenig, T. (2023). Smart Boxing Glove “RD a”": IMU Combined with Force Sensor for Highly Accurate Technique and Target Recognition Using Machine Learning. *Applied Sciences*, 13(16), Article 9073. <https://doi.org/10.3390/app13169073>

[Link](#)

102 Informatik

Wolflehner, T., Stöger, B., & Weil, M. (2023). The calcium oxidotellurates $\text{Ca}_2(\text{TeIVTeVIO}_7)$, $\text{Ca}_2(\text{TeIVO}_3)\text{Cl}_2$ and $\text{Ca}_5(\text{TeIVO}_3)_4\text{Cl}_2$ obtained from salt melts. *Zeitschrift Für Naturforschung B*, 78(3–

4), 95–104. <https://doi.org/10.1515/znb-2022-0304>

[Link](#)

104 Chemie

Eder, F., Miletich, R., & Weil, M. (2023). $K[(CuII,MnII,MnIII)_2(TeO_3)_3] \cdot 2H_2O$, the first zemannite-type structure based on a Jahn-Teller-distorted framework. *Mineralogy and Petrology*, 117(2), 133–143. <https://doi.org/10.1007/s00710-022-00808-9>

[Link](#)

104 Chemie

Jüngel, A., & Vetter, M. (2023). A Convergent Entropy-Dissipating BDF2 Finite-Volume Scheme for a Population Cross-Diffusion System. *Computational Methods in Applied Mathematics*. <https://doi.org/10.1515/cmam-2023-0009>

[Link](#)

101 Mathematik

Dziwok, A.-C., Brunner, A., Hayden, M., & Adam, D. (2023). Großmaßstäbliche Versuche zum Last-Verformungsverhalten an Duktülpfählen im Wiener Donauschotter. *Bauingenieur*, 98(12), 400–409. <https://doi.org/10.37544/0005-6650-2023-12-44>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kratena, N., Weil, M., & Gärtner, P. (2023). A biomimetic approach for the concise total synthesis of greenwaylactams A-C. *Organic and Biomolecular Chemistry*, 21(31), 6317–6319. <https://doi.org/10.1039/d3ob01001e>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Stagel, K., Ielo, L., & Bica-Schröder, K. (2023). Continuous synthesis of carbamates from CO₂ and amines. *ACS Omega*, 8(50), 48444–48450. <https://doi.org/10.1021/acsomega.3c08248>

[Link](#)

104 Chemie

Bichelmaier, S., Carrete, J., & Madsen, G. K. H. (2023). Evaluating the efficiency of power-series expansions as model potentials for finite-temperature atomistic calculations. *International Journal of Quantum Chemistry*, 123(11), Article e27095. <https://doi.org/10.1002/qua.27095>

[Link](#)

104 Chemie

Varain, L., Larisegger, S., Nelhiebel, M., & Fafilek, G. (2023). Simultaneous measurement and ODE-modeling of ion- and water permeability through ion exchange membranes. *Journal of Membrane Science*, 684, Article 121847. <https://doi.org/10.1016/j.memsci.2023.121847>

[Link](#)

104 Chemie

Pfeiffer, P., & Filzmoser, P. (2023). Robust statistical methods for high-dimensional data, with applications in tribology. *Analytica Chimica Acta*, 1279(341762). <https://doi.org/10.34726/5289>

[Link](#)

101 Mathematik

Rieser, C., & Filzmoser, P. (2023). Extending compositional data analysis from a graph signal processing perspective. *Journal of Multivariate Analysis*, 198, Article 105209. <https://doi.org/10.1016/j.jmva>

2023.105209

[Link](#)

101 Mathematik

Ruppitsch, L. A., Ecker, J., Koch, T., Ehrmann, K., Stampfl, J., & Liska, R. (2023). Dynamic monomers for hot lithography: the UPy motif as a versatile tool towards stress relaxation, reprocessability, and 3D printing. *Journal of Polymer Science*, 61(13), 1318–1334. <https://doi.org/10.1002/pol.20220721>

[Link](#)

104 Chemie

203 Maschinenbau

204 Chemische Verfahrenstechnik

Fahrnberger, F., Siebenhofer, M., Hutter, H., & Kubicek, M. (2023). Investigation of atomic-scale decorations on mixed conducting oxides via time-of-flight secondary ion mass spectrometry (ToF-SIMS). *Applied Surface Science*, 640, Article 158312. <https://doi.org/10.1016/j.apsusc.2023.158312>

[Link](#)

104 Chemie

Ražnjevic, S., Siebenhofer, M., Bumberger, A. E., Böhme, C., Riedl, C., Chen, Z., Kubicek, M., & Zhang, Z. (2023). Electron beam-induced brownmillerite–perovskite phase transition in $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_{3-d}$. *Applied Physics Letters*, 122(21), Article 211903. <https://doi.org/10.1063/5.0142666>

[Link](#)

104 Chemie

Siebenhofer, M., Haselmann, U., Nenning, A., Friedbacher, G., Bumberger, A., Wurster, S., Artner, W., Hutter, H., Zhang, Z., Fleig, J., & Kubicek, M. (2023). Surface chemistry and degradation processes of dense $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ thin film electrodes. *Journal of The Electrochemical Society*, 170(1), Article 014501. <https://doi.org/10.1149/1945-7111/acada8>

[Link](#)

104 Chemie

Stummer, V., Flöry, T., Schneller, M., Kaksis, E., Zeiler, M., Pugžlys, A., & Baltuška, A. (2023). Spectral peak recovery in parametrically amplified THz-repetition-rate bursts. *Optics Express*, 31(22), 37040–37049. <https://doi.org/10.1364/OE.495480>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schartmüller, F., Hauser, M., Kuttner, A., Zimmermann, H., & Hofbauer, M. (2023). Direct-sequence-CDMA in highly sensitive indirect time-of-flight distance sensor. *IEEE Photonics Journal*, 15(6), Article 6802308. <https://doi.org/10.1109/JPHOT.2023.3334372>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hummel, F. (2023). On the chemical potential of many-body perturbation theory in extended systems. *Journal of Chemical Theory and Computation*, 19(5), 1568–1581. <https://doi.org/10.1021/acs.jctc.2c01043>

[Link](#)

103 Physik, Astronomie

Käding, C., & Pitschmann, M. (2023). New method for directly computing reduced density matrices. *Physical Review D*, 107(1), Article 016005. <https://doi.org/10.1103/PhysRevD.107.016005>

[Link](#)

103 Physik, Astronomie

Koch, B., Käding, C., Pitschmann, M., & Sedmik, R. I. P. (2023). Vacuum Energy, the Casimir Effect, and Newton's Non-Constant. *Universe*, 9(11), Article 476. <https://doi.org/10.3390/universe9110476>

[Link](#)

103 Physik, Astronomie

Käding, C., Pitschmann, M., & Abele, H. (2023). Green's function analysis of the neutron Lloyd interferometer. *Zeitschrift Fur Naturforschung A: A Journal of Physical Sciences*, 78(7), 651–658. <https://doi.org/10.1515/zna-2023-0045>

[Link](#)

103 Physik, Astronomie

Käding, C., Pitschmann, M., & Voith, C. (2023). Dilaton-induced open quantum dynamics. *The European Physical Journal C*, 83, Article 767. <https://doi.org/10.1140/epjc/s10052-023-11939-4>

[Link](#)

103 Physik, Astronomie

Königsberger, M., Lukacevic, M., & Füssl, J. (2023). Multiscale micromechanics modeling of plant fibers: upscaling of stiffness and elastic limits from cellulose nanofibrils to technical fibers. *Materials and Structures*, 56(1), Article 13. <https://doi.org/10.1617/s11527-022-02097-2>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Dugan, A., Prskawetz, A., & Raffin, N. (2023). The environment, life expectancy, and growth in overlapping generations models: A survey. *Journal of Economic Surveys*. <https://doi.org/10.1111/joes.12602>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Rammerstorfer, F. (2024). Buckling of stretched strips - reconsidered and extended. *Computers and Structures*, 290, Article 107193. <https://doi.org/10.1016/j.compstruc.2023.107193>

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

Kerndler, M. (2023). Occupational safety in a frictional labor market. *Labour Economics*, 83, Article 102388. <https://doi.org/10.1016/j.labeco.2023.102388>

[Link](#)

101 Mathematik

502 Wirtschaftswissenschaften

Gasteiger, E., & Grimaud, A. B. P. (2023). Price setting frequency and the Phillips curve. *European Economic Review*, 158, Article 104535. <https://doi.org/10.1016/j.euroecorev.2023.104535>

[Link](#)

502 Wirtschaftswissenschaften

Bernkopf, M., & Melenk, J. M. (2023). Optimal convergence rates in L2 for a first order system least squares finite element method. *ESAIM-MATHEMATICAL MODELLING AND NUMERICAL ANALYSIS*, 57(1), 107–141. <https://doi.org/10.1051/m2an/2022026>

[Link](#)

101 Mathematik

Sharifmoghaddam, K., Maleczek, R., & Nawratil, G. (2023). Generalizing rigid-foldable tubular structures of T-hedral type. *Mechanics Research Communications*, 132, Article 104151. <https://doi.org/10.1016/j.mechrescom.2023.104151>

[Link](#)

101 Mathematik
102 Informatik

Eibl, G., Kazmi, J., Langthaler, O., Schirl, M., & Wilker, S. (2023). Towards interoperable local energy communities in Austria. *Elektrotechnik Und Informationstechnik?: E & i*, 140(5), 432–440. <https://doi.org/10.1007/s00502-023-01150-4>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Lackner, M.-L., Mrkvicka, C., Musliu, N., Walkiewicz, D., & Winter, F. (2023). Exact methods for the Oven Scheduling Problem. *Constraints*, 28(2), 320–361. <https://doi.org/10.1007/s10601-023-09347-2>

[Link](#)

102 Informatik

Galby, E., Khazaliya, L., Mc Inerney, F., Sharma, R., & Tale, P. (2023). Metric Dimension Parameterized by Feedback Vertex Set and Other Structural Parameters. *SIAM Journal on Discrete Mathematics*, 37(4), 2241–2264. <https://doi.org/10.1137/22M1510911>

[Link](#)

101 Mathematik
102 Informatik

Markt, R., Stillebacher, F., Nägele, F., Kammerer, A., Peer, N., Payr, M., Scheffknecht, C., Dria, S., Draxl-Weiskopf, S., Mayr, M., Rauch, W., Kreuzinger, N., Rainer, L., Bachner, F., Zuba, M., Ostermann, H., Lackner, N., Insam, H., & Wagner, A. O. (2023). Expanding the Pathogen Panel in Wastewater Epidemiology to Influenza and Norovirus. *Viruses*, 15(2), Article 263. <https://doi.org/10.3390/v15020263>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Walter, T., Khatibi, G., Betzwar Kotas, A., & Kretschy, N. (2023). In-situ delamination detection in multi-layered semiconductor packages. *Microelectronics Reliability*, 150, Article 115098. <https://doi.org/10.1016/j.microrel.2023.115098>

[Link](#)

103 Physik, Astronomie
104 Chemie

Kocbay, E., Scheidl, J., Schwarzingler, F., & Vetyukov, Y. (2023). An enhanced stress resultant plasticity model for shell structures with application in sheet metal roll forming. *The International Journal of Advanced Manufacturing Technology*. <https://doi.org/10.1007/s00170-023-12544-1>

[Link](#)

203 Maschinenbau

Surace, Y., Romio, M., Amores, M., Hamid, R., Cupid, D., Sauer, M., Foelske, A., & Jahn, M. (2023). Structural, Morphological and Interfacial Investigation of H₂V₃O₈ upon Mg²⁺ Intercalation. *Batteries & Supercaps*, 6(4), Article e202200555. <https://doi.org/10.1002/batt.202200555>

[Link](#)

103 Physik, Astronomie
104 Chemie

Seier, M., Roitner, J., Archodoulaki, V.-M., & Jones, M. P. (2023). Design from recycling: Overcoming barriers in regranulate use in a circular economy. *Resources, Conservation and Recycling*, 196, Article 107052. <https://doi.org/10.1016/j.resconrec.2023.107052>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Mereiter, K., & Walter, F. (2023). A crystal structure refinement of uralolite, $\text{Ca}_2\text{Be}_4(\text{PO}_4)_3(\text{OH})_3 \cdot 5\text{H}_2\text{O}$, from Weinebene, Austria. *Mineralogy and Petrology*, 117(2), 181–189. <https://doi.org/10.1007/s00710-022-00806-x>

[Link](#)

104 Chemie

Mereiter, K., Walter, F., & Bojar, H.-P. (2023). Mallestigite, $\text{Pb}_3\text{Sb}(\text{SO}_4)(\text{AsO}_4)(\text{OH})_6 \cdot 3\text{H}_2\text{O}$, from the type locality – new data, crystal structure, and structural relationships. *Mineralogy and Petrology*, 117(4), 761–774. <https://doi.org/10.1007/s00710-023-00837-y>

[Link](#)

104 Chemie

Izmestiev, I. (2023). Matching centroids by a projective transformation. *Geometriae Dedicata*, 217(3), Article 53. <https://doi.org/10.1007/s10711-023-00789-9>

[Link](#)

101 Mathematik

102 Informatik

Smith, J., Weinberger, P., & Werner, A. (2024). Dehydration performance of a novel solid solution library of mixed Tutton salts as thermochemical heat storage materials. *Journal of Energy Storage*, 78, 1–9. <https://doi.org/10.1016/j.est.2023.110003>

[Link](#)

104 Chemie

Hermann, D.-R., Ramer, G., Riedlsperger, L., & Lendl, B. (2023). Chiral Monitoring Across Both Enantiomeric Excess and Concentration Space: Leveraging Quantum Cascade Lasers for Sensitive Vibrational Circular Dichroism Spectroscopy. *Applied Spectroscopy*, 77(12), 1362–1370. <https://doi.org/10.1177/00037028231206186>

[Link](#)

103 Physik, Astronomie

104 Chemie

Berlakovich, N., Csencsics, E., Senoner, D., & Schitter, G. (2023). Fast modal reconstruction of large plane wavefronts from sparse measurements using Shack-Hartmann sensors. *Applied Optics*, 62(26), 6986–6992. <https://doi.org/10.1364/AO.493076>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Izmestiev, I. (2023). Deformation of quadrilaterals and addition on elliptic curves. *MOSCOW MATHEMATICAL JOURNAL*, 23(2), 205–242. <https://doi.org/10.17323/1609-4514-2023-23-2-205-242>

[Link](#)

101 Mathematik

102 Informatik

Berlakovich, N., Csencsics, E., Senoner, D., & Schitter, G. (2023). Reconstructing highly divergent wavefronts from sparse measurements. *Applied Optics*, 62(36), 9583–9590. <https://doi.org/10.1364/AO.502824>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Buchner, T., Königsberger, M., Gaggl, W., Früh, G., Kiefer, T., & Füssl, J. (2023). A continuum micromechanics model challenged to predict thermo-mechanical properties of 18 different clay bricks and sensitivity analysis revealing effects of compositional and microstructural features. *Construction and Building Materials*, 403, Article 132601. <https://doi.org/10.1016/j.conbuildmat.2023.132601>

[Link](#)

201 Bauwesen

Bartocci, E., Mateis, C., Nesterini, E., & Nickovic, D. (2023). Mining Hyperproperties using Temporal Logics. *ACM Transactions on Embedded Computing Systems*, 22(5s), 1–26. <https://doi.org/10.1145/3609394>

[Link](#)

102 Informatik

Shirvani, R., Bartik, A., Alves, G. A. S., Garcia de Otazo Hernandez, D., Müller, S., Föttinger, K., & Steiger, M. (2023). Nitrogen recovery from low-value biogenic feedstocks via steam gasification to methylotrophic yeast biomass. *Frontiers in Bioengineering and Biotechnology*, 11, Article 1179269. <https://doi.org/10.3389/fbioe.2023.1179269>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Giurgiu, V., Caridi, G. C. A., Alipour, M., De Paoli, M., & Soldati, A. (2023). The TU Wien Turbulent Water Channel: Flow control loop and three-dimensional reconstruction of anisotropic particle dynamics. *Review of Scientific Instruments*, 94(9), Article 095101. <https://doi.org/10.1063/5.0157490>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Geerits, N., Lemmel, H., Berger, A.-S., & Sponar, S. (2023). Phase vortex lattices in neutron interferometry. *Communications Physics*, 6(1), Article 209. <https://doi.org/10.1038/s42005-023-01318-6>

[Link](#)

103 Physik, Astronomie

Hauer, F., & Krammer, A. (2023). Tracing the informal fringe: A large-scale study of 20th century ‘wild’ settlements in Vienna, Austria. *Habitat International*, 141, Article 102925. <https://doi.org/10.1016/j.habitatint.2023.102925>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

601 Geschichte, Archäologie

Naumova, A., Oleinik, E., Khramtsova, A., Nikolaeva, S., Chernigovskaya, E., & Glazova, M. V. (2023). Short-term hindlimb unloading negatively affects dopaminergic transmission in the nigrostriatal system of mice. *Developmental Neurobiology*, 83(5–6), 205–218. <https://doi.org/10.1002/dneu.22924>

[Link](#)

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Naumova, A., Oleinik, E., Grigorieva, Y., Nikolaeva, S., Chernigovskaya, E., & Glazova, M. (2023). In search of stress: analysis of stress-related markers in mice after hindlimb unloading and social isolation. *Neurological Research*, 45(10), 957–968. <https://doi.org/10.1080/01616412.2023.2252280>

[Link](#)

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Salamakha, L., Sologub, O., Stöger, B., Giester, G., Rogl, P. F., Michor, H., & Bauer, E. (2023). Electronic and Structural Properties of MPt₂B₆-2? (M = Y, Yb): Structural Disorder in an Octahedral Boron Framework. *Inorganic Chemistry*, 62(47), 19164–19177. <https://doi.org/10.1021/acs.inorgchem.3c01526>

[Link](#)

103 Physik, Astronomie

- Rieder, A. (2023). Double exponential quadrature for fractional diffusion. *Numerische Mathematik*, 153, 359–410. <https://doi.org/10.1007/s00211-022-01342-8>
[Link](#)
101 Mathematik
- Valli, A., Fabian, T., Libisch, F., & Stadler, R. (2023). Stability of destructive quantum interference antiresonances in electron transport through graphene nanostructures. *Carbon*, 214, Article 118358. <https://doi.org/10.1016/j.carbon.2023.118358>
[Link](#)
103 Physik, Astronomie
- Giroto, N., Linhart, L., & Libisch, F. (2023). Coupled phonons in twisted bilayer graphene. *Physical Review B*, 108(15), Article 155415. <https://doi.org/10.1103/PhysRevB.108.155415>
[Link](#)
103 Physik, Astronomie
- Nia, A., Jeremic, N., Popp, D., Schmoelz, L., Patsch, J., Döring, K., Weber, M., Synek, A., Pahr, D. H., & Aldrian, S. (2023). Feasibility of aluminum phantom radiography for osteoporosis detection in postmenopausal women with a fragility fracture of the distal radius compared to DXA and HR-pQCT. *Journal of Orthopaedic Research*, 41(8), 1774–1780. <https://doi.org/10.1002/jor.25523>
[Link](#)
203 Maschinenbau
211 Andere Technische Wissenschaften
305 Andere Humanmedizin, Gesundheitswissenschaften
- Synek, A., Ortner, L., & Pahr, D. (2023). Accuracy of osseointegrated screw-bone construct stiffness and peri-implant loading predicted by homogenized FE models relative to micro-FE models. *Journal of the Mechanical Behavior of Biomedical Materials*, 140, Article 105740. <https://doi.org/10.1016/j.jmbbm.2023.105740>
[Link](#)
203 Maschinenbau
211 Andere Technische Wissenschaften
305 Andere Humanmedizin, Gesundheitswissenschaften
- Banabak, S. (2023). Closing the rent index gap – a quantitative approach to rental-sector gentrification. *Journal of Economic and Human Geography*. <https://doi.org/10.1111/tesg.12607>
[Link](#)
502 Wirtschaftswissenschaften
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung
- Shakibi Nia, N., Griesser, C., Mairegger, T., Wernig, E.-M., Bernardi, J., Portenkirchner, E., Penner, S., & Kunze-Liebhäuser, J. (2024). Titanium Oxycarbide as Platinum-Free Electrocatalyst for Ethanol Oxidation. *ACS Catalysis*, 14, 324–329. <https://doi.org/10.1021/acscatal.3c04097>
[Link](#)
103 Physik, Astronomie
104 Chemie
210 Nanotechnologie
- Salamakha, L., Solohub, O., Stöger, B., Michor, H., Bauer, E., & Rogl, P. F. (2024). Cage compound Sc₅Pt₂₄B₁₂: a Pt-stuffed variant of filled skutterudite structure. Electronic and structural properties. *Dalton Transactions*, 53(1), 233–244. <https://doi.org/10.1039/d3dt02825a>
[Link](#)
103 Physik, Astronomie

Franzl, G., Wanzenböck, C., & Berger, A. (2023). Interoperability as a key factor for digitalisation — a success story for cross-sector knowledge transfer. *Elektrotechnik Und Informationstechnik?: E & i*, 140(5), 471–477. <https://doi.org/10.1007/s00502-023-01143-3>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wolfsgruber, N., Tanda, A., Archodoulaki, V.-M., & Burgstaller, C. (2023). Influence of filler type and content on thermal conductivity and mechanical properties of thermoplastic compounds. *Polymer Engineering and Science*, 63(4), 1094–1105. <https://doi.org/10.1002/pen.26266>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Seier, M., Archodoulaki, V.-M., Koch, T., Duscher, B., & Gahleitner, M. (2023). Prospects for Recyclable Multilayer Packaging: A Case Study. *Polymers*, 15(13), Article 2966. <https://doi.org/10.3390/polym15132966>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Mihalyi, S., Tagliavento, M., Boschmeier, E., Archodoulaki, V.-M., Bartl, A., Quartinello, F., & Guebitz, G. M. (2023). Simultaneous saccharification and fermentation with *Weizmannia coagulans* for recovery of synthetic fibers and production of lactic acid from blended textile waste. *Resources, Conservation and Recycling*, 196, Article 107060. <https://doi.org/10.1016/j.resconrec.2023.107060>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Jauk, J., Gosch, L., Vašatko, H., Königsberger, M., Schlusche, J., & Stavric, M. (2023). Filament-reinforced 3D printing of clay. *Materials*, 16(18), Article 6253. <https://doi.org/10.3390/ma16186253>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Krammer, A., & Hauer, F. (2023). Taming ‘wild’ Vienna? The handling of informal settlements by the planning authorities – perspectives, discourse, (counter)actions in the interwar and post-war periods. *Planning Perspectives*. <https://doi.org/10.1080/02665433.2023.2272144>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

601 Geschichte, Archäologie

Jaksa, L., Aryeetey, O. J., Hatamikia, S., Nägl, K., Buschmann, M., Pahr, D., Kronreif, G., & Lorenz, A. (2023). 3D-Printed multi-material liver model with simultaneous mechanical and radiological tissue-mimicking features for improved realism. *International Journal of Bioprinting*, 9(4). <https://doi.org/10.18063/ijb.721>

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

305 Andere Humanmedizin, Gesundheitswissenschaften

Reisinger, A., Bittner-Frank, M., Thurner, P. J., & Pahr, D. H. (2024). The 2-layer elasto-visco-plastic rheological model for the material parameter identification of bone tissue extended by a damage law. *Journal of the Mechanical Behavior of Biomedical Materials*, 150, Article 106259. <https://doi.org/10.1016/>

j.jmbbm.2023.106259

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

305 Andere Humanmedizin, Gesundheitswissenschaften

Warnung, L., Sattler, S., Haiden, E., Schober, S., Pahr, D., & Reisinger, A. (2023). A mechanically validated open-source silicone model for the training of gastric perforation sewing. *BMC Medical Education*, 23, Article 261. <https://doi.org/10.1186/s12909-023-04174-8>

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

305 Andere Humanmedizin, Gesundheitswissenschaften

Shubin, A. (2023). Möbius orthogonality of the Thue–Morse sequence along Piatetski-Shapiro numbers. *Studia Mathematica*, 273(3), 201–238. <https://doi.org/10.4064/sm220818-3-8>

[Link](#)

101 Mathematik

102 Informatik

Riedlsperger, F., Wojcik, T., Buzolin, R., Witzmann, L., Zuderstorfer, G., Krenmayr, B., Sommitsch, C., & Sonderegger, B. (2023). Recent progress in the microstructurally based creep modelling of Ni-based alloy 617. *Materials at High Temperatures*. <https://doi.org/10.1080/09603409.2023.2281123>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Gerhold, S. (2023). Small ball probabilities and large deviations for grey Brownian motion. *Electronic Communications in Probability*, 28, 1–8. <https://doi.org/10.1214/23-ECP555>

[Link](#)

101 Mathematik

Gerhold, S., & Thomas, S. (2023). A converse to the neo-classical inequality with an application to the Mittag-Leffler function. *Monatshefte Für Mathematik*, 200(3), 627–645. <https://doi.org/10.1007/s00605-022-01817-8>

[Link](#)

101 Mathematik

Draskovits, M., Biedermann, N., Mihovilovic, M. D., Schnürch, M., & Stanetty, C. (2023). The synthesis of higher-carbon sugar alcohols via indium-mediated acyloxyallylation as potential phase change materials. *Monatshefte Für Chemie - Chemical Monthly*. <https://doi.org/10.1007/s00706-023-03136-6>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Kopinski-Grünwald, O., Guillaume, O., Ferner, T., Schädler, B., & Ovsianikov, A. (2024). Scaffolded spheroids as building blocks for bottom-up cartilage tissue engineering show enhanced bioassembly dynamics. *Acta Biomaterialia*, 174, 163–176. <https://doi.org/10.1016/j.actbio.2023.12.001>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Hörner, H., Rachbauer, L. M., Rotter, S., & Leonhardt, U. (2023). Van der Waals chain: A simple model for Casimir forces in dielectrics. *Physical Review B*, 108(23), 235430-1-235430–16. <https://doi.org/10.1103/PhysRevB.108.235430>

[Link](#)

103 Physik, Astronomie

Böhm, D., Kusztrich, M., Kurinjimala, R., Eder, A., & Eisenmenger-Sittner, C. (2023). Analysis of electrical resistance measurements as a potential determination method for coating thickness on powders. *Surface and Coatings Technology*, 473, Article 129931. <https://doi.org/10.1016/j.surfcoat.2023.129931>

[Link](#)

103 Physik, Astronomie

Ortega Moreno, O. A. (2023). Iterations of Minkowski valuations. *Journal of Functional Analysis*, 284(10), Article 109887. <https://doi.org/10.1016/j.jfa.2023.109887>

[Link](#)

101 Mathematik

Freisinger, M., Rodríguez Ripoll, M., & Hahn, R. (2024). Unveiling the mechanical properties of near-surface microstructures in tribological contacts via in-situ micro-bending tests. *Tribology International*, 191, Article 109190. <https://doi.org/10.1016/j.triboint.2023.109190>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Jung, R. O., Bleicher, F., Krall, S., Juricek, C., Lottes, R., Steinschütz, K., & Reininger, T. (2023). Cyber Physical Production Systems for Deep Drawing. *Journal of Manufacturing Science and Engineering*, 145(10), Article 101006. <https://doi.org/10.1115/1.4062903>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Hollaus, K., & Schöbinger, M. (2023). Multiscale finite element formulations for 2D/1D problems. *IEEE Transactions on Energy Conversion*. <https://doi.org/10.34726/5425>

[Link](#)

101 Mathematik

202 Elektrotechnik, Elektronik, Informationstechnik

Kappl, P., Krien, F., Watzenböck, C., & Held, K. (2023). Nonlinear responses and three-particle correlators in correlated electron systems exemplified by the Anderson impurity model. *Physical Review B*, 107(20), Article 205108. <https://doi.org/10.1103/PhysRevB.107.205108>

[Link](#)

103 Physik, Astronomie

Langer, M., Pruckner, R., & Woracek, H. (2023). Canonical systems whose Weyl coefficients have dominating real part. *Journal d'Analyse Mathématique*, 1–40. <https://doi.org/10.1007/s11854-023-0297-9>

[Link](#)

101 Mathematik

Masios, N., Irmiler, A., Schäfer, T., & Grüneis, A. (2023). Averting the Infrared Catastrophe in the Gold Standard of Quantum Chemistry. *Physical Review Letters*, 131(18), 186401. <https://doi.org/10.1103/PhysRevLett.131.186401>

[Link](#)

103 Physik, Astronomie

Tuan Nguyen, D., Ourednik, P., & Feiginov, M. (2023). Island THz on-chip slot-antenna resonant-tunneling-diode oscillators. *Applied Physics Letters*, 123(4), Article 043508. <https://doi.org/10.1063/5.0159147>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Nguyen, D. T., Picco, G., Ourednik, P., Spudat, C., & Feiginov, M. (2024). Impact of Slot Width on Performance of Symmetrical-Slot-Antenna Resonant-Tunneling-Diode Oscillators. *IEEE Transactions on Terahertz Science & Technology*, 14(1), 29–38. <https://doi.org/10.1109/TTHZ.2023.3329460>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Treiber, M. C., Grünberger, J., Vyssoki, B., Szeles, J. C., Kaniusas, E., Kampusch, S., Stöhr, H. G., Walter, H., Lesch, O. M., König, D., & Kraus, C. (2024). Pupillary response to percutaneous auricular vagus nerve stimulation in alcohol withdrawal syndrome: A pilot trial. *Alcohol*, 114, 61–68. <https://doi.org/10.1016/j.alcohol.2023.08.009>

[Link](#)

206 Medizintechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

302 Klinische Medizin

Léonard, J., Kim, S., Kwan, J., Segura, P., Grusdt, F., Repellin, C., Goldman, N., & Greiner, M. (2023). Realization of a fractional quantum Hall state with ultracold atoms. *Nature*, 619(7970), 495–499. <https://doi.org/10.1038/s41586-023-06122-4>

[Link](#)

103 Physik, Astronomie

Léonard, J., Kim, S., Rispoli, M., Lukin, A., Schittko, R., Kwan, J., Demler, E., Sels, D., & Greiner, M. (2023). Probing the onset of quantum avalanches in a many-body localized system. *Nature Physics*, 19(4), 481–485. <https://doi.org/10.1038/s41567-022-01887-3>

[Link](#)

103 Physik, Astronomie

Kohne Poushi, S. S., Goll, B., Schneider-Hornstein, K., & Zimmermann, H. (2024). Large Active Area, Low Capacitance Multi-Dot PIN Photodiode in 0.35 μm CMOS Technology. *IEEE Photonics Journal*, 16(1). <https://doi.org/10.1109/JPHOT.2023.3338510>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hechenberger, F., Leutgeb, J., & Rebhan, A. (2023). Radiative meson and glueball decays in the Witten-Sakai-Sugimoto model. *Physical Review D*, 107(11), Article 114020. <https://doi.org/10.1103/PhysRevD.107.114020>

[Link](#)

103 Physik, Astronomie

Pandit, S., Schneider, M., Schwarz, S., & Schmid, U. (2023). Enhancement of Piezoelectric Response in Yttrium Aluminum Nitride (Y₂Al₂N) Thin Films. *Advanced Engineering Materials*, 25(22), 1–8. <https://doi.org/10.1002/adem.202300940>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kwon, M., Ignat, I., Platz, D., Arthaber, H., & Schmid, U. (2023). Aluminum nitride surface acoustic wave resonators with high Q_f product by optical lithography. *SENSORS AND ACTUATORS A-PHYSICAL*, 362, Article 114637. <https://doi.org/10.1016/j.sna.2023.114637>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Baumann, A., Hofmann, K., Marakasova, A., Neidhardt, J., & Wissik, T. (2023). Semantic micro-

dynamics as a reflex of occurrence frequency: a semantic networks approach. *Cognitive Linguistics*, 34(3–4), 533–568. <https://doi.org/10.1515/cog-2022-0008>

[Link](#)

102 Informatik

Kuba, M., & Panholzer, A. (2023). Tree evolution processes for bucket increasing trees. *Discrete Mathematics*, 346(7), Article 113443. <https://doi.org/10.1016/j.disc.2023.113443>

[Link](#)

101 Mathematik

102 Informatik

David, M., Disnan, D., Arigliani, E., Lardschneider, A., Marschick, G., Hoang, H. T., Detz, H., Lendl, B., Schmid, U., Strasser, G., & Hinkov, B. (2023). Advanced mid-infrared plasmonic waveguides for on-chip integrated photonics. *Photonics Research*, 11(10), 1694–1702. <https://doi.org/10.1364/PRJ.495729>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Vega Alanis, B. A., Wimmer, L., Ernst, M., Schnürch, M., & Mihovilovic, M. (2023). Novel pyrazolothienopyridinones as potential GABAA receptor modulators. *Monatshefte Für Chemie - Chemical Monthly*, 154(12), 1427–1439. <https://doi.org/10.1007/s00706-023-03063-6>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Gesing, A., Tran, T., Huber, D., Steinmüller-Nethl, D., Pfusterschmied, G., Schneider, M., Platz, D., & Schmid, U. (2023). The gas-liquid-Q-factor-inversion in MEMS plate resonators. *Journal of Sound and Vibration*, 559, Article 117777. <https://doi.org/10.1016/j.jsv.2023.117777>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Xiang, Y., Dejkoski, B., Fulmek, P., & Schmid, U. (2023). Surface properties of μm and sub- μm polydimethylsiloxane thin films after oxygen plasma treatment. *Polymer*, 275, Article 125915. <https://doi.org/10.1016/j.polymer.2023.125915>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hadamek, T., Jorstad, N. P., Lacerda de Orio, R., Goes, W., Selberherr, S., & Sverdllov, V. (2023). A Comprehensive Study of Temperature and Its Effects in SOT-MRAM Devices. *Micromachines*, 14(8), 1–14. <https://doi.org/10.3390/mi14081581>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Disnan, D., Hafner, J., Schneider, M., & Schmid, U. (2023). Spherulite-like microstructure observed for spin-cast P(VDF-TrFE) thin films and their ferroelectric characteristics. *Polymer*, 272, Article 125840. <https://doi.org/10.1016/j.polymer.2023.125840>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ignat, I., Schuster, B., Hafner, J. A., Kwon, M., Platz, D., & Schmid, U. (2023). Intermodal coupling spectroscopy of mechanical modes in microcantilevers. *Beilstein Journal of Nanotechnology*, 14, 123–132. <https://doi.org/10.3762/bjnano.14.13>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Davoli, E., Mazari, I., & Stefanelli, U. (2023). Spectral Optimization of Inhomogeneous Plates. *SIAM*

Journal on Control and Optimization, 61(2), 852–871. <https://doi.org/10.1137/21M1435203>

[Link](#)

101 Mathematik

Bender, M., Escher, J., Messner, B., Röhrich, M., Fischer, M. B., Hametner, C., Laufer, G., Kertzsch, U., Zimpfer, D., Jakubek, S., & Granegger, M. (2023). An Atraumatic Mock Loop for Realistic Hemocompatibility Assessment of Blood Pumps. *IEEE Transactions on Biomedical Engineering*, 70. <https://doi.org/10.1109/TBME.2023.3346206>

[Link](#)

203 Maschinenbau

206 Medizintechnik

de Oro Calderon, R., Gierl-Mayer, C., & Danninger, H. (2023). Microstructural evolution during sintering of Fe-Cr-C steels prepared from admixed elemental powders. *Powder Metallurgy*, 66(5), 450–460. <https://doi.org/10.1080/00325899.2023.2201487>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Nguyen, H. D., & Han, K. (2023). Safe Reinforcement Learning-based Driving Policy Design for Autonomous Vehicles on Highways. *INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS*, 21(12), 4098–4110. <https://doi.org/10.1007/s12555-023-0255-4>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Nguyen, H. D., Choi, M., & Han, K. (2023). Risk-informed decision-making and control strategies for autonomous vehicles in emergency situations. *ACCIDENT ANALYSIS AND PREVENTION*, 193, Article 107305. <https://doi.org/10.1016/j.aap.2023.107305>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ulrich-Pur, F., Bergauer, T., Hirtl, A., Irmler, C., Kaser, S., Pitters, F. M., & Rit, S. (2023). Novel ion imaging concept based on time-of-flight measurements with low gain avalanche detectors. *Journal of Instrumentation*, 18(2), Article C02062. <https://doi.org/10.1088/1748-0221/18/02/C02062>

[Link](#)

103 Physik, Astronomie

Höflinger, J., Konrad, J., Steindl, C., Bernt, A.-O., Schaerfl, A., & Hofmann, P. (2024). Thermal design of a system for mobile hydrogen powersupply. *Applied Thermal Engineering*, 237, Article 121718. <https://doi.org/10.1016/j.applthermaleng.2023.121718>

[Link](#)

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Houszka, N., Mikula, H., & Svatunek, D. (2023). Substituent Effects in Bioorthogonal Diels-Alder Reactions of 1,2,4,5-Tetrazines. *CHEMISTRY-A EUROPEAN JOURNAL*, 29(29), Article e202300345. <https://doi.org/10.1002/chem.202300345>

[Link](#)

104 Chemie

Haidinger, A., Dilly, C. I., Fischer, R. C., Svatunek, D., Uher, J. M., & Hlina, J. A. (2023). To Bond or Not to Bond: Metal-Metal Interaction in Heterobimetallic Rare-Earth Metal-Silver Complexes. *Inorganic Chemistry*, 62(43), 17713–17720. <https://doi.org/10.1021/acs.inorgchem.3c02377>

[Link](#)

104 Chemie

Dvorák, W., Greßler, A., Rapberger, A., & Woltran, S. (2023). The complexity landscape of claim-augmented argumentation frameworks. *Artificial Intelligence*, 317, Article 103873. <https://doi.org/10.1016/j.artint.2023.103873>

[Link](#)

101 Mathematik

102 Informatik

Dvorák, W., Rapberger, A., & Woltran, S. (2023). A claim-centric perspective on abstract argumentation semantics: Claim-defeat, principles, and expressiveness. *Artificial Intelligence*, 324, Article 104011. <https://doi.org/10.1016/j.artint.2023.104011>

[Link](#)

101 Mathematik

102 Informatik

Frank, F., Baumgartner, B., & Lendl, B. (2024). Metal-organic frameworks combined with mid-infrared spectroscopy for the trace analysis of phosphates in water. *SENSORS AND ACTUATORS B-CHEMICAL*, 399, Article 134778. <https://doi.org/10.1016/j.snb.2023.134778>

[Link](#)

104 Chemie

Rabbani, K., Lissandrini, M., & Hose, K. (2023). Extraction of validating shapes from very large knowledge graphs. *Proceedings of the VLDB Endowment*, 16(5), 1023–1032. <https://doi.org/10.14778/3579075.3579078>

[Link](#)

101 Mathematik

102 Informatik

Ecker, F., Grumiller, D., Valcárcel, C., & Vassilevich, D. (2023). Equivalences between 2D dilaton gravities, their asymptotic symmetries, and their holographic duals. *Journal of High Energy Physics*, 2023(6), Article 151. [https://doi.org/10.1007/JHEP06\(2023\)151](https://doi.org/10.1007/JHEP06(2023)151)

[Link](#)

103 Physik, Astronomie

Ecker, F., Grumiller, D., Hartong, J., Pérez, A., Prohazka, S., & Troncoso, R. (2023). Carroll black holes. *SciPost Physics*, 15(5), Article 245. <https://doi.org/10.21468/SciPostPhys.15.6.245>

[Link](#)

103 Physik, Astronomie

He, X., Bender, M., Gross, C., Narayanaswamy, K., Laufer, G., Jakubek, S., Bonderman, D., Roehrich, M., Karner, B., Zimpfer, D., & Granegger, M. (2023). Left Atrial Decompression With the HeartMate3 in Heart Failure With Preserved Ejection Fraction: Virtual Fitting and Hemodynamic Analysis. *ASAIO Journal*. <https://doi.org/10.1097/MAT.0000000000002074>

[Link](#)

203 Maschinenbau

304 Medizinische Biotechnologie

Blasenbauer, D., Huber, F., Mühl, J., Fellner, J., & Lederer, J. (2023). Comparing the quantity and quality of glass, metals, and minerals present in waste incineration bottom ashes from a fluidized bed and a grate incinerator. *Waste Management*, 161, 142–155. <https://doi.org/10.1016/j.wasman.2023.02.021>

[Link](#)

104 Chemie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Donnay, L., Fiorucci, A., Herfray, Y., & Ruzziconi, R. (2023). Bridging Carrollian and celestial holography. *Physical Review D*, 107(12), Article 126027. <https://doi.org/10.1103/PhysRevD.107.126027>

[Link](#)

103 Physik, Astronomie

Gstöttenmayer, F., Moyaba, P., Rodriguez, M., Mulandane, F. C., Mucache, H. N., Neves, L., de Beer, C. J., Ravel, S., De Meeûs, T., Mach, R., Vreysen, M. J. B., & Abd-Alla, A. M. M. (2023). Development and characterization of microsatellite markers for the tsetse species *Glossina brevipalpis* and preliminary population genetics analyses. *Parasite*, 30, Article 34. <https://doi.org/10.1051/parasite/2023038>

[Link](#)

106 Biologie

208 Umweltbiotechnologie

Grumiller, D., & Riegler, M. (2023). Carrollian c functions and flat space holographic RG flows in BMS3/CCFT2. *Physical Review D*, 108(12), Article 126008. <https://doi.org/10.1103/PhysRevD.108.126008>

[Link](#)

103 Physik, Astronomie

Bagchi, A., Grumiller, D., & Sheikh-Jabbari, M. M. (2023). Horizon strings as 3D black hole microstates. *SciPost Physics*, 15(5), Article 210. <https://doi.org/10.21468/SciPostPhys.15.5.210>

[Link](#)

103 Physik, Astronomie

Angles, R., Gottlob, G., Pavlovic, A., Pichler, R., & Sallinger, E. (2023). SparqLog: A System for Efficient Evaluation of SPARQL 1.1 Queries via Datalog. *Proceedings of the VLDB Endowment*, 16(13), 4240–4253. <https://doi.org/10.14778/3625054.3625061>

[Link](#)

101 Mathematik

102 Informatik

Gottlob, G., Lanzinger, M., Pichler, R., & Razgon, I. (2023). Fractional covers of hypergraphs with bounded multi-intersection. *Theoretical Computer Science*, 979, Article 114204. <https://doi.org/10.1016/j.tcs.2023.114204>

[Link](#)

101 Mathematik

102 Informatik

Boguslavski, K., Hotzy, P., & Müller, D. (2023). Stabilizing complex Langevin for real-time gauge theories with an anisotropic kernel. *Journal of High Energy Physics*, 6, Article 11. [https://doi.org/10.1007/JHEP06\(2023\)011](https://doi.org/10.1007/JHEP06(2023)011)

[Link](#)

103 Physik, Astronomie

Fantoni, A., Ecker, J., Ahmadi, M., Koch, T., Stampfl, J., Liska, R., & Baudis, S. (2023). Green monomers for 3D printing: epoxy-methacrylate interpenetrating polymer networks as a versatile alternative for toughness enhancement in additive manufacturing. *ACS SUSTAINABLE CHEMISTRY & ENGINEERING*, 11(32), 12004–12013. <https://doi.org/10.1021/acssuschemeng.3c02194>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Boschmeier, E., Ipsmiller, W., & Bartl, A. (2023). Market assessment to improve fibre recycling within the EU textile sector. *Waste Management & Research*. <https://doi.org/10.1177/0734242X231178222>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kim, B., Khmelevskiy, S., Franchini, C., & Mazin, I. I. (2023). Suppressed Fluctuations as the Origin of the Static Magnetic Order in Strained Sr₂RuO₄. *Physical Review Letters*, 130(2), Article 026702. <https://doi.org/10.1103/PhysRevLett.130.026702>

[Link](#)

103 Physik, Astronomie

104 Chemie

Steiner, K., Leitner, V., Zeppetbauer, F., Ostner, D., Burgstaller, C., Rennhofer, H., Bartl, A., Ribitsch, D., & Guebitz, G. M. (2024). Optimising chemo-enzymatic separation of polyester cellulose blends. *RESOURCES CONSERVATION AND RECYCLING*, 202, Article 107369. <https://doi.org/10.1016/j.resconrec.2023.107369>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Weingartshofer, T., Hartl-Nesic, C., & Kugi, A. (2023). Automatic and Flexible Robotic Drawing on Complex Surfaces With an Industrial Robot. *IEEE Transactions on Control Systems Technology*. <https://doi.org/10.1109/TCST.2023.3345209>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Jacob, A., Schuster, R., Solyom, L., Keplinger, A., & Povoden-Karadeniz, E. (2023). Study of Interface-Related Mechanisms in the Early Stage Precipitation of σ Phase in Hyper Duplex Stainless Steels. *Journal of Phase Equilibria and Diffusion*. <https://doi.org/10.1007/s11669-023-01080-w>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Junghans, D. (2023). de Sitter-eating O-planes in supercritical string theory. *Journal of High Energy Physics*, 2023, Article 196. [https://doi.org/10.1007/JHEP12\(2023\)196](https://doi.org/10.1007/JHEP12(2023)196)

[Link](#)

103 Physik, Astronomie

Nayak, G. K., Kretschmer, A., Mayrhofer, P. H., & Holec, D. (2023). On correlations between local chemistry, distortions and kinetics in high entropy nitrides: An ab initio study. *Acta Materialia*, 255, Article 118951. <https://doi.org/10.1016/j.actamat.2023.118951>

[Link](#)

205 Werkstofftechnik

Khmelevskiy, S., & Steiner, S. (2023). Predictive Theory of Anomalous Volume Magnetostriction in Fe–Ni Alloys: Bond Repopulation Mechanism of the Invar Effect. *JOURNAL OF PHYSICAL CHEMISTRY C*, 128(1), 605–612. <https://doi.org/10.1021/acs.jpcc.3c07037>

[Link](#)

103 Physik, Astronomie

104 Chemie

107 Andere Naturwissenschaften

Koch, B., Käding, C., Pitschmann, M., & Sedmik, R. I. P. (2023). Vacuum Energy, the Casimir Effect, and Newton's Non-Constant. *Universe*, 9(11), Article 476. <https://doi.org/10.3390/universe9110476>

[Link](#)

103 Physik, Astronomie

Stuetz, H., Reihs, E. I., Neuhaus, W., Pflüger, M., Hundsberger, H., Ertl, P., Resch, C., Bauer, G., Povoden, G., & Rothbauer, M. (2023). The Cultivation Modality and Barrier Maturity Modulate the

Toxicity of Industrial Zinc Oxide and Titanium Dioxide Nanoparticles on Nasal, Buccal, Bronchial, and Alveolar Mucosa Cell-Derived Barrier Models. *International Journal of Molecular Sciences*, 24(6), Article 5634. <https://doi.org/10.3390/ijms24065634>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Wobrauschek, P., Ingerle, D., Probst, J., Dhara, S., Mishra, N. L., Iro, M., & Strelci, C. (2023). A new compact micro-XRF spectrometer with polychromatic x-ray sample excitation. *X-Ray Spectrometry*. <https://doi.org/10.1002/xrs.3412>

[Link](#)

103 Physik, Astronomie

Bammer, F., & Huemer, F. (2024). Real-time imaging-ellipsometry on cylindrical substrates with a polarization camera. *TM-TECHNISCHE MESSSEN*, 91(2). <https://doi.org/10.1515/teme-2023-0119>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

211 Andere Technische Wissenschaften

Fuchs, S., Rieger, V., Tjell, A. Ø., Spitz, S., Brandauer, K., Schaller-Amman, R., Feiel, J., Ertl, P., Klimant, I., & Mayr, T. (2023). Optical glucose sensor for microfluidic cell culture systems. *BIOSENSORS & BIOELECTRONICS*, 237, Article 115491. <https://doi.org/10.1016/j.bios.2023.115491>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Himmelbauer, D., Talmazan, R., Weber, S., Pecak, J., Thun-Hohenstein, A., Geissler, M.-S., Pachmann, L., Pignitter, M., Podewitz, M., & Kirchner, K. (2023). No Transition Metals Required - Oxygen Promoted Synthesis of Imines from Primary Alcohols and Amines under Ambient Conditions. *CHEMISTRY-A EUROPEAN JOURNAL*, 29(29), e202300094. <https://doi.org/10.1002/chem.202300094>

[Link](#)

104 Chemie

Taheridehkordi, A., Schlipf, M., Sukurma, Z., Humer, M., Grüneis, A., & Kresse, G. (2023). Phaseless auxiliary field quantum Monte Carlo with projector-augmented wave method for solids. *Journal of Chemical Physics*, 159(4), Article 044109. <https://doi.org/10.1063/5.0156657>

[Link](#)

103 Physik, Astronomie

Salihbegovic, F., Gallo, A., & Grüneis, A. (2023). Formation energies of silicon self-interstitials using periodic coupled cluster theory. *Physical Review B*, 108(11), Article 115125. <https://doi.org/10.1103/PhysRevB.108.115125>

[Link](#)

103 Physik, Astronomie

Schuster, R., Tiede, L., Ageeva, O., Griffiths, T., Abart, R., & Habler, G. (2023). Microstructure and Texture of a Spinel Corona Around a Basalt Hosted Corundum Xenocrystal. *Journal of Petrology*, 64(2), Article egac130. <https://doi.org/10.1093/petrology/egac130>

[Link](#)

105 Geowissenschaften

Fitzky, A. C., Kaser, L., Peron, A., Karl, T., Graus, M., Tholen, D., Halbwirth, H., Trimmel, H.,

Pesendorfer, M., Rewald, B., & Sandén, H. (2023). Same, same, but different: Drought and salinity affect BVOC emission rate and alter blend composition of urban trees. *URBAN FORESTRY & URBAN GREENING*, 80, 127842. <https://doi.org/10.1016/j.ufug.2023.127842>

[Link](#)

104 Chemie

106 Biologie

204 Chemische Verfahrenstechnik

Sochor, H., Ferrarotti, F., & Kaufmann, D. (2024). Fuzzing-based grammar learning from a minimal set of seed inputs. *JOURNAL OF COMPUTER LANGUAGES*, 78, Article 101252. <https://doi.org/10.1016/j.cola.2023.101252>

[Link](#)

101 Mathematik

102 Informatik

Mikšovsky, P., Kornpointner, C., Parandeh, Z., Goessinger, M., Schröder, K., & Halbwirth, H. (2023). Enzyme-Assisted Supercritical Fluid Extraction of Flavonoids from Apple Pomace (*Malus × domestica*). *ChemSusChem*, Article e202301094. <https://doi.org/10.1002/cssc.202301094>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Freisinger, M., Zauner, L., Hahn, R., Riedl, H., & Mayrhofer, P. H. (2023). In-situ micro-cantilever bending studies of a white etching layer thermally induced on rail wheels. *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*, 869, Article 144805. <https://doi.org/10.1016/j.msea.2023.144805>

[Link](#)

205 Werkstofftechnik

210 Nanotechnologie

Suchy, L., & Rudroff, F. (2024). In situ Generation of Aldehydes for Subsequent Biocatalytic Cascade Reactions in Whole Cells. *ChemCatChem*, 16(2), Article e202301138. <https://doi.org/10.1002/cctc.202301138>

[Link](#)

104 Chemie

106 Biologie

209 Industrielle Biotechnologie

Kovács, P., Blaha, P., & Madsen, G. K. H. (2023). Origin of the success of mGGAs for bandgaps. *Journal of Chemical Physics*, 159(24), Article 244118. <https://doi.org/10.1063/5.0179260>

[Link](#)

104 Chemie

Wanzenböck, R., Buchner, F., Kovács, P., Madsen, G. K. H., & Carrete, J. (2024). Clinamen2: Functional-style evolutionary optimization in Python for atomistic structure searches. *Computer Physics Communications*, 297, Article 109065. <https://doi.org/10.1016/j.cpc.2023.109065>

[Link](#)

104 Chemie

Schauer, H., Schlaffer, S., Büechi, P. E., & Dorigo, W. (2023). Inundation–desiccation state prediction for salt pans in the Western Pannonian basin using remote sensing, groundwater, and meteorological data. *Remote Sensing*, 15(19), Article 4659. <https://doi.org/10.3390/rs15194659>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Bichelmaier, S., Carrete, J., Wanzenböck, R., Buchner, F., & Madsen, G. K. H. (2023). Neural-network-backed effective harmonic potential study of the ambient pressure phases of hafnia. *Physical Review B*, 107(18), Article 184111. <https://doi.org/10.1103/PhysRevB.107.184111>

[Link](#)

104 Chemie

Rousseau, G., Métivet, T., Rousseau, H., Daviet, G., & Bertails-Descoubes, F. (2023). Revisiting the role of friction coefficients in granular collapses: confrontation of 3-D non-smooth simulations with experiments. *Journal of Fluid Mechanics*, 975, A14-1-A14-39. <https://doi.org/10.1017/jfm.2023.835>

[Link](#)

102 Informatik

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Essmeister, J., Fuchsberger, A., Steiner, D., Schwarz, S., Schachinger, T., Lale, A., Schwentenwein, M., Föttinger, K., & Konegger, T. (2023). Hierarchically Porous Ceramic and Metal-Ceramic Hybrid Materials Structured by Vat Photopolymerization-Induced Phase Separation. *Advanced Materials Technologies*, 9(1), Article 2301400. <https://doi.org/10.1002/admt.202301400>

[Link](#)

104 Chemie

Latschka, M., Wellscheid, B. J., Rameshan, R., Schöberl, T., Essmeister, J., Pacholik, G., Valentini, F., Balta, L., Limbeck, A., Rameshan, C., Kählig, H., & Föttinger, K. (2023). Influence of hot liquid flowing water on Zeolite Y stability. *Microporous and Mesoporous Materials*, 354, 112557. <https://doi.org/10.1016/j.micromeso.2023.112557>

[Link](#)

104 Chemie

Szoldatits, E. M., Eßmeister, J. G., Schachtner, L., Konegger, T., & Föttinger, K. (2023). Polymer-derived SiOC as support material for Ni-based catalysts: CO₂ methanation performance and effect of support modification with La₂O₃. *Frontiers in Chemistry*, 11, Article 1163503. <https://doi.org/10.3389/fchem.2023.1163503>

[Link](#)

104 Chemie

Frohner, N., Neumann, B., Pace, G., & Raidl, G. R. (2023). Approaching the Traveling Tournament Problem with Randomized Beam Search. *Evolutionary Computation*, 31(3), 233–257. https://doi.org/10.1162/evco_a_00319

[Link](#)

102 Informatik

Freisinger, M., Trausmuth, A., Hahn, R., & Badisch, E. (2023). Influence of the evolution of near-surface rail wheel microstructure on crack initiation by micro-bending investigations. *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART F-JOURNAL OF RAIL AND RAPID TRANSIT*. <https://doi.org/10.1177/095444097231191550>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Shilyashki, G., Pfützner, H., Bengtsson, C., & Okubo, T. (2023). Physically consistent testing of large-frequency-band magnetic losses of non-oriented electric steel considering dynamic anisotropy. *AIP Advances*, 13(5), Article 055007. <https://doi.org/10.1063/5.0141673>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Akhmetshina, A., Bianco, V., Bradic, I., Korbelius, M., Pirchheim, A., Kuentzel, K. B., Eichmann, T. O., Hinteregger, H., Kolb, D., Habisch, H., Liesinger, L., Madl, T., Sattler, W., Radovic, B., Sedej, S., Birner-Gruenberger, R., Vujic, N., & Kratky, D. (2024). Loss of lysosomal acid lipase results in mitochondrial dysfunction and fiber switch in skeletal muscles of mice. *Molecular Metabolism*, 79, Article 101869. <https://doi.org/10.1016/j.molmet.2023.101869>

[Link](#)

104 Chemie

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Fleissner, S., Pittenauer, E., & Kirchner, K. (2023). Electrospray Ionization Tandem Mass Spectrometric Study of Selected Phosphine-Based Ligands for Catalytically Active Organometallics. *Journal of The American Society for Mass Spectrometry*, 34(8), 1647–1652. <https://doi.org/10.1021/jasms.3c00104>

[Link](#)

104 Chemie

Smajevic, M., Ali, S. J., & Bork, D. (2024). CM2KGcloud – An open web-based platform to transform conceptual models into knowledge graphs. *Science of Computer Programming*, 231, Article 103007. <https://doi.org/10.1016/j.scico.2023.103007>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Schratzberger, H., Himmelbauer, D., Eder, W., Weiser, M., Stöger, B., & Kirchner, K. (2023). Solvothermal synthesis of cobalt PCP pincer complexes from [Co₂(CO)₈]. *MONATSHEFTE FÜR CHEMIE*, 154(11), 1253–1262. <https://doi.org/10.1007/s00706-023-03123-x>

[Link](#)

104 Chemie

Tomsu, G., Stöger, B., & Kirchner, K. (2023). Pyrrole-Based Ti(III) and Ti(IV) PNP Pincer Complexes: Insertion of Ketones into the Ti(IV)-Phosphorus Bond. *Organometallics*, 42(20), 2999–3004. <https://doi.org/10.1021/acs.organomet.3c00327>

[Link](#)

104 Chemie

Bork, D., & De Carlo, G. (2023). An extended taxonomy of advanced information visualization and interaction in conceptual modeling. *DATA & KNOWLEDGE ENGINEERING*, 147, Article 102209. <https://doi.org/10.1016/j.datak.2023.102209>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Menia, D., Pittracher, M., Kopacka, H., Wurst, K., Neururer, F. R., Leitner, D., Hohloch, S., Podewitz, M., & Bildstein, B. (2023). Curious case of cobaltocenium carbaldehyde. *Organometallics*, 42(5), 377–383. <https://doi.org/10.1021/acs.organomet.2c00613>

[Link](#)

104 Chemie

Freisinger, M., Jakab, B., Pichelbauer, K., Trummer, G., Six, K., & Mayrhofer, P. H. (2023). Fatigue crack initiation in the presence of stratified surface layers on rail wheels. *International Journal of Fatigue*, 177, Article 107958. <https://doi.org/10.1016/j.ijfatigue.2023.107958>

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Pilat, F., Schwarz, B., Baumgartner, B., Ristanic, D., Detz, H., Andrews, A. M., Lendl, B., Strasser, G., & Hinkov, B. (2023). Beyond Karl Fischer titration: a monolithic quantum cascade sensor for monitoring residual water concentration in solvents. *Lab on a Chip*, 23(7), 1816–1824. <https://doi.org/10.1039/d2lc00724j>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Nauschütz, J., Scheuermann Julian, Weih, R., Koeth, J., Schwarz, B., & Höfling, S. (2023). Room temperature operation of single mode GaSb-based DFB interband cascade lasers beyond 6.1 μm . *Electronics Letters*, 59(19), Article e12968. <https://doi.org/10.1049/el12.12968>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Franceschi, G., Conti, A., Lezuo, L., Abart, R., Mittendorfer, F., Schmid, M., & Diebold, U. (2024). How water binds to microcline feldspar (001). *Journal of Physical Chemistry Letters*, 15(1), 15–22. <https://doi.org/10.1021/acs.jpcclett.3c03235>

[Link](#)

103 Physik, Astronomie

Jorstad, N. P., Fiorentini, S., Ender, J., Wolfgang Goes, Selberherr, S., & Sverdlov, V. (2024). Micromagnetic modeling of SOT-MRAM dynamics. *PHYSICA B-CONDENSED MATTER*, 676, Article 415612. <https://doi.org/10.1016/j.physb.2023.415612>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Mwanake, H., Mehdi-Schulz, B., Schulz, K., Kitaka, N., Olang, L. O., Lederer, J., & Herrnegger, M. (2023). Agricultural practices and soil and water conservation in the transboundary region of Kenya and Uganda: farmers' perspectives of current soil erosion. *Agriculture*, 13(7), Article 1434. <https://doi.org/10.3390/agriculture13071434>

[Link](#)

105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften
401 Land- und Forstwirtschaft, Fischerei

Reiter, T., Aginsky, L. F., Souza Berti Rodrigues, F., Weinbub, J., Hössinger, A., & Filipovic, L. (2024). Modeling the Impact of Incomplete Conformality During Atomic Layer Processing. *Solid-State Electronics*, 211, Article 108816. <https://doi.org/10.1016/j.sse.2023.108816>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wilhelmer, C., Waldhör, D., Cvitkovich, L., Milardovich, D., Walzl, M., & Grasser, T. (2023). Over- and Undercoordinated Atoms as a Source of Electron and Hole Traps in Amorphous Silicon Nitride (a-Si₃N₄). *Nanomaterials*, 13(16), Article 2286. <https://doi.org/10.3390/nano13162286>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Michel, Y., Li, Z., & Lee, D. (2023). A Learning-Based Shared Control Approach for Contact Tasks. *IEEE Robotics and Automation Letters*, 8(12), 8002–8009. <https://doi.org/10.1109/LRA.2023.3322332>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zaloznik, S., & Navratil, G. (2023). Cadastral surveys using terrestrial laser scanning - accuracy and

economy. *GEODETSKI VESTNIK*, 67(04), 473–486. <https://doi.org/10.15292/geodetski-vestnik.2023.04.473-486>

[Link](#)

102 Informatik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Mazurkiewicz, B., Kattenbeck, M., & Giannopoulos, I. (2023). Free Choice Navigation in the Real World: Giving Back Freedom to Wayfinders. *ISPRS International Journal of Geo-Information*, 12(2), Article 27. <https://doi.org/10.3390/ijgi12020027>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Igwe, C. L., Pauk, J. N., Müller, D. F., Jaeger, M., Deuschitz, D., Hartmann, T., & Spadiut, O. (2024). Comprehensive evaluation of recombinant lactate dehydrogenase production from inclusion bodies. *Journal of Biotechnology*, 379, 65–77. <https://doi.org/10.1016/j.jbiotec.2023.11.006>

[Link](#)

209 Industrielle Biotechnologie

Schütz, M., Kerbl, B., Klaus, P., & Wimmer, M. (2023). GPU-Accelerated LOD Generation for Point Clouds. *Computer Graphics Forum*, 42(8), Article e14877. <https://doi.org/10.1111/cgf.14877>

[Link](#)

102 Informatik

Virtucio, M. B., Cetiner, B., Zhao, B., Soga, K., & Taciroglu, E. (2024). A granular framework for modeling the capacity loss and recovery of regional transportation networks under seismic hazards?: A case study on the Port of Los Angeles. *International Journal of Disaster Risk Reduction*, 100, Article 104164. <https://doi.org/10.1016/j.ijdrr.2023.104164>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

David, M., Doganlar, I. C., Nazzari, D., Arigliani, E., Wacht, D., Sistani, M., Detz, H., Ramer, G., Lendl, B., Weber, W. M., Strasser, G., & Hinkov, B. (2024). Surface Protection and Activation of Mid-IR Plasmonic Waveguides for Spectroscopy of Liquids. *Journal of Lightwave Technology*, 42(2), 748–759. <https://doi.org/10.1109/JLT.2023.3321034>

[Link](#)

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

Rastädter, K., Wurm, D. J., Spadiut, O., & Quehenberger, J. (2023). kLa based scale-up cultivation of the extremophilic archaeon *Sulfolobus acidocaldarius*: from benchtop to pilot scale. *Frontiers in Bioengineering and Biotechnology*, 11, 1160012. <https://doi.org/10.3389/fbioe.2023.1160012>

[Link](#)

209 Industrielle Biotechnologie

Sedlmayr, V., Horn, C., Wurm, D. J., Spadiut, O., & Quehenberger, J. (2023). Archaeosomes facilitate storage and oral delivery of cannabidiol. *International Journal of Pharmaceutics*, 645, Article 123434. <https://doi.org/10.1016/j.ijpharm.2023.123434>

[Link](#)

209 Industrielle Biotechnologie

Geppner, L., Ramer, G., Tomasetig, D., Grundhöfer, L., Küss, J., Kaup, M., & Henjakovic, M. (2023). A novel enzymatic method for isolation of plastic particles from human blood. *Environmental Toxicology*

and Pharmacology, 104, Article 104318. <https://doi.org/10.1016/j.etap.2023.104318>

[Link](#)

104 Chemie

Redondo, J., Michalicka, J., Kraushofer, F., Franceschi, G., Šmid, B., Kumar, N., Man, O., Blatnik, M., Wrana, D., Mallada, B., Švec, M., Parkinson, G. S., Setvin, M., Riva, M., Diebold, U., & Cechal, J. (2023). Hematite α -Fe₂O₃(0001) in Top and Side View: Resolving Long-Standing Controversies about Its Surface Structure. *Advanced Materials Interfaces*, 10(32), Article 2300602. <https://doi.org/10.1002/admi.202300602>

[Link](#)

103 Physik, Astronomie

Schachner-Gröhs, I., Strohhammer, T., Frick, C., Campostrini, L., Linke, R. B., Zarfel, G., Farnleitner, A., & Kirschner, A. (2023). Low antimicrobial resistance in *Escherichia coli* isolates from two large Austrian alpine karstic spring catchments. *Science of the Total Environment*, 894, 164949. <https://doi.org/10.1016/j.scitotenv.2023.164949>

[Link](#)

106 Biologie

Rudnytskyj, A., Vorlauffer, G., Leimhofer, J., Jech, M., & Gachot, C. (2023). Estimating the real contact area in lubricated hot rolling of aluminium. *Tribology International*, 180, 108283. <https://doi.org/10.1016/j.triboint.2023.108283>

[Link](#)

203 Maschinenbau

Jech, M., Miranda-Medina, M. L., Wopelka, T., Tomastik, C., & Gachot, C. (2023). Effect of Sliding on the Relation of Tribofilm Thickness and Wear. *Lubricants*, 11(2), Article 72. <https://doi.org/10.3390/lubricants11020072>

[Link](#)

203 Maschinenbau

Rodríguez Ripoll, M., Kohlhauser, B., Vladu, C. I., Tomastik, C., & Gachot, C. (2023). Reactive formation of a few 2D layers of MoS₂ using triboactive Mo surfaces and their interaction with anti-wear additives and dispersants. *Wear*, 523, 204756. <https://doi.org/10.1016/j.wear.2023.204756>

[Link](#)

203 Maschinenbau

Vrlic, M., Pernsteiner, D., Schirrer, A., Hametner, C., & Jakubek, S. (2023). Reduced-dimensionality nonlinear distributed-parameter observer for fuel cell systems. *Energy Reports*, 10. <https://doi.org/10.1016/j.egy.2023.06.006>

[Link](#)

103 Physik, Astronomie

201 Bauwesen

202 Elektrotechnik, Elektronik, Informationstechnik

Putra, R. V. W., Hanif, M. A., & Shafique, M. (2023). RescueSNN: enabling reliable executions on spiking neural network accelerators under permanent faults. *Frontiers in Neuroscience*, 17, Article 1159440. <https://doi.org/10.3389/fnins.2023.1159440>

[Link](#)

102 Informatik

Kanellopoulos, K., West, R. G., & Schmid, S. (2023). Nanomechanical photothermal near infrared spectromicroscopy of individual nanorods. *ACS Photonics*, 10(10), 3730–3739. <https://doi.org/10.1021/acsp Photonics.3c00937>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Luhmann, N., West, R. G., Lafleur, J. P., & Schmid, S. (2023). Nanoelectromechanical Infrared Spectroscopy with In Situ Separation by Thermal Desorption: NEMS-IR-TD. *ACS Sensors*, 8(4), 1462–1470. <https://doi.org/10.1021/acssensors.2c02435>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kähler, H., Arthaber, H., Winkler, R., West, R. G., Ignat, I., Plank, H., & Schmid, S. (2023). Transduction of Single Nanomechanical Pillar Resonators by Scattering of Surface Acoustic Waves. *Nano Letters*, 23(10), 4344–4350. <https://doi.org/10.1021/acs.nanolett.3c00605>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Handelshaus, M., Chiang, Y.-R., Marchetti-Deschmann, M., Thurner, P. J., & Andriotis, O. G. (2023). Collagen fibril tensile response described by a nonlinear Maxwell model. *Journal of the Mechanical Behavior of Biomedical Materials*, 145, Article 105991. <https://doi.org/10.1016/j.jmbbm.2023.105991>

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

305 Andere Humanmedizin, Gesundheitswissenschaften

Drmot, M., Noy, M., & Stufler, B. (2023). Cut Vertices in Random Planar Maps. *Electronic Journal of Combinatorics*, 30(3), Article P3.32. <https://doi.org/10.37236/11163>

[Link](#)

101 Mathematik

102 Informatik

Stufler, B. (2023). The uniform infinite cubic planar graph. *BERNOULLI*, 29(4), 2902–2926. <https://doi.org/10.3150/22-BEJ1568>

[Link](#)

101 Mathematik

102 Informatik

Sénizergues, D., Stefánsson, S. Ö., & Stufler, B. (2023). Decorated stable trees. *Electronic Journal of Probability*, 28, Article 149. <https://doi.org/10.1214/23-EJP1050>

[Link](#)

101 Mathematik

102 Informatik

Nastran, M., & Stöger, B. (2023). The complex symmetry relationships of methylammonium hexafluoroantimonates [(CH₃)₃NH₄]_xSbF₆ (x = 1–4) with CsCl-type high-temperature structures. *CRYSTAL GROWTH & DESIGN*, 23(4), 2689–2701. <https://doi.org/10.1021/acs.cgd.2c01492>

[Link](#)

101 Mathematik

104 Chemie

Szabo, A., Haaser, G., Steinlechner, H., Walch, A., Maierhofer, S., Ortner, T., & Gröller, E. (2023). Feature-assisted interactive geometry reconstruction in 3D point clouds using incremental region growing. *COMPUTERS & GRAPHICS-UK*, 111, 213–224. <https://doi.org/10.1016/j.cag.2023.02.004>

[Link](#)

102 Informatik

Taschner, R., Koch, T., Wolff, R., Stampfl, J., Liska, R., & Knaack, P. (2023). Evaluation of sulfonium borate initiators for cationic photopolymerization and their application in hot lithography. *ACS Applied*

Polymer Materials, 5(4), 3023–3033. <https://doi.org/10.1021/acsapm.3c00191>

[Link](#)

104 Chemie

205 Werkstofftechnik

de Oro Calderon, R., Lunzer, M., Wodak, I., & Steinlechner, R. (2023). Fundamental aspects of phase formation in WC-based cemented carbides containing FeMn-based binders. INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS, 117, Article 106411. <https://doi.org/10.1016/j.ijrmhm.2023.106411>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Schubert, W.-D., Steinlechner, R., & de Oro Calderon, R. (2023). On the constitution and cobalt alloy formation in WC-1.4 wt% Ru-9.5 wt% Co cemented carbides. INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS, 116, Article 106346. <https://doi.org/10.1016/j.ijrmhm.2023.106346>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

West, R. G., Kanellopoulos, K., & Schmid, S. (2023). Photothermal microscopy and spectroscopy with nanomechanical resonators. JOURNAL OF PHYSICAL CHEMISTRY C, 127(45), 21915–21929. <https://doi.org/10.1021/acs.jpcc.3c04361>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hochwallner, F., Reichl, C., & Emhofer, J. (2023). Reduced modeling of liquid desiccant falling film absorbers. Applied Thermal Engineering, 225, Article 120183. <https://doi.org/10.1016/j.applthermaleng.2023.120183>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Churchill, C. E., Nusser, B., & Lux, C. (2023). Calculating the equivalent elastic moduli and their influence on modelling the sound insulation of softwood cross laminated timber (CLT). Applied Acoustics, 205, Article 109277. <https://doi.org/10.1016/j.apacoust.2023.109277>

[Link](#)

201 Bauwesen

Hartner-Tiefenthaler, M., & Schöllbauer, J. (2023). App-based self-trainings targeting strain recovery and their effect on concentration. Scientific Reports, 13, Article 19860. <https://doi.org/10.1038/s41598-023-45906-6>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

509 Andere Sozialwissenschaften

Palladino, C., Ellinger, I., Kalic, T., Humeniuk, P., Ret, D., Mayr, V., Hafner, C., Hemmer, W., Hoffmann-Sommergruber, K., Untersmayr, E., Bublin, M., Radauer, C., & Breiteneder, H. (2023). Peanut lipids influence the response of bronchial epithelial cells to the peanut allergens Ara h 1 and Ara h 2 by decreasing barrier permeability. Frontiers in Molecular Biosciences, 10, Article 1126008. <https://doi.org/10.3389/fmolb.2023.1126008>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

de Pagter, J. (2023). From EU Robotics and AI Governance to HRI Research: Implementing the Ethics Narrative. *International Journal of Social Robotics*, 1–15. <https://doi.org/10.1007/s12369-023-00982-6>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

509 Andere Sozialwissenschaften

Wilkovitsch, M., Svatunek, D., Mikula, H., & Denk, C. (2023). Post-radiolabeling thioether oxidation to enhance the bioorthogonal reactivity of ¹⁸F-tetrazines. *MONATSHEFTE FÜR CHEMIE*, 154(12), 1441–1457. <https://doi.org/10.1007/s00706-023-03140-w>

[Link](#)

104 Chemie

Willner, J., Brunnbauer, L., Larisegger, S., Nelhiebel, M., Marchetti-Deschmann, M., & Limbeck, A. (2023). A versatile approach for the preparation of matrix-matched standards for LA-ICP-MS analysis - Standard addition by the spraying of liquid standards. *Talanta*, 256, Article 124305. <https://doi.org/10.1016/j.talanta.2023.124305>

[Link](#)

104 Chemie

Pichler, J., Eder, R. M., Widder, L., Varga, M., Marchetti-Deschmann, M., & Frauscher, M. (2023). Moving towards green lubrication: tribological behavior and chemical characterization of spent coffee grounds oil. *Green Chemistry Letters and Reviews*, 16(1), Article 2215243. <https://doi.org/10.1080/17518253.2023.2215243>

[Link](#)

104 Chemie

Malissa, A., Cappa, F., Schreiner, M., & Marchetti-Deschmann, M. (2023). Spectral Features Differentiate Aging-Induced Changes in Parchment-A Combined Approach of UV/VIS, μ -ATR/FTIR and μ -Raman Spectroscopy with Multivariate Data Analysis. *Molecules*, 28(12), Article 4584. <https://doi.org/10.3390/molecules28124584>

[Link](#)

104 Chemie

Missbach, K., Flatschacher, D., Bueschl, C., Samson, J. M., Leibetseder, S., Marchetti-Deschmann, M., Zeilinger, S., & Schuhmacher, R. (2023). Light-induced changes in secondary metabolite production of *Trichoderma atroviride*. *Journal of Fungi*, 9(8), Article 785. <https://doi.org/10.3390/jof9080785>

[Link](#)

104 Chemie

106 Biologie

Tripkovic, S., Eller, L., Svoboda, P., & Rupp, M. (2023). Unbiased Benchmarking in Mobile Networks: The Role of Sampling and Stratification. *IEEE Access*, 11, 53772–53787. <https://doi.org/10.1109/ACCESS.2023.3280828>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schierer, V., Rieder-Gradinger, C., & Rosenberg, E. E. (2023). Method comparison for the identification and characterization of odorants from scots pine (*Pinus sylvestris* L.) and oriented strand boards (OSB) made thereof by GC-MS and GC-FID/O using different headspace techniques. *Chemosensors*, 11(10), Article 543. <https://doi.org/10.3390/chemosensors11100543>

[Link](#)

104 Chemie

205 Werkstofftechnik

Kronlachner, L., Frank, J., Rosenberg, E., & Limbeck, A. (2023). A novel measurement strategy and a dedicated sampling cell for the parallel characterization of organic and inorganic constituents in polymer samples by concurrent laser ablation ICP-OES and EI-MS. *Analytica Chimica Acta*, 1264, Article 341305. <https://doi.org/10.1016/j.aca.2023.341305>

[Link](#)

104 Chemie

Brunnbauer, L., Zeller, V., Gajarska, Z., Larisegger, S., Schwab, S., Lohninger, H., & Limbeck, A. (2023). Classification of epoxy molding compounds by Tandem LA-ICP-MS/LIBS to enhance the reliability of electronic devices. *SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY*, 207, Article 106739. <https://doi.org/10.1016/j.sab.2023.106739>

[Link](#)

104 Chemie

Podsednik, M., Weiss, M., Larisegger, S., Frank, J., Pobegen, G., Nelhiebel, M., & Limbeck, A. (2023). Quantitative analysis of trace elements in technological materials using online-laser ablation of solids in liquids (online-LASIL). *SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY*, 205, Article 106705. <https://doi.org/10.1016/j.sab.2023.106705>

[Link](#)

104 Chemie

S-Tisza, A., Klikovits, T., Benej, M., Török, S., Szeitz, B., Valko, Z., Hoda, M. A., Hegedus, B., Bonta, M., Nischkauer, W., Hoetzenecker, K., Limbeck, A., Schelch, K., Laszlo, V., Megyesfalvi, Z., & Dome, B. (2023). Laser ablation-inductively coupled plasma-mass spectrometry analysis reveals differences in chemotherapeutic drug distribution in surgically resected pleural mesothelioma. *British Journal of Clinical Pharmacology*, 89(11), 3364–3374. <https://doi.org/10.1111/bcp.15813>

[Link](#)

104 Chemie

Bologheanu, R., Kapral, L., Laxar, D., Maleczek, M., Dibiasi, C., Zeiner, S., Agibetov, A., Ercole, A., Thoral, P., Elbers, P., Clemens Heitzinger, & Kimberger, O. (2023). Development of a reinforcement learning algorithm to optimize corticosteroid therapy in critically ill patients with sepsis. *Journal of Clinical Medicine*, 12(4), Article 1513. <https://doi.org/10.3390/jcm12041513>

[Link](#)

101 Mathematik

102 Informatik

Ruzicka, L., Dominik Söllinger, Kohn, B., Heitzinger, C., Uhl, A., & Strobl, B. (2023). Improving sensor interoperability between contactless and contact-based fingerprints using pose correction and unwarping. *IET Biometrics*, 2023, Article 7519499. <https://doi.org/10.1049/2023/7519499>

[Link](#)

101 Mathematik

103 Physik, Astronomie

Ehlers, H., Villedieu, A., Raidou, R. G., & Wu, H.-Y. (2023). Improving readability of static, straight-line graph drawings: A first look at edge crossing resolution through iterative vertex splitting. *COMPUTERS & GRAPHICS-UK*, 116, 448–463. <https://doi.org/10.1016/j.cag.2023.09.010>

[Link](#)

102 Informatik

Glira, P., Weidinger, C., Otepka-Schremmer, J., Ressler, C., Pfeifer, N., & Haberler-Weber, M. (2023). Nonrigid point cloud registration using piecewise tricubic polynomials as transformation model. *Remote Sensing*, 15(22), Article 5348. <https://doi.org/10.3390/rs15225348>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kratena, N., Draskovits, M., Biedermann, N., Oburger, E., & Stanetty, C. (2023). Total synthesis of [¹³C₂] -labeled phytosiderophores of the mugineic and avenic acid families. *JOURNAL OF LABELLED COMPOUNDS & RADIOPHARMACEUTICALS*, 66(13), 428–434. <https://doi.org/10.1002/jlcr.4064>

[Link](#)

104 Chemie
106 Biologie
405 Andere Agrarwissenschaften

Paskaleva, G., Mazak-Huemer, A., Villeneuve, M., & Waldhart, J. (2023). Automated translation from domain knowledge to software model: EXCEL2UML in the tunneling domain. *Journal of Information Technology in Construction*, 28, 360–384. <https://doi.org/10.36680/j.itcon.2023.019>

[Link](#)

102 Informatik
201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Huymajer, M., Paskaleva, G., Wenighofer, R., Huemer, C., & Mazak-Huemer, A. (2024). IFC concepts in the execution phase of conventional tunneling projects. *Tunnelling and Underground Space Technology*, 143, Article 105368. <https://doi.org/10.1016/j.tust.2023.105368>

[Link](#)

102 Informatik
201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Eiter, T., & Kiesel, R. P. D. (2023). Semiring Reasoning Frameworks in AI and Their Computational Complexity. *Journal of Artificial Intelligence Research*, 77, 207–293. <https://doi.org/10.1613/jair.1.13970>

[Link](#)

102 Informatik

Schmidt, J., Pointner, B., & Miksch, S. (2024). Visual Analytics for Understanding Draco's Knowledge Base. *IEEE Transactions on Visualization and Computer Graphics*, 30(1), 392–402. <https://doi.org/10.1109/TVCG.2023.3326912>

[Link](#)

102 Informatik

Meier, F., Schwarzahns, E., Erker, P., & Huber, M. (2023). Fundamental Accuracy-Resolution Trade-Off for Timekeeping Devices. *Physical Review Letters*, 131(22), Article 220201. <https://doi.org/10.1103/PhysRevLett.131.220201>

[Link](#)

103 Physik, Astronomie

Naghdi, S., Moheb Shahrestani, M., Zendeabad, M., Djahaniani, H., Kazemian, H., & Eder, D. (2023). Recent advances in application of metal-organic frameworks (MOFs) as adsorbent and catalyst in removal of persistent organic pollutants (POPs). *Journal of Hazardous Materials*, 442, Article 130127. <https://doi.org/10.1016/j.jhazmat.2022.130127>

[Link](#)

104 Chemie

Zhang, K., Shi, Y., Karnouskos, S., Sauter, T., Fang, H., & Colombo, A. W. (2023). Advancements in Industrial Cyber-Physical Systems: An Overview and Perspectives. *IEEE Transactions on Industrial*

Informatics, 19(1), 716–729. <https://doi.org/10.1109/TII.2022.3199481>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Tesfaye, D., Linert, W., Gebrezgiabher, M., Bayeh, Y., Elemo, F., Sani, T., KALARIKKAL, N., & Thomas, M. (2023). Iron(II) Mediated Supramolecular Architectures with Schiff Bases and Their Spin-Crossover Properties. *Molecules*, 28(3), 1012–1046. <https://doi.org/10.3390/molecules28031012>

[Link](#)

103 Physik, Astronomie

104 Chemie

Karic, A., Atalic, J., Rudisch, A., & Kolbitsch, A. (2023). Erdbebenschäden an gründerzeitlichen Mauerwerksbauten – Wechselwirkung zwischen tragender Gebäudestruktur und nichttragenden Bauelementen. *Bauingenieur*, 98(4), 85–92. <https://doi.org/10.37544/0005-6650-2023-04-41>

[Link](#)

201 Bauwesen

Dacic, A., Kopeckó, K., Fenyvesi, O., & Merta, I. (2023). The Obstacles to a Broader Application of Alkali-Activated Binders as a Sustainable Alternative—A Review. *Materials*, 16(8), Article 3121. <https://doi.org/10.3390/ma16083121>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Yuan, S., Ma, C., Fetaya, E., Müller, T., Naveh, D., Zhang, F., & Xia, F. (2023). Geometric deep optical sensing. *Science*, 379(6637), Article eade1220. <https://doi.org/10.1126/science.ade1220>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wei, S., Pfeffer, P., & Edelmann, J. (2023). State of the Art: Ongoing Research in Assessment Methods for Lane Keeping Assistance Systems. *IEEE Transactions on Intelligent Vehicles*. <https://doi.org/10.34726/4241>

[Link](#)

203 Maschinenbau

Liu, W., Haardt, M., Greco, M., Mecklenbräuker, C. F., & Willett, P. (2023). Twenty-Five Years of Sensor Array and Multichannel Signal Processing: A review of progress to date and potential research directions. *IEEE Signal Processing Magazine*, 40(4), 80–91. <https://doi.org/10.1109/MSP.2023.3258060>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Vitagliano, G., & Budroni, C. (2023). Leggett-Garg macrorealism and temporal correlations. *Physical Review A*, 107(4), Article 040101. <https://doi.org/10.1103/PhysRevA.107.040101>

[Link](#)

103 Physik, Astronomie

Vujovic, M., Stojanovic, D., Selami, T., & Hensel, M. U. (2023). Design and science: Content analysis of published peer-reviewed research over the last four decades. *Frontiers of Architectural Research*, 12(4), 613–629. <https://doi.org/10.1016/j.foar.2023.04.001>

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Sant'Anna, F. M., Resende, R. C. L., Sant'Anna, L. B., Couceiro, S. L. M., Pinto, R. B. S., Sant'Anna, M. B., Chao, L. W., Szeles, J. C., & Kaniusas, E. (2023). Auricular vagus nerve stimulation: a new option to treat inflammation in COVID-19? *REVISTA DA ASSOCIACAO MEDICA BRASILEIRA*, 69(6), Article e20230345. <https://doi.org/10.1590/1806-9282.20230345>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

206 Medizintechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Cao, H., Cižmár, T., Turtaev, S., Tyc, T., & Rotter, S. (2023). Controlling light propagation in multimode fibers for imaging, spectroscopy, and beyond. *Advances in Optics and Photonics*, 15(2), 524–612. <https://doi.org/10.1364/AOP.484298>

[Link](#)

103 Physik, Astronomie

Kocijan, V., Davis, E., Lukasiewicz, T., Marcus, G., & Morgenstern, L. (2023). The Defeat of the Winograd Schema Challenge. *Artificial Intelligence*, 325, Article 103971. <https://doi.org/10.1016/j.artint.2023.103971>

[Link](#)

101 Mathematik

102 Informatik

McDermid, S., Nocco, M., Lawston-Parker, P., Keune, J., Pokhrel, Y., Jain, M., Jägermeyr, J., Brocca, L., Massari, C., Jones, A. D., Vahmani, P., Thiery, W., Yao, Y., Bell, A., Chen, L., Dorigo, W. A., Hanasaki, N., Jasechko, S., Lo, M.-H., ... Zappa, L. (2023). Irrigation in the Earth system. *Nature Reviews Earth & Environment*, 4, 435–453. <https://doi.org/10.1038/s43017-023-00438-5>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schoellbauer, J., Hartner-Tiefenthaler, M., & Kelliher, C. (2023). Strain, loss of time, or even gain? A systematic review of technology-based work extending and its ambiguous impact on wellbeing, considering its frequency and duration. *Frontiers in Psychology*, 14, Article 1175641. <https://doi.org/10.3389/fpsyg.2023.1175641>

[Link](#)

102 Informatik

501 Psychologie

502 Wirtschaftswissenschaften

Schirpke, U., Tasser, E., Borsky, S., Braun, M., Eitzinger, J., Gaube, V., Getzner, M., Glatzel, S., Gschwantner, T., Kirchner, M., Leitinger, G., Mehdi-Schulz, B., Mitter, H., Scheifinger, H., Thaler, S., Thom, D., & Thaler, T. (2023). Past and future impacts of land-use changes on ecosystem services in Austria. *Journal of Environmental Management*, 345, Article 118728. <https://doi.org/10.1016/j.jenvman.2023.118728>

[Link](#)

107 Andere Naturwissenschaften

502 Wirtschaftswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Bliokh, K. Y., Karimi, E., Padgett, M. J., Alonso, M. A., Dennis, M. R., Dudley, A., Forbes, A., Zahedpour, S., Hancock, S., Milchberg, H., Rotter, S., Nori, F., Özdemir, S. K., Bender, N., Cao, H., Corkum, P. B., Hernández-García, C., Ren, H., Kivshar, Y., ... Marquardt, F. (2023). Roadmap on structured waves. *Journal of Optics*, 25(10), Article 103001. <https://doi.org/10.1088/2040-8986/acea92>

[Link](#)

103 Physik, Astronomie

Bloch, T., & Fauth, J. (2023). The unbalanced research on digitalization and automation of the building permitting process. *Advanced Engineering Informatics*, 58, Article 102188. <https://doi.org/10.1016/j.aei.2023.102188>

[Link](#)

201 Bauwesen

Ehrmann, K., & Barner-Kowollik, C. (2023). Colorful 3D Printing: A Critical Feasibility Analysis of Multi-Wavelength Additive Manufacturing. *Journal of the American Chemical Society*. <https://doi.org/10.1021/jacs.3c09567>

[Link](#)

104 Chemie

Stolzenburg, D., Cai, R., Blichner, S. M., Kontkanen, J., Zhou, P., Makkonen, R., Kerminen, V.-M., Kulmala, M., Riipinen, I., & Kangasluoma, J. (2023). Atmospheric nanoparticle growth. *Reviews of Modern Physics*, 95(4), Article 045002. <https://doi.org/10.1103/RevModPhys.95.045002>

[Link](#)

103 Physik, Astronomie

104 Chemie

105 Geowissenschaften

David, R., Rybina, A., Burel, J.-M., Heriche, J.-K., Audergon, P., Boiten, J.-W., Coppens, F., Crockett, S., Exter, K., Fahrner, S., Fratelli, M., Goble, C., Gormanns, P., Grantner, T., Grüning, B., Gurwitz, K. T., Hancock, J. M., Harmse, H., Holub, P., ... Gribbon, P. (2023). "Be sustainable": EOSC-Life recommendations for implementation of FAIR principles in life science data handling. *EMBO Journal*, Article e115008. <https://doi.org/10.15252/emboj.2023115008>

[Link](#)

102 Informatik

Biserova-Tahchieva, A., Biezma-Moraleda, M. V., Llorca-Isern, N., Gonzalez-Lavin, J., & Linhardt, P. (2023). Additive manufacturing processes in selected corrosion resistant materials: a state of knowledge review. *Materials*, 16(5), Article 1893. <https://doi.org/10.3390/ma16051893>

[Link](#)

104 Chemie

Hodžic, S., Roy, A., & Andreeva, E. (2023). Quantum cryptanalysis of Farfalle and (generalised) key-alternating Feistel networks. *Designs, Codes and Cryptography*. <https://doi.org/10.1007/s10623-023-01305-6>

[Link](#)

101 Mathematik

102 Informatik

Bosoni, E., Beal, L., Bercx, M., Blaha, P., Blügel, S., Bröder, J., Callsen, M., Cottenier, S., Degomme, A., Dikan, V., Eimre, K., Flage-Larsen, E., Fornari, M., Garcia, A., Genovese, L., Giantomassi, M., Huber, S. P., Janssen, H., Kastlunger, G., ... Pizzi, G. (2023). How to verify the precision of density-functional-theory implementations via reproducible and universal workflows. *Nature Reviews Physics*. <https://doi.org/10.1038/s42254-023-00655-3>

[Link](#)

104 Chemie

Lulay, F., Weidlich, C., Valtiner, M., & Pichler, C. (2023). Membrane degradation in redoxflow batteries. *Green Chemistry Letters and Reviews*, 16(1), Article 2274529. <https://doi.org/10.1080/17518253.2023.2274529>

[Link](#)

103 Physik, Astronomie

Nenzi, L., Bartocci, E., Bortolussi, L., Silveti, S., & Loreti, M. (2023). MoonLight: a lightweight tool for monitoring spatio-temporal properties. *International Journal on Software Tools for Technology Transfer*, 25(4), 503–517. <https://doi.org/10.1007/s10009-023-00710-5>

[Link](#)

102 Informatik

Höflich, K., Hobler, G., Allen, F. I., Wirtz, T., Rius, G., McElwee-White, L., Krasheninnikov, A. V., Schmidt, M., Utke, I., Klingner, N., Osenberg, M., Córdoba, R., Djurabekova, F., Manke, I., Moll, P., Manoccio, M., De Teresa, J. M., Bischoff, L., Michler, J., ... Hlawacek, G. (2023). Roadmap for focused ion beam technologies. *Applied Physics Reviews*, 10(4), 1–93. <https://doi.org/10.1063/5.0162597>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bilik, S., Zemcik, T., Kratochvila, L., Ricanek, D., Richter, M., Zambanini, S., & Horak, K. (2024). Machine learning and computer vision techniques in continuous beehive monitoring applications: A survey. *Computers and Electronics in Agriculture*, 217, Article 108560. <https://doi.org/10.1016/j.compag.2023.108560>

[Link](#)

101 Mathematik

102 Informatik

Summer, S., Kocsis, A., Reihls, E. I., Rothbauer, M., Lonhus, K., Stys, D., Ertl, P., & Fischer, M. B. (2023). Automated analysis of mitochondrial dimensions in mesenchymal stem cells: Current methods and future perspectives. *Heliyon*, 9(1), e12987. <https://doi.org/10.1016/j.heliyon.2023.e12987>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Spitz, S., Ko, E., Ertl, P., & Kamm, R. D. (2023). How Organ-on-a-Chip Technology Can Assist in Studying the Role of the Glymphatic System in Neurodegenerative Diseases. *International Journal of Molecular Sciences*, 24(3), Article 2171. <https://doi.org/10.3390/ijms24032171>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Mazumdar, S., & Ruj, S. (2023). CryptoMaze: Privacy-Preserving Splitting of Off-Chain Payments. *IEEE Transactions on Dependable and Secure Computing*, 20(2), 1060–1073. <https://doi.org/10.1109/TDSC.2022.3148476>

[Link](#)

101 Mathematik

102 Informatik

Bhandary, S., Kuhn, D., Babaiee, Z., Fechter, T., Benndorf, M., Zamboglou, C., Grosu, A.-L., & Grosu, R. (2023). Investigation and benchmarking of U-Nets on prostate segmentation tasks. *Computerized Medical Imaging and Graphics*, 107, Article 102241. <https://doi.org/10.1016/j.compmedimag.2023.102241>

[Link](#)

101 Mathematik

102 Informatik

302 Klinische Medizin

Asasian Kolor, N., Sharifian, S., Haddadi Sisakht, B., Jordan, C., & Harasek, M. (2023). Ordered porous

carbon preparation by hard templating approach for hydrogen adsorption application. *Biomass Conversion and Biorefinery*. <https://doi.org/10.1007/s13399-023-04282-x>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Stollwitzer, A., Bettinelli, L., & Fink, J. (2023). The longitudinal track-bridge interaction of ballasted track in railway bridges: Experimental determination of dynamic stiffness and damping characteristics. *Engineering Structures*, 274(1), 1–20. <https://doi.org/10.1016/j.engstruct.2022.115115>

[Link](#)

201 Bauwesen

Karic, A., Sonnek, R., Deix, K., & Kolbitsch, A. (2023). Nachbemessungsstrategie für gemauerte, gründerzeitliche Schubwände. *Bauingenieur*, 98(1–2), 18–27. <https://doi.org/10.37544/0005-6650-2023-01-02-46>

[Link](#)

201 Bauwesen

Pöpl, F., Neuner, H., Mandlbürger, G., & Pfeifer, N. (2023). Integrated trajectory estimation for 3D kinematic mapping with GNSS, INS and imaging sensors: A framework and review. *ISPRS Journal of Photogrammetry and Remote Sensing*, 196, 287–305. <https://doi.org/10.1016/j.isprsjprs.2022.12.022>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Bayraktarova, K., Eberhardsteiner, L., Peyer, M. J., Peyerl, M., & Blab, R. (2023). Towards a better consideration of the interface bonding conditions in the design of bonded concrete overlays. *Materials and Structures*, 56(2), Article 30. <https://doi.org/10.1617/s11527-023-02107-x>

[Link](#)

201 Bauwesen

Eberhardsteiner, L., Bayraktarova, K., Peyer, M. J., & Blab, R. (2023). Performance based design of bonded whitetopping overlays. *Road Materials and Pavement Design*. <https://doi.org/10.1080/14680629.2022.2164331>

[Link](#)

201 Bauwesen

Scheidl, J., & Vetyukov, Y. (2023). Review and perspectives in applied mechanics of axially moving flexible structures. *Acta Mechanica*. <https://doi.org/10.1007/s00707-023-03514-5>

[Link](#)

203 Maschinenbau

Hammerschmid, M., Rosenfeld, D. C., Bartik, A., Benedikt, F., Fuchs, J., & Müller, S. (2023). Methodology for the Development of Virtual Representations within the Process Development Framework of Energy Plants: From Digital Model to Digital Predictive Twin—A Review. *Energies*, 16(6), Article 2641. <https://doi.org/10.3390/en16062641>

[Link](#)

102 Informatik

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Köck, B.-M., Friedl, A., Serna Loaiza, S., Wukovits, W., & Mihalyi-Schneider, B. (2023). Automation of Life Cycle Assessment—A Critical Review of Developments in the Field of Life Cycle Inventory

Analysis. Sustainability, 15(6), Article 5531. <https://doi.org/10.3390/su15065531>

[Link](#)

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dimitrijevic, D., Bösenhofer, M., & Harasek, M. (2023). Liquid–Liquid Phase Separation of Two Non-Dissolving Liquids—A Mini Review. *Processes*, 11(4), Article 1145. <https://doi.org/10.3390/pr11041145>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Mecklenbräuker, C. F. (2023). Multichannel equalization. *The Journal of the Acoustical Society of America*, 153(5), R9–R10. <https://doi.org/10.1121/10.0017969>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Brunner, P. H., Unterberger, A., & Fellner, J. (2023). Improving waste management by focussing on goals: A mini review of the publication sector. *Waste Management and Research*. <https://doi.org/10.1177/0734242X231172104>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sainz Martinez, A., Lanaridi, O., Stigel, K., Halbwirth, H., Schnürch, M., & Schröder, K. (2023). Extraction techniques for bioactive compounds of cannabis. *Natural Product Reports*, 40(3), 676–717. <https://doi.org/10.1039/d2np00059h>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Purcell, W., Neubauer, T., & Mallinger, K. (2023). Digital Twins in agriculture: challenges and opportunities for environmental sustainability. *Current Opinion in Environmental Sustainability*, 61, Article 101252. <https://doi.org/10.34726/4522>

[Link](#)

102 Informatik

405 Andere Agrarwissenschaften

Werner, W. (2023). Electron beams near surfaces: the concept of partial intensities for surface analysis and perspective on the low energy regime. *Frontiers in Materials*, 10, Article 1202456. <https://doi.org/10.3389/fmats.2023.1202456>

[Link](#)

103 Physik, Astronomie

Danner, C., Mach, R., & Mach-Aigner, A. R. (2023). The phenomenon of strain degeneration in biotechnologically relevant fungi. *Applied Microbiology and Biotechnology*, 107, 4745–4758. <https://doi.org/10.1007/s00253-023-12615-z>

[Link](#)

106 Biologie

209 Industrielle Biotechnologie

Höhlschen, J. M., Hofreither, D., Tomin, T., & Birner-Grünberger, R. (2023). Redox-driven cardioprotective effects of sodium-glucose co-transporter-2 inhibitors: comparative review. *Cardiovascular Diabetology*, 22, Article 101. <https://doi.org/10.34726/4763>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Schubert, U., & Stöger, B. (2024). The structural chemistry of titanyl oligomers and polymers. *Coordination Chemistry Reviews*, 498, Article 215467. <https://doi.org/10.1016/j.ccr.2023.215467>

[Link](#)

104 Chemie

Kirschbaum, D. M., Lužnik, M., Le Roy, G., & Paschen, S. (2024). How to identify and characterize strongly correlated topological semimetals. *JPhys Materials*, 7(1), Article 012003. <https://doi.org/10.1088/2515-7639/ad0f30>

[Link](#)

103 Physik, Astronomie

Roccon, A., Zonta, F., & Soldati, A. (2023). Phase-field modeling of complex interface dynamics in drop-laden turbulence. *Physical Review Fluids*, 8(9), Article 090501. <https://doi.org/10.1103/PhysRevFluids.8.090501>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

De Paoli, M. (2023). Convective mixing in porous media: a review of Darcy, pore-scale and Hele-Shaw studies. *EUROPEAN PHYSICAL JOURNAL E*, 46, Article 129. <https://doi.org/10.1140/epje/s10189-023-00390-8>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Delidovich, I. (2023). Toward Understanding Base-Catalyzed Isomerization of Saccharides. *ACS Catalysis*, 13(4), 2250–2267. <https://doi.org/10.1021/acscatal.2c04786>

[Link](#)

104 Chemie

Delidovich, I., & Toussaint, V. (2023). Adsorptive separation of saccharides and polyols over materials functionalized with boronate groups. *Green Chemistry*. <https://doi.org/10.1039/D3GC04049F>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Hassanpour Guilvaiee, H., Heyes, P., Novotny, C., Kaltenbacher, M., & Toth, F. (2023). A validated modeling strategy for piezoelectric MEMS loudspeakers including viscous effects. *ACTA ACUSTICA*, 7, Article 24. <https://doi.org/10.1051/aacus/2023019>

[Link](#)

103 Physik, Astronomie

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Klausser, R., Kopp, J., Prada, E., Gisberg, F., Elshazly, M., & Spadiut, O. (2023). State-of-the-art and novel approaches to mild solubilization of inclusion bodies. *Frontiers in Bioengineering and Biotechnology*, 11, 1249196. <https://doi.org/10.3389/fbioe.2023.1249196>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik
209 Industrielle Biotechnologie

Rehm, C., Kolm, C., Pleininger, S., Heger, F., Indra, A., Reischer, G., Farnleitner, A., & Kirschner, A. K. T. (2023). *Vibrio cholerae*-An emerging pathogen in Austrian bathing waters? *Wiener Klinische Wochenschrift*, 135, 597–608. <https://doi.org/10.1007/s00508-023-02241-0>

[Link](#)

106 Biologie

303 Gesundheitswissenschaften

Pichler, J., Maria Eder, R., Besser, C., Pisarova, L., Dörr, N., Marchetti-Deschmann, M., & Frauscher, M. (2023). A comprehensive review of sustainable approaches for synthetic lubricant components. *Green Chemistry Letters and Reviews*, 16(1), Article 2185547. <https://doi.org/10.1080/17518253.2023.2185547>

[Link](#)

104 Chemie

Behrle, R., Krause Vanessa, Seifner, M. S., Köstler, B., Dick, K. A., Wagner, M., Sistani, M., & Barth, S. (2023). Electrical and Structural Properties of Si1-?Ge? Nanowires Prepared from a Single-Source Precursor. *Nanomaterials*, 13(4), Article 627. <https://doi.org/10.3390/nano13040627>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Fihel, A., Trias-Llimós, S., Muszynska-Spielauer, M., & Majerová, M. (2023). Alcohol-related mortality in four European countries: A multiple-cause-of-death study. *Drug and Alcohol Review*. <https://doi.org/10.1111/dar.13624>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Avalos Pacheco, A., Ballerini, V., Pedone, M., & Müller, P. (2023). Contributed Discussion: Causal Inference Under Mis-Specification: Adjustment Based on the Propensity Score (with Discussion). *Bayesian Analysis*, 18(2), 680–682.

[Link](#)

101 Mathematik

206 Medizintechnik

Zedka, R., Bobula, M., Blumenstein, J., Polak, L., & Rupp, M. (2023). Full-Rate Space-Time Line Code With Asymptotic SNR Gain. *IEEE Communications Letters*, 27(5), 1307–1311. <https://doi.org/10.1109/LCOMM.2023.3257410>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rajaei Farid, S., Asasian Kolor, N., Ghadimi, A., & Sharifian, S. (2024). Comparative study of moisture transfer of polyethersulfone-based membranes and kraft paper. *Applied Thermal Engineering*, 236, Article 121853. <https://doi.org/10.1016/j.applthermaleng.2023.121853>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

205 Werkstofftechnik

Adams, K., Iliffe, W., Nicholls, R. J., He, G., Diaz-Moreno, S., Mosselmans, F., Fischer, D. X., Eisterer, M., Grovenor, C. R. M., & Speller, S. C. (2023). Comparing neutron and helium ion irradiation damage of REBa2Cu3O7-dcoated conductor using x-ray absorption spectroscopy. *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*, 36(10), 10LT01. <https://doi.org/10.1088/1361-6668/aced9e>

[Link](#)

103 Physik, Astronomie

Szeles, J. C., Lucny, F., Tyercha, A., Kaniusas, E., & Neumayer, C. (2023). Case Report: Auricular vagus nerve stimulation possibly alleviates COVID-19 disease on a high-risk patient. *Frontiers in Physiology*, 13, 1–4. <https://doi.org/10.3389/fphys.2022.1000194>

[Link](#)

301 Medizinisch-theoretische Wissenschaften, Pharmazie

302 Klinische Medizin

Muszynska-Spielauer, M. M., & Spielauer, M. (2023). The effect of sample attrition in the EU Statistics on Income and Living Conditions on the estimates of Eurostat's Healthy Life Years. *European Journal of Public Health*, 33(3), 378–380. <https://doi.org/10.1093/eurpub/ckad069>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Pálvölgyi, Á. M., Scharinger, F., Bauhoff, T., & Bica-Schröder, K. (2023). Visible Light-Driven, Persulfate-Mediated Hydrocarboxylation of Vinylsulfones. *Advanced Synthesis & Catalysis*, 365(18), 3069–3074. <https://doi.org/10.1002/adsc.202300654>

[Link](#)

104 Chemie

van Nieuwenhoven, R., Drack, M., & Gebeshuber, I. C. (2023). Engineered Materials: Bioinspired “Good Enough” versus Maximized Performance. *Advanced Functional Materials*, 1–9. <https://doi.org/10.1002/adfm.202307127>

[Link](#)

103 Physik, Astronomie

106 Biologie

Scharinger, F., Weil, M., Schnürch, M., & Bica-Schröder, K. (2023). Synthesis of Chiral Diazabicycloalkanes via Organocatalytic aza-Michael/Aldol Reaction. *Advanced Synthesis & Catalysis*. <https://doi.org/10.1002/adsc.202301125>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Templ, J., & Schnürch, M. (2023). Allylation of C-, N-, and O-Nucleophiles via a Mechanochemically-Driven Tsuji–Trost Reaction Suitable for Late-Stage Modification of Bioactive Molecules. *Angewandte Chemie International Edition*, Article e202314637. <https://doi.org/10.1002/anie.202314637>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Svatunek, D. (2023). “Holographic” autostereoscopic displays: a perspective on their technology and potential impact in chemistry. *Chemistry – A European Journal*, 29(61), Article e202301746. <https://doi.org/10.1002/chem.202301746>

[Link](#)

102 Informatik

104 Chemie

EITER, T., GEIBINGER, T., MUSLIU, N., OETSCH, J., SKOCOVSKÝ, P., & STEPANOVA, D. (2023). Answer-Set Programming for Lexicographical Makespan Optimisation in Parallel Machine Scheduling.

Theory and Practice of Logic Programming, 23(6), 1281–1306. <https://doi.org/10.1017/S1471068423000017>

[Link](#)

101 Mathematik

102 Informatik

Wolff, R., Knaack, P., Seidler, K., Gorsche, C., Koch, T., Stampfl, J., & Liska, R. (2023). Additive manufacturing of high-performance polycyanurates via photo-induced catalytic poly-trimerization. *Journal of Materials Chemistry A*, 11(20), 10545–10550. <https://doi.org/10.1039/D3TA01264F>

[Link](#)

104 Chemie

205 Werkstofftechnik

Stradiotti, P., Preimesberger, W., van der Schalie, R., Madelon, R., Rodriguez-Fernandez, N. J., Hirschi, M., Gruber, A., Hahn, S., Dorigo, W. A., de Jeu, R., & Kidd, R. (2023). Soil Moisture. *BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY*, 104(9, Supplement), S65–S66. <https://doi.org/10.1175/2023BAMSStateoftheClimate.1>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Topa, D., Stöger, B., Kolitsch, U., Keutsch, F., & Stanley, C. (2023). Hayyanite. *Mineralogical Magazine*. <https://doi.org/10.1180/mgm.2023.76>

[Link](#)

105 Geowissenschaften

Topa, D., Stöger, B., Kolitsch, U., Keutsch, F., Raber, T., & Stanley, C. (2023). Buynite. *Mineralogical Magazine*. <https://doi.org/10.1180/mgm.2023.76>

[Link](#)

105 Geowissenschaften

Topa, D., Stöger, B., Kolitsch, U., Keutsch, F., Stanley, C., & Raber, T. (2023). Valouiseite. *Mineralogical Magazine*. <https://doi.org/10.1180/mgm.2023.76>

[Link](#)

105 Geowissenschaften

Topa, D., Sicher, P., Keutsch, F., Kolitsch, U., & Stanley, C. (2023). Baiamareite. *Mineralogical Magazine*. <https://doi.org/10.1180/mgm.2023.76>

[Link](#)

105 Geowissenschaften

Beerepoot, I., Di Ciccio, C., Reijers, H. A., Rinderle-Ma, S., Bandara, W., Burattin, A., Calvanese, D., Chen, T., Cohen, I., Depaire, B., Di Federico, G., Dumas, M., van Dun, C., Fehrer, T., Fischer, D. A., Gal, A., Indulska, M., Isahagian, V., Klinkmüller, C., ... Zerbato, F. (2023). The biggest business process management problems to solve before we die. *Computers in Industry*, 146, Article 103837. <https://doi.org/10.1016/j.compind.2022.103837>

[Link](#)

101 Mathematik

102 Informatik

Conibear, A. C., & Hartrampf, N. (2023). Reflections on Navigating a Pandemic: Perspectives from the Chemical Biology Community. *ChemBioChem*, 24(14), Article e202300258. <https://doi.org/10.1002/cbic.202300258>

[Link](#)

104 Chemie
106 Biologie

Haubner, R. (2023). For THEY do not know what THEY are doing. *Praktische Metallographie*, 60(5), 331–342. <https://doi.org/10.1515/pm-2023-0027>

[Link](#)

104 Chemie

Löffler, S., & Ederer, M. (2023). 4D Energy-Filtered STEM: A New Approach for Mapping Orbital Transitions. *Microscopy and Microanalysis*, 29(Supplement_1), 376–376. <https://doi.org/10.34726/5201>

[Link](#)

103 Physik, Astronomie
210 Nanotechnologie

Schnürch, M. (2023). Exploiting charged groups for metal-catalyzed meta-C–H functionalization of arenes. *Chem*, 9(4), 764–766. <https://doi.org/10.1016/j.chempr.2023.03.013>

[Link](#)

104 Chemie

Weißgärber, T., & Danninger, H. (2023). On the 100th birthday of Prof. Dr.-Ing. habil. Dr.-Ing. E.h. Werner Schatt. *Powder Metallurgy*, 66(1), 1–2. <https://doi.org/10.1080/00325899.2023.2167630>

[Link](#)

205 Werkstofftechnik
211 Andere Technische Wissenschaften

Michahelles, F., & Wintersberger, P. (2023). Let us Break the Time Barrier—Anytime Computing. *IEEE Pervasive Computing*, 22(4), 55–57. <https://doi.org/10.34726/5559>

[Link](#)

101 Mathematik
102 Informatik

Lin, S., Shen, C., & Zhang, H. (2023). Electric-field-tunable thermal conductivity in anti-ferroelectric materials. *Materials Today Physics*, 32, Article 100998. <https://doi.org/10.1016/j.mtphys.2023.100998>

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Efkarpidis, N., Imoscopi, S., Bratukhin, A., Brannvall, R., Franzl, G., Leopold, T., Bauer, V., Goranovic, A., Wilker, S., Yang, C. W., Gustafsson, J., Geidl, M., & Sauter, T. (2023). Proactive Scheduling of Mixed Energy Resources at Different Grid Levels. *IEEE Transactions on Sustainable Energy*. <https://doi.org/10.1109/TSSTE.2023.3320055>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rousseau, G., Izumoto, S., Le Borgne, T., & Heyman, J. (2023). Dispersion versus diffusion in mixing fronts. *Water Resources Research*, 59(11), 1–14. <https://doi.org/10.1029/2023WR035848>

[Link](#)

103 Physik, Astronomie
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Talic, A., Cerimovic, S., Beigelbeck, R., Kohl, F., Sauter, T., & Keplinger, F. (2023). The Impact of Surface Discontinuities on MEMS Thermal Wind Sensor Accuracy. *Sensors*, 23(10), Article 4575. <https://doi.org/10.3390/s23104575>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Felt, U., Öchsner, S., Rae, R., & Osipova, E. (2023). Doing co-creation: power and critique in the development of a European health data infrastructure. *Journal of Responsible Innovation*, 10(1), Article 2235931. <https://doi.org/10.1080/23299460.2023.2235931>

[Link](#)

504 Soziologie

de Pagter, J. (2023). Ethics and robot democratization: reflecting on integrative ethics practices. *International Journal of Social Robotics*, 15(12), 2005–2018. <https://doi.org/10.1007/s12369-023-01005-0>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

509 Andere Sozialwissenschaften

Talmazan, R. A., & Podewitz, M. (2023). PyConSolv: A Python Package for Conformer Generation of (Metal-Containing) Systems in Explicit Solvent. *Journal of Chemical Information and Modeling*, 63(17), 5400–5407. <https://doi.org/10.1021/acs.jcim.3c00798>

[Link](#)

104 Chemie

erstveröffentlichte Beiträge in sonstigen wissenschaftlichen Fachzeitschriften

Rashani, M., & Mahdavi, A. (2023). Energy retrofit alternatives for three apartment buildings in Kosovo. *Pollack Periodica*. <https://doi.org/10.1556/606.2022.00745>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Ramsauer, C., Leitner, D., Habersohn, C., Schmitz, T. L., Yamazaki, K., & Bleicher, F. (2023). Flexure-based dynamometer for vector-valued milling force measurement. *Journal of Machine Engineering*, 23. <https://doi.org/10.36897/jme/161234>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Nickola, M., Krasna, H., de Witt, A., Combrinck, L., & Böhm, J. (2023). Hartebeesthoek Radio Astronomy Observatory (HartRAO) antenna axis offset determined by geodetic VLBI analysis and ground survey. *South African Journal of Geomatics*, 12(1), 98–111. <https://doi.org/10.4314/sajg.v12i1.7>

[Link](#)

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Lechner, C., Koch, M., Lauterborn, W., & Mettin, R. (2023). Fast jets from bubbles close to solid objects: examples from pillars in water to infinite planes in different liquids. *Technische Mechanik*, 43(1), 21–37. <https://doi.org/10.24352/UB.OVGU-2023-042>

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

Redshaw, J., Ting, D. S. J., Brown, A., Hirst, J. D., & Gärtner, T. (2023). Krein support vector machine

classification of antimicrobial peptides. Digital Discovery. <https://doi.org/10.1039/D3DD00004D>

[Link](#)

102 Informatik

Seres, J., Seres, E., Céspedes, E., Martínez de Olcoz, L., Zabala, M., & Schumm, T. (2023). Nonperturbative Generation of Harmonics by Nanometer-Scale Localized Electronic States on the Surface of Bulk Materials and Nano-Films. *Optics*, 4(1), 246–257. <https://doi.org/10.3390/opt4010017>

[Link](#)

103 Physik, Astronomie

Li, X., Kono, J., Si, Q., & Paschen, S. (2023). Is the optical conductivity of heavy fermion strange metals Planckian? *Frontiers in Electronic Materials*, 2, Article 934691. <https://doi.org/10.3389/femat.2022.934691>

[Link](#)

103 Physik, Astronomie

Linhardt, P., Biezma, M. V., Strobl, S., & Haubner, R. (2023). Influence of Cavitation in Seawater on the Etching Attack of Manganese-Aluminum-Bronzes. *Solid State Phenomena*, 341, 25–30. <https://doi.org/10.4028/p-7nbo00>

[Link](#)

104 Chemie

Altmann, M., Ramskogler, K., Mikolka-Flöry, S., Pfeiffer, M., Haas, F., Heckmann, T., Rom, J., Fleischer, F., Himmelstoß, T., Pfeifer, N., Ressler, C., Tasser, E., & Becht, M. (2023). Quantitative Long-Term Monitoring (1890–2020) of Morphodynamic and Land-Cover Changes of a LIA Lateral Moraine Section. *Geosciences*, 13(4), Article 95. <https://doi.org/10.3390/geosciences13040095>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sorgner, M., Diaz Flores, R., Wang, H., Hellmich, C., & Pichler, B. L. A. (2023). Hindered Thermal Warping Triggers Tensile Cracking in the Cores of Compressed Columns of a Fire-Loaded Tunnel Segment Structure: Efficiency and Accuracy of Beam Theory Prediction, Compared to FEM. *Applications in Engineering Science*, 14, Article 100128. <https://doi.org/10.1016/j.apples.2023.100128>

[Link](#)

201 Bauwesen

Lanfermann, G., & Baumüller, J. (2023). Anwendungsfragen zur Nachhaltigkeitsberichterstattung im Konzern nach der CSRD. *Der Konzern: Zeitschrift fuer Gesellschaftrecht, Steuerrecht, Bilanzrecht und Rechnungslegung der verbundenen Unternehmen*, 21(4), 159–164.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Baumüller, J., & Scheid, O. (2023). Stakeholder-Einbeziehung – Eine (neue) Herausforderung im Rahmen der (zukünftigen) Nachhaltigkeitsberichterstattung. *StuB - Unternehmensteuern und Bilanzen*, 25(8), 325–330.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Jäggi, N., Mutzke, A., Biber, H., Brötzner, J., Szabo, P. S., Aumayr, F., Wurz, P., & Galli, A. (2023). New Compound and Hybrid Binding Energy Sputter Model for Modeling Purposes in Agreement with Experimental Data. *The Planetary Science Journal*, 4(5), Article 86. <https://doi.org/10.3847/PSJ/acd056>

[Link](#)

103 Physik, Astronomie

Pramhaas, V., Unterhalt, H., Freund, H.-J., & Rupprechter, G. (2023). Polarisationsabhängige Summenfrequenzspektroskopie (SFG) zur in situ Bestimmung der Nanopartikel-Morphologie. *Angewandte Chemie*, 135(19), Article e202300230. <https://doi.org/10.1002/ange.202300230>

[Link](#)

104 Chemie

Lanfermann, G., & Baumüller, J. (2023). Anwendungsfragen zur Nachhaltigkeitsberichterstattung im Konzern nach der CSRD (Teil 3) - Mischkonzerne. *Der Konzern: Zeitschrift fuer Gesellschaftrecht, Steuerrecht, Bilanzrecht und Rechnungslegung der verbundenen Unternehmen*, 21(6), 252–257.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Hube, S., Pohlmann, R., & Elgeti, S. (2023). Seamless integration of analysis and design – Automatic CAD reconstruction of post-analysis geometries. *Advances in Computational Science and Engineering*, 1(2), 162–179. <https://doi.org/10.3934/acse.2023007>

[Link](#)

101 Mathematik

102 Informatik

203 Maschinenbau

Koch, M., Lauterborn, W., Lechner, C., & Mettin, R. (2023). Ring Vortex Dynamics Following Jet Formation of a Bubble Expanding and Collapsing Close to a Flat Solid Boundary Visualized via Dye Advection in the Framework of OpenFOAM. *Fluids*, 8(7), Article 200. <https://doi.org/10.3390/fluids8070200>

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

Baumüller, J., & Sopp, K. (2023). European Sustainability Reporting Standards?: Die EU-Konsultationsfassung vom Juni 2023: Überblick und kritische Würdigung. *PiR - Internationale Rechnungslegung*, 19(7–8), 258–263.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Tomilin, S., Karavaynikov, A., Lyashko, S., Tomilina, O., Berzhansky, V., Gusev, A., Linert, W., & Yanovsky, A. (2023). Asymmetric Magneto-Optical Rotation in Magnetoplasmonic Nanocomposites. *Journal of Composites Science*, 7(7), Article 287. <https://doi.org/10.3390/jcs7070287>

[Link](#)

103 Physik, Astronomie

104 Chemie

Gopalakrishna, H. N., Baruah, R., Hünecke, C., Korolev, V., Thümmeler, M., Croy, A., Richter, M., Yahyaei, F., Hollinger, R., Shumakova, V., Uschmann, I., Marschner, H., Zürich, M., Reichardt, C., Undisz, A., Dellith, J., Pugzlys, A., Baltuska, A., Spielmann, C., ... Kartashov, D. (2023). Tracing spatial confinement in semiconductor quantum dots by high-order harmonic generation. *Physical Review Research (PRResearch)*, 5(1), Article 013128. <https://doi.org/10.1103/PhysRevResearch.5.013128>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Flöry, T., Stummer, V., Pupeikis, J., Willenberg, B., Nussbaum-Lapping, A., Kaksis, E., Camargo, F. V. A.,

Barkauskas, M., Phillips, C. R., Keller, U., Cerullo, G., Pugzlys, A., & Baltuška, A. (2023). Rapid-Scan Nonlinear Time-Resolved Spectroscopy over Arbitrary Delay Intervals. *Ultrafast Science*, 3, Article 0027. <https://doi.org/10.34133/ultrafastscience.0027>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Liu, M., Saracevic, E., Kittlaus, S., Oudega, T., Obeid, A., Nagy-Kovács, Z., László, B., Krlovic, N., Saracevic, Z., Lindner, G., Rab, G., Derx, J., Zoboli, O., & Zessner, M. (2023). PFAS-Belastungen im Einzugsgebiet der oberen Donau. *Österreichische Wasser- und Abfallwirtschaft*, 75(9–10), 503–514. <https://doi.org/10.1007/s00506-023-00973-x>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Obeid, A., Oudega, T. J., Zoboli, O., Gundacker, C., Blaschke, A. P., Zessner, M., Saracevic, E., Devau, N., Stevenson, M., Krlovic, N., Liu, M., Nagy-Kovács, Z., László, B., Sommer, R., Lindner, G., & Derx, J. (2023). The occurrence and persistence of PFAS at riverbank filtration sites in the upper Danube basin. *Österreichische Wasser- Und Abfallwirtschaft*, 75(9–10), 515–527. <https://doi.org/10.1007/s00506-023-00974-w>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Zoboli, O., Kovacs, A., Kittlaus, S., Clement, A., Kardos, M., Jolankai, Z., Kaps, R., Gabriel, O., Broer, M. B., van Gils, J., Loos, S., Weber, N., Milacic, R., Dimova, G., Tonev, R., Nedelea, I., Marchidan, E., & Zessner-Spitzenberg, M. (2023). Spurenstoffmanagement im Donaueinzugsgebiet. *Österreichische Wasser- und Abfallwirtschaft*, 75(9–10), 558–571. <https://doi.org/10.1007/s00506-023-00985-7>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ravi, B., Varghese, B., Murturi, I., Donta, P. K., Dustdar, S., Dehury, C. K., & Srirama, S. N. (2023). Stochastic Modeling for Intelligent Software-Defined Vehicular Networks: A Survey. *Computers*, 12(8), Article 162. <https://doi.org/10.3390/computers12080162>

[Link](#)

102 Informatik

Feichtinger, K., Meixner, K., Rinker, F. P., Koren, I., Eichelberger, H., Heinemann, T., Holtmann, J., Konersmann, M., Michael, J., Neumann, E.-M., Pfeiffer, J., Rabiser, R., Riebisch, M., & Schmid, K. (2023). Software in Cyberphysischen Produktionssystemen - Herausforderungen zur Umsetzung in der Industrie. *ATP Magazin*, 65(4), 62–68. <https://doi.org/10.17560/atp.v65i4.2646>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Kames, D., Mamasioulas, A., Sebastian, S., & Chryssolouris, G. (2023). Hardware start-ups and manufacturing innovation. *Production and Manufacturing Research*, 11(1), Article 2246537. <https://doi.org/10.1080/21693277.2023.2246537>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Martín-Hernández, R., Hu, H., Baltuska, A., Plaja, L., & Hernández-García, C. (2023). Fourier-Limited Attosecond Pulse from High Harmonic Generation Assisted by Ultrafast Magnetic Fields. *Ultrafast Science*, 3, Article 0036. <https://doi.org/10.34133/ultrafastscience.0036>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Medina-Bailon, C., Nedialkov, M. H., Georgiev, V., Selberherr, S., & Asenov, A. (2023). Comprehensive mobility study of silicon nanowire transistors using multi-subband models. *Nano Express*, 4(2), Article 025005. <https://doi.org/10.1088/2632-959X/acdb8a>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Leitão, P., Karnouskos, S., Strasser, T. I., Jia, X., Lee, J., & Colombo, A. W. (2023). Alignment of the IEEE Industrial Agents Recommended Practice Standard With the Reference Architectures RAMI4.0, IIRA, and SGAM. *IEEE Open Journal of the Industrial Electronics Society*, 4, 98–111. <https://doi.org/10.1109/OJIES.2023.3262549>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Zhang, T., Liu, R., Wang, P., Gao, C., Lliu, J., & Wang, W. (2023). Physics-informed Machine Learning and Its Research Prospects in GeoAI. *Journal of Geo-Information Science*, 25(7), 1297–1311. <https://doi.org/10.12082/dqxkx.2023.220795>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kusa, W., Lipani, A., Knoth, P., & Hanbury, A. (2023). An analysis of work saved over sampling in the evaluation of automated citation screening in systematic literature reviews. *Intelligent Systems with Applications*, 18, Article 200193. <https://doi.org/10.1016/j.iswa.2023.200193>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Catalano, C., Hauck, T., Ahn, S., & Pasta, S. C. (2023). Landscapes without landscape architects?: the ecological beauty of informal urban landscapes. *Agathón?: International Journal of Architecture, Art and Design*, 13, 57–66. <https://doi.org/10.19229/2464-9309/1342023>

[Link](#)

201 Bauwesen

208 Umweltbiotechnologie

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J., & Scheid, O. (2023). Die European Sustainability Reporting Standards (ESRS) als Zeitenwende für die Unternehmensberichterstattung?: Implikationen für den Mittelstand. *StuB - Unternehmensteuern und Bilanzen*, 25(18), 742–747.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Lanfermann, G., & Baumüller, J. (2023). Anwendungsfragen zur Nachhaltigkeitsberichterstattung im Konzern nach der CSRD (Teil 4) - Das Konzernprivileg. *Der Konzern: Zeitschrift fuer Gesellschaftrecht, Steuerrecht, Bilanzrecht und Rechnungslegung der verbundenen Unternehmen*, 21(9), 352–357.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Fairbairn, D., Gartner, G., & Peterson, M. (2023). Engagement, communication and context: the success of the human-map nexus. *International Journal of Cartography*. <https://doi.org/10.1080/23729333.2023.2251751>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Luger, D., Aral, A., & Brandic, I. (2023). Cost-Aware Neural Network Splitting and Dynamic Rescheduling for Edge Intelligence. *ACM Journal on Experimental Algorithmics*, 42–47. <https://doi.org/10.1145/3578354.3592871>

[Link](#)

102 Informatik
502 Wirtschaftswissenschaften

Fricke, C., Wolff, D., Kemmerling, M., & Elgeti, S. (2023). Investigation of reinforcement learning for shape optimization of 2D profile extrusion die geometries. *Advances in Computational Science and Engineering*, 1(1), 1–35. <https://doi.org/10.3934/acse.2023001>

[Link](#)

102 Informatik
203 Maschinenbau

Lanfermann, G., & Baumüller, J. (2023). Anwendungsfragen zur Nachhaltigkeitsberichterstattung im Konzern nach der CSRD (Teil 5) - Die Endfassung von “Set 1” der ESRS und Ausblick. *Der Konzern: Zeitschrift fuer Gesellschaftrecht, Steuerrecht, Bilanzrecht und Rechnungslegung der verbundenen Unternehmen*, 21(10), 394–399.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Gopalakrishnan, J., Neunteufel, M., Schöberl, J., & Wardetzky, M. (2023). Analysis of curvature approximations via covariant curl and incompatibility for Regge metrics. *SMAI Journal of Computational Mathematics (SMAI-JCM)*, 9, 151–195. <https://doi.org/10.5802/smai-jcm.98>

[Link](#)

101 Mathematik

Giannetti, G., Spindelberger, C., & Arthaber, H. (2023). Simple Semi-Analytical Septum Design for Improved Matching in Open TEM Cells. *IEEE Letters on Electromagnetic Compatibility Practice and Applications*. <https://doi.org/10.34726/5499>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Münter, L., Drachmann, D., Ghanem, M., Prinzellner, Y., Smits, C., Werner, K., Bulsink, V., Schwaninger, I., van Velsen, L., & Faber, N. H. (2023). Transforming health systems with design health literacy: Presenting the 40-20-40 model for digital development. *Computer Methods and Programs in Biomedicine Update*, 4, Article 100122. <https://doi.org/10.1016/j.cmpbup.2023.100122>

[Link](#)

102 Informatik

Wolff, D., Fricke, C. D., Kemmerling, M., & Elgeti, S. (2023). Towards shape optimization of flow channels in profile extrusion dies using reinforcement learning. *Proceedings in Applied Mathematics and Mechanics*, 22(1), Article e202200009. <https://doi.org/10.1002/pamm.202200009>

[Link](#)

102 Informatik
203 Maschinenbau

Mah, O., & Sielker, F. (2023). Heritage Websites as a Useful Addition to the Planning Toolkit in Singapore. *International Journal of E-Planning Research (IJEPR)*, 12(1), 1–16. <https://doi.org/10.4018/IJEPR.333622>

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung

Miksa, T., Suchánek, M., Slifka, J., Knaisl, V., Ekaputra, F. J., Kovacevic, F., Ningtyas, A. M., El-Ebshihy, A. M., & Pergl, R. (2023). Towards a Toolbox for Automated Assessment of Machine-Actionable Data Management Plans. *Data Science Journal*, 22, Article 28. <https://doi.org/10.5334/dsj-2023-028>

[Link](#)

102 Informatik
502 Wirtschaftswissenschaften

Bhore, S., Ganian, R., Li, G., Nöllenburg, M., & Wulms, J. (2023). Worbel: aggregating point labels into word clouds. *ACM Transactions on Spatial Algorithms and Systems*, 9(3), Article 19. <https://doi.org/10.1145/3603376>

[Link](#)

101 Mathematik
102 Informatik

Mühlberger, M. M., Kopp, S., Deyett, A. A., Pribyl, M., Haslinger, M. J., Siegel, A. M., Taus, P., Guillén, E., Torres-Caballero, A., Baltov, B., Netzer, M. A., Prado Lopez, S., Yde, L., Stensborg, J., Mendjan, S., Hering, S., & Wanzenböck, H. (2023). Nanoimprinted hierarchical micro-/nanostructured substrates for the growth of cardiomyocyte fibers. *Nanomanufacturing*, 3(4), 416–433. <https://doi.org/10.3390/nanomanufacturing3040026>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Barbero-Álvarez, M. A., Brenner, S., Sablatnig, R., & Menéndez, J. M. (2023). Preserving colour fidelity in photogrammetry—an empirically grounded study and workflow for cultural heritage preservation. *Heritage*, 6(8), 5700–5718. <https://doi.org/10.3390/heritage6080300>

[Link](#)

101 Mathematik
102 Informatik

Laslier, B., & Toninelli, F. L. (2023). The mixing time of the lozenge tiling Glauber dynamics. *Annales Henri Lebesgue*, 6, 907–940. <https://doi.org/10.5802/ahl.181>

[Link](#)

101 Mathematik

Giuliani, A., Renzi, B., & Toninelli, F. L. (2023). Weakly nonplanar dimers. *Probability and Mathematical Physics (PMP)*, 4(4), 891–934. <https://doi.org/10.2140/pmp.2023.4.891>

[Link](#)

101 Mathematik

Ettl, M., Kreuzinger, N., & Helmer-Madhok, C. (2023). Das mikroskopische Bild bei der biologischen Abwasserreinigung. *KA - Korrespondenz Abwasser*, 70(12/23), 959–965.

[Link](#)

201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kurnaz, F. S., & Filzmoser, P. (2023). enetLTS: robust and sparse methods for high dimensional linear, binary, and multinomial regression. *Journal of Open Source Software*, 8(82), Article 4773. <https://doi.org/10.21105/joss.04773>

[Link](#)

101 Mathematik

Weil, M., Missen, O. P., & Mills, S. J. (2023). Dimorphism of $[\text{Bi}_2\text{O}_2(\text{OH})](\text{NO}_3)$ – the ordered Pna21 structure at 100 K. *Acta Crystallographica Section E: Crystallographic Communications*, 79(12), 1223–1227. <https://doi.org/10.1107/S205698902301023X>

[Link](#)

104 Chemie

Seely, H., Coops, N. C., White, J. C., Montwé, D., Winiwarter, L. G., & Ragab, A. (2023). Modelling tree biomass using direct and additive methods with point cloud deep learning in a temperate mixed forest. *Science of Remote Sensing*, 8, Article 100110. <https://doi.org/10.1016/j.srs.2023.100110>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sietas, J., Pasderski, J., Weninger-Vycudil, A., Kessel, T., Vorwagner, A., Chylik, B., & Schranz, C. (2023). D-A-CH research project “Technical asset value assessment within asset management” (TAniA) - Using asset valuation as a key performance indicator in asset management. *Transportation Research Procedia*, 72, 2125–2132. <https://doi.org/10.1016/j.trpro.2023.11.697>

[Link](#)

201 Bauwesen

Kuschert, S., Stroet, M., Chin, Y. K.-Y., Conibear, A. C., Jia, X., Lee, T., Bartling, C. R. O., Strømgaard, K., Güntert, P., Rosengren, K. J., Mark, A., & Mobli, M. (2023). Facilitating the structural characterisation of non-canonical amino acids in biomolecular NMR. *Magnetic Resonance (MR)*, 4(1), 57–72. <https://doi.org/10.5194/mr-4-57-2023>

[Link](#)

104 Chemie

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Tillmann, S., Hilger, D., Hosters, N., & Elgeti, S. (2023). Shape-optimization of extrusion-dies via parameterized physics-informed neural networks. *Proceedings in Applied Mathematics and Mechanics*, 23(4), Article e202300203. <https://doi.org/10.1002/pamm.202300203>

[Link](#)

101 Mathematik

102 Informatik

203 Maschinenbau

Deshpande, A., Agiwal, H., Baumann, C., Krall, S., Bleicher, F., & Pfefferkorn, F. (2023). Recycling metal cutting chips into a consolidated deposition with friction surfacing. *Manufacturing Letters*, 35, 743–749. <https://doi.org/10.1016/j.mfglet.2023.08.093>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Vandelli, M., Kaufmann, J., Harkov, V., Lichtenstein, A. I., Held, K., & Stepanov, E. A. (2023). Extended regime of metastable metallic and insulating phases in a two-orbital electronic system. *Physical Review Research (PRResearch)*, 5(2), Article L022016. <https://doi.org/10.1103/PhysRevResearch.5.L022016>

[Link](#)

103 Physik, Astronomie

Hackl, B., Panholzer, A., & Wagner, S. (2023). The Uncover Process for Random Labeled Trees. *La Matematica*, 2(4), 861–892. <https://doi.org/10.1007/s44007-023-00060-3>

[Link](#)

101 Mathematik

Zhang, Y., Zheng, H., Zhang, X., Leung, L. R., Liu, C., Zheng, C., Guo, Y., Chiew, F. H. S., Post, D., Kong, D., Beck, H. E., Li, C., & Blöschl, G. (2023). Future global streamflow declines are probably more severe than previously estimated. *Nature Water*, 1(3), 261–271. <https://doi.org/10.1038/s44221-023-00030-7>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Blöschl, G., & Montanari, A. (2023). La spada di damocle della piena impossibile. *L' acqua*, 3, 5–14.

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sun, M., Jiang, Z., Fu, Y., Jiang, Y., Hu, H., Bai, C., Yue, Z., Jiang, J., Xie, H., Jin, C., Li, R., Corkum, P., Villeneuve, D. M., & Peng, P. (2023). Observation of refractive index line shape in ultrafast XUV transient absorption spectroscopy. *Ultrafast Science*, 3, 1–10. <https://doi.org/10.34133/ultrafastscience.0029>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Dvorák, W., Keshavarzi Zafarhandi, A., & Woltran, S. (2023). Expressiveness of SETAFs and support-free ADFs under 3-valued semantics. *Journal of Applied Non-Classical Logics*, 33(3–4), 298–327. <https://doi.org/10.1080/11663081.2023.2244361>

[Link](#)

101 Mathematik

102 Informatik

Gonçalves, A., Leal, F., Moreira, A., Schellhorn, T., Blahnová, V. H., Zeiringer, S., Vocetková, K., Tetyczka, C., Simate, A., Buzgo, M., Roblegg, E., Costa, P. F., Ertl, P., Filová, E., & Kohl, Y. (2023). Potential of Electrospun Fibrous Scaffolds for Intestinal, Skin, and Lung Epithelial Tissue Modeling. *Advanced NanoBiomed Research*, 3(4), Article 2200104. <https://doi.org/10.1002/anbr.202200104>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Seres, J., Seres, E. J., Serrat, C., Dinh, T.-H., Hasegawa, N., Ishino, M., Nishikino, M., & Namba, S. (2023). Spectral Shift and Split of Harmonic Lines in Propagation Affected High Harmonic Generation in a Long-Interaction Gas Tube. *Atoms*, 11(12), Article 150. <https://doi.org/10.3390/atoms11120150>

[Link](#)

103 Physik, Astronomie

Byszewski, J., Konieczny, J., & Müllner, C. (2023). Gowers norms for automatic sequences. *Discrete Analysis*, 4. <https://doi.org/10.48550/arXiv.2002.09509>

[Link](#)

101 Mathematik

102 Informatik

Polleres, A., Pernisch, R., Bonifati, A., Dell'Aglio, D., Dobriy, D., Dumbrava, S., Etcheverry, L., Ferranti, N., Hose, K., Jimenez-Ruiz, E., Lissandrini, M., Scherp, A., Tommasini, R., & Wachs, J. (2023). How does knowledge evolve in open knowledge graphs? *Transactions on Graph Data and Knowledge*, 1(1), 11:1-11:59. <https://doi.org/10.4230/TGDK.1.1.11>

[Link](#)

101 Mathematik

102 Informatik

Güntner, S. A., Holm, A., Madden, D., Mayer, M., & Silver, H. (2023). Soziale Bewegungen, die Wohnungsfrage und kritische Theorie – ein Gespräch in Erinnerung an Peter Marcuse. *Forschungsjournal Soziale Bewegungen*, 36(1), 112–128. <https://doi.org/10.1515/fjsb-2023-0009>

[Link](#)

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Namagembe, F., Nakakawa, A., Tulinayo, F. P., Proper, H. A., & Overbeek, S. (2023). Towards an E-Government Enterprise Architecture Framework for Developing Economies. *Complex Systems Informatics and Modeling Quarterly*, 2023(35), 30–66. <https://doi.org/10.7250/csimq.2023-35.02>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Lettner, N., Weber, E., Lanzl, J., Katharina Gilli, & Güttel, W. (2023). The double-edged sword pattern of leadership behaviors in digital transformation: Identifying positive and negative outcomes for leaders and employees using a group Delphi study. *Die Unternehmung*, 77(3), 248–270. <https://doi.org/10.5771/0042-059X-2023-3>

[Link](#)

501 Psychologie

502 Wirtschaftswissenschaften

504 Soziologie

Gilli, K., Lettner, N., & Güttel, W. (2024). The future of leadership: new digital skills or old analog virtues? *Journal of Business Strategy*, 45(1), 10–16. <https://doi.org/10.1108/JBS-06-2022-0093>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

504 Soziologie

Hartner-Tiefenthaler, M., Zedlacher, E., & Clarke, S. (2023). Flexible working arrangements as privilege or entitlement? Type of access to flexible working arrangements shapes reciprocal beliefs and social exchange relationships in hybrid work teams. *Zeitschrift Für Arbeitswissenschaft*, 77(4), 666–677. <https://doi.org/10.1007/s41449-023-00388-0>

[Link](#)

502 Wirtschaftswissenschaften

509 Andere Sozialwissenschaften

Czwielong, F., Floss, S., Maurerlehner, P., Toth, F., Kaltenbacher, M., Becker, S., & Schoder, S. (2023). Mikroperforierte Schallabsorber für die Anwendung in strömungsakustischen Problemstellungen. *Akustik Journal*, 1/23, 22–32.

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

Chaplick, S., Cornelsen, S., Nöllenburg, M., Tollis, I. G., Chimani, M., Da Lozzo, G., Patrignani, M., &

Wolf, A. (2023). Planar L-drawings of directed graphs. *Computing in Geometry and Topology*, 2(1), 7:1-7:15. <https://doi.org/10.34726/5407>

[Link](#)

101 Mathematik

102 Informatik

Frieder, S., Berner, J., Petersen, P., & Lukasiewicz, T. (2023). Large Language Models for Mathematicians. *Internationale Mathematische Nachrichten*, 254, 1–20.

[Link](#)

101 Mathematik

102 Informatik

Sharifian, S., Asasian Kolor, N., Najafi, H., Haddadi Sisakht, B., Jordan, C., & Harasek, M. (2023). Reusable granulated silica pillared clay for wastewater treatment, selective for adsorption of Ni(II). *Cleaner Engineering and Technology*, 14, Article 100634. <https://doi.org/10.1016/j.clet.2023.100634>

[Link](#)

204 Chemische Verfahrenstechnik

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Weyns, D., Calinescu, R., Mirandola, R., Tei, K., Acosta, M., Bennaceur, A., Boltz, N., Bures, T., Camara, J., Diaconescu, A., Engels, G., Gerasimou, S., Gerostathopoulos, I., Getir Yaman, S., Grassi, V., Hahner, S., Letier, E., Litoiu, M., Marsso, L., ... Zisman, A. (2023). Towards a Research Agenda for Understanding and Managing Uncertainty in Self-Adaptive Systems. *ACM SIGSOFT Software Engineering Notes*, 48(4), 20–36. <https://doi.org/10.1145/3617946.3617951>

[Link](#)

102 Informatik

Beyersdorff, O., Blinkhorn, J., Mahajan, M., Peitl, T., & Sood, G. (2023). Hard QBFs for merge resolution. *ACM Transactions on Computation Theory*. <https://doi.org/10.1145/3638263>

[Link](#)

101 Mathematik

102 Informatik

Tian, Z., Lindner, P., Nissl, M., Koch, C., & Tannen, V. (2023). Generalizing Bulk-Synchronous Parallel Processing for Data Science: From Data to Threads and Agent-Based Simulations. *Proceedings of the ACM on Management of Data (PACMMOD)*, 1(2), 1–28. <https://doi.org/10.34726/5391>

[Link](#)

101 Mathematik

102 Informatik

Kuhlmann, D. (2023). Von den Wikingern lernen – Rückblicke und Einblicke skandinavischer Architektur. *Architektur.aktuell*, 12/2022, 40–42.

[Link](#)

201 Bauwesen

601 Geschichte, Archäologie

604 Kunstwissenschaften

Jandl, C., Zafari, S., Taurer, F., Hartner-Tiefenthaler, M., & Schlund, S. (2023). Location-based monitoring in production environments: does transparency help to increase the acceptance of monitoring? *Production and Manufacturing Research*, 11(1), Article 2160387. <https://doi.org/10.1080/21693277.2022.2160387>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Raab, J., & Winkler, L. (2023). Personenbezogene Vergabekriterien und ihre Auswirkungen auf den Bauarbeits- und Bietermarkt. *Zeitschrift für Vergaberecht und Bauvertragsrecht*, 2022(103), 461–469. <http://hdl.handle.net/20.500.12708/142484>

[Link](#)

201 Bauwesen

502 Wirtschaftswissenschaften

Sicher, P., & Stöger, B. (2023). The crystal structure of the selenide-based synthetic sulfosalt CuPbSb₃Se₆. *Acta Crystallographica Section E: Crystallographic Communications*, 79(2), 112–115. <https://doi.org/10.1107/S2056989023000361>

[Link](#)

104 Chemie

105 Geowissenschaften

Tauber, J., Krampe, J., & Parravicini, V. (2023). Klimarelevanz des Abwassersektors. *Österreichische Wasser- und Abfallwirtschaft*, 75, 127–138. <https://doi.org/10.1007/s00506-022-00924-y>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Reif, D., Weisz, L., Kobsik, K., Schaar, H., Saracevic, E., Krampe, J., & Kreuzinger, N. (2023). Simultane Entfernung von organischen Spurenstoffen und Phosphor aus kommunalem Abwasser unter Einsatz einer Adsorptions-/Fällmittelsuspension. *Österreichische Wasser- und Abfallwirtschaft*. <https://doi.org/10.1007/s00506-022-00920-2>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Oberleitner, T., Zahel, T., Kunzelmann, M., Thoma, J., & Herwig, C. (2023). Incorporating random effects in biopharmaceutical control strategies. *AAPS Open*, 9, Article 4. <https://doi.org/10.1186/s41120-022-00070-5>

[Link](#)

209 Industrielle Biotechnologie

304 Medizinische Biotechnologie

Weber, N., Long, A., Krampe, J., Rechberger, H., Zoboli, O., & Zessner, M. (2023). Klärschlammmanagement und -qualität in Österreich. *Österreichische Wasser- und Abfallwirtschaft*, 75. <https://doi.org/10.1007/s00506-022-00922-0>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Leroch, S., Grützmacher, P., Heckes, H., & Eder, S. (2023). Towards a multi-abrasive grinding model for the material point method. *Frontiers in Manufacturing Technology*, 3, Article 1114414. <https://doi.org/10.3389/fmtec.2023.1114414>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Lanfermann, G., & Baumüller, J. (2023). Der Anwendungsbereich der Corporate Sustainability Reporting Directive (CSRD): Detailregelungen und Zweifelsfragen. *IRZ - Zeitschrift für Internationale Rechnungslegung*, 2, 89–95.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Risak, M., Griesser, M., & Plank, L. (2023). Arbeiten in der österreichischen Plattformwirtschaft – Ergebnisse der ersten österreichischen Fairwork-Studie und arbeitsrechtliche Einschätzungen. *Das Recht der Arbeit*.

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
505 Rechtswissenschaften

Baumüller, J., & Nguyen, B. (2023). “Klimabezogene Angaben” gemäß ED-IFRS S2: (künftiger) Anspruch und (heutige) Realität. *Wpg - Die Wirtschaftsprüfung*, 76(4), 177–189.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J. (2023). Update zur “UK Audit Reform.” *Der Wirtschaftstreuhänder?: WT Fachjournal für Wirtschaftsprüfer und Steuerberater*, 75(1), 71–74.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J., Haring, N., & Merl, S. (2023). Konnektivität in den neuen Vorgaben zur Nachhaltigkeitsberichterstattung: der zukünftige Weg zu einer integrierten Berichterstattung. *Betriebs-Berater: Recht, Wirtschaft, Steuern*, 78(10), 554–558. <https://doi.org/10.34726/3827>

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J. (2023). Am Weg zur neuen europäischen Nachhaltigkeitsberichterstattung. *BÖB-Journal?: Fachinformationen für das Rechnungswesen*, 24(1), 58–62.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Haderer, M. (2023). Experimental climate governance as organized irresponsibility? A case for revamping governing (also) through government. *Sustainability: Science, Practice and Policy*, 19(1), Article 2186078. <https://doi.org/10.1080/15487733.2023.2186078>

[Link](#)

504 Soziologie
605 Andere Geisteswissenschaften

Ajanovic, A., & Haas, R. (2023). Heading towards low-carbon passenger car mobility: electricity vs hydrogen. *Renewable and Sustainable Energy*, 1(1), Article 0002. <https://doi.org/10.55092/rse20230002>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Essmeister, J., Schachtner, L., Szoldatits, E. M., Schwarz, S., Lichtenegger, A., Baumann, B., Föttinger, K., & Konegger, T. (2023). Polymer-derived Ni/SiOC materials structured by vat-based photopolymerization with catalytic activity in CO₂ methanation. *Open Ceramics*, 14, Article 100350. <https://doi.org/10.1016/j.oceram.2023.100350>

[Link](#)

104 Chemie
205 Werkstofftechnik

210 Nanotechnologie

Schwarzböck, T., Hahn, M., Spacek, S., & Fellner, J. (2023). IN SEARCH OF THE MATERIAL COMPOSITION OF REFUSE-DERIVED FUELS BY MEANS OF DATA RECONCILIATION AND GRAPHICAL REPRESENTATION. *Detritus*, 22, 49–59. <https://doi.org/10.31025/2611-4135/2023.17262>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Haubner, R., & Strobl, S. (2023). Slag from Modern Copper Production Found in Bergwerk, Burgenland, Austria. *Solid State Phenomena*, 341, 11–16. <https://doi.org/10.4028/p-4zdd71>

[Link](#)

104 Chemie

Baumüller, J., & Frewein, K. (2023). Weiterentwicklungsbedarf für das Interne Kontrollsystem durch die CSRD. *GRC aktuell*, 6(1), 10–14.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Haubner, R., & Strobl, S. (2023). Direct Production of Tin Bronzes from Copper and Cassiterite. *Materials Science Forum*, 1081, 137–142. <https://doi.org/10.4028/p-s4jt77>

[Link](#)

104 Chemie

Strobl, S., & Haubner, R. (2023). Characterisation of a San Mai Steel Composite for the Manufacture of Knives. *Materials Science Forum*, 1082, 183–188. <https://doi.org/10.4028/p-5jp4r1>

[Link](#)

104 Chemie

Fischer, R., Hödlmoser, M., & Gelautz, M. (2023). Evaluation of Camera Pose Estimation Using Human Head Pose Estimation. *SN Computer Science*, 4(3), Article 301. <https://doi.org/10.1007/s42979-023-01709-0>

[Link](#)

102 Informatik

Peck, O. (2023). Der rechtliche Rahmen für die Mobilitätswende. *Juridikum: Zeitschrift für Kritik - Recht - Gesellschaft*, 1, 102–111. <https://doi.org/10.33196/juridikum202301010201>

[Link](#)

201 Bauwesen

502 Wirtschaftswissenschaften

505 Rechtswissenschaften

Damjanovic, D. (2023). Renaissance des Planungsrechts. *Juridikum: Zeitschrift für Kritik - Recht - Gesellschaft*, 1, 66–78. <https://doi.org/10.33196/juridikum202301006601>

[Link](#)

502 Wirtschaftswissenschaften

505 Rechtswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Wagner, D. (2023). Ein zukunftsfähiges Recht der gebauten Umwelt? *Juridikum: Zeitschrift für Kritik - Recht - Gesellschaft*, 1, 112–123. <https://doi.org/10.33196/juridikum202301011201>

[Link](#)

502 Wirtschaftswissenschaften

505 Rechtswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Sedef, A. (2023). Der zivilrechtliche Vertrag als Planungsinstrument. *Juridikum: Zeitschrift für Kritik - Recht - Gesellschaft*, 1, 93–101. <https://doi.org/10.33196/juridikum202301009301>

[Link](#)

502 Wirtschaftswissenschaften

505 Rechtswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Steindl, A., Edelmann, J., & Plöchl, M. (2023). Influence of Tyre Characteristics on Periodic Motions for an Understeering Vehicle. *Proceedings in Applied Mathematics and Mechanics*, 22(1), Article e202200289. <https://doi.org/10.34726/4081>

[Link](#)

101 Mathematik

203 Maschinenbau

Schasching, M., Duy, R., Todt, M., & Pettermann, H. (2023). Simulations of the snap-through behavior of a fiber reinforced elastomer structure for the design of a simple clamping mechanism. *Proceedings in Applied Mathematics and Mechanics*, 22(1). <https://doi.org/10.1002/pamm.202200075>

[Link](#)

203 Maschinenbau

Casamayor Pujol, V., Morichetta, A., Murturi, I., Donta, P. K., & Dustdar, S. (2023). Fundamental Research Challenges for Distributed Computing Continuum Systems. *Information*, 14(3), Article 198. <https://doi.org/10.3390/info14030198>

[Link](#)

102 Informatik

Baumüller, J., & Schönauer, K. (2023). Die neue Wesentlichkeit in der europäischen Nachhaltigkeitsberichterstattung. *PiR - Internationale Rechnungslegung*, 19(3), 88–95.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Baumüller, J., & Schönauer, K. (2023). Die neue Wesentlichkeit in der europäischen Nachhaltigkeitsberichterstattung. *PiR - Internationale Rechnungslegung*, 19(4), 131–137.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Ledermann, F. (2023). Minimum dimensions for cartographic symbology – history, rationale and relevance in the digital age. *International Journal of Cartography*. <https://doi.org/10.1080/23729333.2023.2165218>

[Link](#)

102 Informatik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J. (2023). Neue Perspektiven für Wirtschaftsprüfer aufgrund der CSRD. *Der Wirtschaftstreuhandere?: WT Fachjournal für Wirtschaftsprüfer und Steuerberater*, 75(2), 136–140.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Donta, P. K., Sedlak, B., Casamayor Pujol, V., & Dustdar, S. (2023). Governance and sustainability of distributed continuum systems: a big data approach. *Journal Of Big Data*, 10, Article 53. <https://doi.org/>

10.1186/s40537-023-00737-0

[Link](#)

102 Informatik

Knoflacher, H. (2023). Verkehrswesen zwischen Gesetz und Recht. *Recht der Umwelt*, 2a / 2023, 49–55. <http://hdl.handle.net/20.500.12708/177154>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J. (2023). European Sustainability Reporting Standards (ESRS) Set 1 – Die Vorschläge der EFRAG vom November 2022. *KoR?: Zeitschrift für internationale und kapitalmarktorientierte Rechnungslegung*, 23(5), 200–211.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Bretschneider, J., Sattlegger, S., & Schneider, U. (2023). Wiener Dazwischen - Handlungsfelder und Herausforderungen des nordöstlichen Stadtrands. *Derive?: Zeitschrift für Stadtforschung*, 90, 12–16. <http://hdl.handle.net/20.500.12708/177153>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Krammer, A., & Hauer, F. (2023). Der instabile Rand - Laissez-Faire und Ordnungsversuche in Wien seit 1945. *Derive?: Zeitschrift für Stadtforschung*, 90, 4–11. <http://hdl.handle.net/20.500.12708/177155>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J., & Bornemann, T. (2023). Verschwiegenheitspflichten in der GRI-Nachhaltigkeitsberichterstattung. *PiR - Internationale Rechnungslegung*, 19(5), 171–176.

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Krall, S., Prießnitz, M., Baumann, C., Brandt, P., & Bleicher, F. (2023). Avoidance of Drill Cap Formation in CFRP-Titanium Stack Materials by Using Vibration Assisted Drilling with Defined Coupling of the Oscillation. *Journal of Machine Engineering*, 23, 5–27. <https://doi.org/10.36897/jme/166274>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Tauböck, S., Schöfecker, A., Ledermüller, K., Krakovsky, M., Sharma, S., Reismann, M., Marschnigg, C. G., Mühlbacher, G., Spörk, J., Schadler, M., & Wurzer, G. (2023). PASSt – Predictive Analytics Services für Studienerfolgsmanagement. *Zeitschrift für Hochschulentwicklung*, 18(Sonderheft Hochschullehre), 251–277. <https://doi.org/10.3217/zfhe-SH-HL/13>

[Link](#)

102 Informatik

Lanfermann, G., & Baumüller, J. (2023). Anwendungsfragen zur Nachhaltigkeitsberichterstattung im Konzern nach der CSRD (Teil 2). *Der Konzern: Zeitschrift fuer Gesellschaftrecht, Steuerrecht, Bilanzrecht und Rechnungslegung der verbundenen Unternehmen*, 5, 209–214.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J. (2023). Fundamente der Berichterstattung gemäß CSRD und ESRS. Steuer- und Wirtschaftskartei SWK, 98(16), 715–720.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Lemmerer H. (2023). Kinderfreundliche Mobilität. ????? = Un'yu to keizai = Transportation & economy, 2023(3), 59–60.

[Link](#)

201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J. (2023). Sustainability Due Diligence. PiR - Internationale Rechnungslegung, 19(6), 214–220.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Lederer, J., Feher, F., & Skutan, S. (2024). Sensorgestützte VIS-Sortierung zur Charakterisierung und Glasentfernung von Müllverbrennungs-Bettaschen. Österreichische Wasser- und Abfallwirtschaft, 76(1–2), 51–62. <https://doi.org/10.1007/s00506-023-01001-8>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ramsebner, J., Hiesl, A., Haas, R., Auer, H., Ajanovic, A., Mayrhofer, G., Reinhardt, A., Wimmer, A., Ferchhumer, E., Mitterndorfer, B., Mühlberger, M., & Mühlberger-Habiger, K. (2023). Smart charging infrastructure for battery electric vehicles in multi apartment buildings. Smart Energy, 9, Article 100093. <https://doi.org/10.1016/j.segy.2022.100093>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rieger-Jandl, A. (2023). Lehm neu gedacht - Massenbaustoff mit Zukunft. Architektur.aktuell, 4/2023. <http://hdl.handle.net/20.500.12708/177576>

[Link](#)

201 Bauwesen

Baumüller, J. (2023). Hinweise zur Umsetzung der “doppelten Wesentlichkeit”?: Erste Schritte in die neue Welt der Nachhaltigkeitsberichterstattung. BÖB-Journal?: Fachinformationen für das Rechnungswesen, 94(23), 42–46.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Stiftner, R., Weber, L., & Rechberger, H. (2023). Methodology for a better estimation of the reserves and resources of minor metals exemplified by selenium in different copper deposit types. Mineral Economics. <https://doi.org/10.1007/s13563-023-00384-0>

[Link](#)

201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Baumüller, J. (2023). IFRS Sustainability Disclosure Standards. Zeitschrift für Corporate Governance, 3, 132–137. <https://doi.org/10.34726/4682>

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Pistol, J., Hager, M., Kopf, F., & Adam, D. (2023). Consideration of the Variable Contact Geometry in Vibratory Roller Compaction. *Infrastructures*, 8(7), Article 110. <https://doi.org/10.3390/infrastructures8070110>

[Link](#)

201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schindelegger, A. (2023). Grüne Infrastruktur in der örtlichen Raumplanung. *Baurechtliche Blätter*, 26(3), 85–94. <https://doi.org/10.33196/bbl202303008501>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J., & Schwaiger, W. (2023). Messung und Steuerung von THG-Emissionen mit dem “3-Hebel-Modell.” *Der Wirtschaftstreuhandler?: WT Fachjournal für Wirtschaftsprüfer und Steuerberater*, 75(3), 229–233.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Hanna, N., Halilovic, D., & Weber, R. (2023). NeQuick G model performance for single-frequency users. *Österreichische Zeitschrift Für Vermessung Und Geoinformation (VGI)*, 2/2023, 61–66.

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Brenner, B., Hollerer, S., Bhosale, P., Sauter, T., Kastner, W., Fabini, J., & Zseby, T. (2023). Better Safe Than Sorry: Risk Management based on a Safety-augmented Network Intrusion Detection System. *IEEE Open Journal of the Industrial Electronics Society*. <https://doi.org/10.1109/OJIES.2023.3297057>

[Link](#)

102 Informatik
202 Elektrotechnik, Elektronik, Informationstechnik

Reimer, D., Podkosova, I., Scherzer, D., & Kaufmann, H. (2023). Evaluation and improvement of HMD-based and RGB-based hand tracking solutions in VR. *Frontiers in Virtual Reality*, 4. <https://doi.org/10.3389/frvir.2023.1169313>

[Link](#)

102 Informatik

Kern, L. M. (2023). Current status of VLBI Intensive sessions. *Österreichische Zeitschrift Für Vermessung Und Geoinformation (VGI)*, 111(2), 88–92. <http://hdl.handle.net/20.500.12708/187711>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hohensulz, C., & Bleicher, F. (2023). Application scenarios of a tactile surface roughness measurement system for In Situ measurement in machine tools. *Metrology*, 3(3), 280–291. <https://doi.org/10.3390/metrology3030016>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau

205 Werkstofftechnik

Mühl, A., Hartner-Tiefenthaler, M., & Feuchtl, S. (2023). The implication of overtime for well-being and desired working hours among office workers: the role of temporal flexibility. *Momentum Quarterly*, 12(1), 43–64. <https://doi.org/10.15203/momentumquarterly.vol12.no1.p43-64>

[Link](#)

501 Psychologie

502 Wirtschaftswissenschaften

504 Soziologie

Behrisch, M. (2023). On Weak Bases for Boolean Relational Clones and Reductions for Computational Problems. *IfCoLog Journal of Logics and Their Applications*, 10(6), 1059–1103. <http://hdl.handle.net/20.500.12708/191230>

[Link](#)

101 Mathematik

102 Informatik

Lasemi, N., Liedl, G., & Rupprechter, G. (2023). Formation of Periodic Surface Structures by Multipulse Femtosecond Laser Processing of Au-Coated Ni in Various Fluids. *ACS Applied Engineering Materials*, 1(4), 1263–1276. <https://doi.org/10.1021/acsaenm.3c00070>

[Link](#)

103 Physik, Astronomie

104 Chemie

205 Werkstofftechnik

Korjenic, A. (2023). Green Facade and Photovoltaic: a Multifunctional System. *Renewable and Sustainable Energy*, 1(1). <https://doi.org/10.55092/rse20230003>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schaar, H., Krampe, J., & Kreuzinger, N. (2023). Einsatzbereiche und Grundlagen für die 4. Reinigungsstufe in Österreich. *Österreichische Wasser- und Abfallwirtschaft*, 75(9–10), 549–557. <https://doi.org/10.1007/s00506-023-00984-8>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dorninger, D., & Länger, H. (2023). On ring-like event systems in quantum logic. *Asian-European Journal of Mathematics*, 16(8), Article 2350148. <https://doi.org/10.1142/S1793557123501486>

[Link](#)

101 Mathematik

Baumüller, J. (2023). Corporate Sustainability Reporting: Neue Anforderungen an die Unternehmensberichterstattung, -führung und -aufsicht in der EU. *ecolex: Zeitschrift fuer Wirtschaftsrecht*, 34(8), 676–681.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Raab, J., & Weigert, M. (2023). Personenbezogene Vergabekriterien und ihre Auswirkungen auf den Bauarbeits- und Bietermarkt. *Zeitschrift für Vergaberecht und Bauvertragsrecht*, 01/2023, 44–49.

[Link](#)

201 Bauwesen

Andessner, S., Damjanovic, D., & Wagner, D. A. (2023). Rechtliche Herausforderungen der Mehrfachnutzung von Flächen am Beispiel von Agri-Photovoltaik. *Recht der Umwelt*, 6, 230–240.

[Link](#)

505 Rechtswissenschaften

Eberhardsteiner, J., Pech, S., Autengruber, M., Vida, C., Lukacevic, M., Königsberger, M., & Füssl, J. (2023). Numerical Modeling in Timber Engineering – Moisture Transport and Quasi-Brittle Failure. *Rad Hrvatske Akademije Znanosti i Umjetnosti. Tehnicke Znanosti*, 23, 61–90. <https://doi.org/10.21857/yvjrdevggy>

[Link](#)

201 Bauwesen

Pechtl, J., Strobl, S., & Haubner, R. (2023). Ein Kupferbeil aus der frühen Kupferzeit vom Heuberg bei Ohlstadt, Deutschland. *BHM Berg- und Hüttenmännische Monatshefte*, 168(9), 406–413. <https://doi.org/10.1007/s00501-022-01310-7>

[Link](#)

104 Chemie

601 Geschichte, Archäologie

Klemm, S., Strobl, S., & Haubner, R. (2023). Spuren der bronzezeitlichen Kupferverhüttung in der Radmer, Steiermark, Österreich. *BHM Berg- und Hüttenmännische Monatshefte*, 168(9), 414–424. <https://doi.org/10.1007/s00501-023-01362-3>

[Link](#)

104 Chemie

601 Geschichte, Archäologie

Modl, D., Strobl, S., & Haubner, R. (2023). Untersuchung eines Doppelspitzschlängels aus dem Umfeld der römischen Siedlung Michlhallberg nahe Altaussee (Steiermark, Österreich). *BHM Berg- und Hüttenmännische Monatshefte*, 168(9), 453–467. <https://doi.org/10.1007/s00501-023-01380-1>

[Link](#)

104 Chemie

601 Geschichte, Archäologie

Baumüller, J. (2023). Die Endfassung der ESRS (“Set 1”) liegt vor. *BÖB-Journal?: Fachinformationen für das Rechnungswesen*, 95(23), 60–63.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Grünbichler, R., Baumüller, J., & Zunk, B. M. (2023). Die Kostenrechnung als zentrales Steuerungsinstrument in Unternehmen?: Ein systematischer Überblick über ausgewählte Kostenrechnungsthemen. *BÖB-Journal?: Fachinformationen für das Rechnungswesen*, 95(23), 52–56.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Baumüller, J., Niklas, A., & Schneller, H. (2023). Die Einbeziehung der Arbeitnehmervertreter in den Prozess der Nachhaltigkeitsberichterstattung. *Aufsichtsrat aktuell*, 19(4), 152–158.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Oevermann, H. (2023). Wohnen im Denkmal: Partizipative Denkmalpflege? *Forum Stadt*, 50(3), 222–238.

[Link](#)

201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung
604 Kunstwissenschaften

Filkin, V., Vetyukov, Y., Heinrich, B., & Toth, F. (2023). Modelling the post-buckling behaviour of steel sheets under induction heating. *Proceedings in Applied Mathematics and Mechanics*, 23(2), Article e202300151. <https://doi.org/10.1002/pamm.202300151>

[Link](#)

103 Physik, Astronomie
107 Andere Naturwissenschaften
203 Maschinenbau

Baumüller, J., & Hattenkofer, L. (2023). Auf dem Weg zu einer verlässlichen Nachhaltigkeitsberichterstattung: Effektive interne Kontrolle mit dem COSO Internal Control – Integrated Framework. *GRC aktuell*, 6(3), 78–84.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J. (2023). Die ersten IFRS Sustainability Disclosure Standards wurden veröffentlicht. Die neue globale baseline für die Nachhaltigkeitsberichterstattung nimmt Form an. *Der Wirtschaftstreuhänder?: WT Fachjournal für Wirtschaftsprüfer und Steuerberater*, 75(4), 306–310.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Kichaieva, O., & Adam, D. (2023). Assessment of the probability of exceeding the limiting deformations of a building foundation. *Slovak Journal of Civil Engineering*, 31(3), 34–42. <https://doi.org/10.2478/sjce-2023-0018>

[Link](#)

101 Mathematik
201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Donta, P. K., Murturi, I., Casamayor Pujol, V., Sedlak, B., & Dustdar, S. (2023). Exploring the Potential of Distributed Computing Continuum Systems. *Computers*, 12(10), Article 198. <https://doi.org/10.3390/computers12100198>

[Link](#)

102 Informatik

Ceballos Cantu, J. P., Jobst, M., & Gartner, G. (2023). Understanding relevance in maps through the use of knowledge graphs. *International Journal of Cartography*. <https://doi.org/10.1080/23729333.2023.2257962>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Baumüller, J. (2023). Die Auswahl von Metriken in der Nachhaltigkeitsberichterstattung gemäß ESRS?: Über welche Nachhaltigkeits-Kennzahlen müssen europäische Unternehmen fortan berichten? *PiR - Internationale Rechnungslegung*, 19(10), 329–336.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Donsa, S., Lackner, F., Burgdörfer, J., Bonitz, M., Kloss, B., Rubio, A., & Brezinová, I. (2023).

Nonequilibrium correlation dynamics in the one-dimensional Fermi-Hubbard model: A testbed for the two-particle reduced density matrix theory. *Physical Review Research (PRResearch)*, 5(3), Article 033022. <https://doi.org/10.1103/PhysRevResearch.5.033022>

[Link](#)

103 Physik, Astronomie

Baumüller, J. (2023). Voraussetzungen für den Start in die neue europäische Nachhaltigkeitsberichterstattung?: Fundamente der Berichterstattung gemäß CSRD und ESRS. *CFO aktuell*, 17(5), 165–168.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Trost, P., Eder, M., & Kartnig, G. (2023). RCS/RS mit einem Roboter – Analytische Betrachtung des Durchsatzes. *Logistics Journal. Proceedings*, 2023. https://doi.org/10.2195/lj_proc_trost_de_202310_01

[Link](#)

203 Maschinenbau

Baumüller, J. (2023). European Sustainability Reporting Standards (ESRS) Set 1 – Die Endfassungen vom Juli 2023?: Überblick und Würdigung. *KoR?: Zeitschrift für internationale und kapitalmarktorientierte Rechnungslegung*, 23(10), 411–415.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Kriegler, A., Beleznai, C., Gelautz, M., Murschitz, M., & Göbel, K. (2023). PrimitivePose: Generic Model and Representation for 3D Bounding Box Prediction of Unseen Objects. *International Journal of Semantic Computing*, 17(03), 387–410. <https://doi.org/10.1142/S1793351X23620027>

[Link](#)

102 Informatik

Babor, L. (2023). Numerical investigation of mixed convection flow over a heated horizontal plate of finite length. *Proceedings in Applied Mathematics and Mechanics*, 23(2), Article e202300030. <https://doi.org/10.1002/pamm.202300030>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Kostjak, V., & Neuner, H.-B. (2023). Investigation of Systematic Influences on the Distance Measurement and Sensitivity of a Profile Laser Scanner. *Allgemeine Vermessungs-Nachrichten*, 4, 99–108.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Aigner, F., Fink, J., & Takacs, P. (2023). Complete modified notch functions for a welded detail of a trough bridge. *Steel Construction?: Design and Research*, 16(3), 167–179. <https://doi.org/10.1002/stco.202200043>

[Link](#)

201 Bauwesen

Baumüller, J., Eisl, C., & Leitner-Hanetseder, S. (2023). Neue KPI für die Unternehmenssteuerung durch CSRD und ESRS. *REthinking?: Finance*, 5(4), 4–9.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J. (2023). Die neue “virtuelle Hauptversammlung” in Österreich. *Aufsichtsrat aktuell*, 19(5), 200–206.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Gabriel, V. H., Schaffernak, A., Pfitzner, M., Fellner, J., Tacker, M., & Apprich, S. (2023). Rigid polyethylene terephthalate packaging waste: an investigation of waste composition and its recycling potential in Austria. *Resources*, 12(11), Article 128. <https://doi.org/10.3390/resources12110128>

[Link](#)

105 Geowissenschaften
201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Baumüller, J. (2023). Standards für die Prüfung von Nachhaltigkeitsinformationen?: Nationale und internationale Entwicklungen im Überblick. *WP Praxis - Wirtschaftsprüfung*, 12(11), 326–329.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J. (2023). Unternehmensspezifische Angaben in der Nachhaltigkeitsberichterstattung gemäß ESRS?: Implikationen für die Wesentlichkeitsanalyse und darüber hinaus. *PiR - Internationale Rechnungslegung*, 19(11), 362–367.

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Pickem, M., Maggio, E., & Tomczak, J. M. (2023). LinReTraCe: The linear response transport centre. *SciPost Physics Codebases*, 16, 1–62. <https://doi.org/10.21468/SciPostPhysCodeb.16>

[Link](#)

103 Physik, Astronomie

Steinbrunner, B. (2023). Ein Streifzug durch die österreichische Raumplanung. *Bodenständige Machtverhältnisse. Architektur.aktuell*, 524(11), 12–13. <http://hdl.handle.net/20.500.12708/189621>

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung

Ajanovic, A. (2023). Electricity vs hydrogen in the transition towards sustainable mobility. *Oxford Open Energy*, 2, Article oiad013. <https://doi.org/10.1093/ooenergy/oiad013>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Palma, M. (2023). Grading Threads. Exploiting Viscous Thread Instability for the additive fabrication of Functionally Graded Structures via sensor-adaptive robotic control. *Architecture, Structures and Construction*, 3(2), 171–191. <https://doi.org/10.1007/s44150-023-00089-6>

[Link](#)

102 Informatik
201 Bauwesen
205 Werkstofftechnik

Sebestyen, A., Hirschberg, U., & Rasoulzadeh, S. (2023). Using deep learning to generate design spaces for architecture. *International Journal of Architectural Computing*, 21(2), 337–357. <https://doi.org/10.1177/14780771231168232>

[Link](#)

102 Informatik

201 Bauwesen

Oudega, T. J., Leifels, M., Steinbacher, S., Kandler, W., Derx, J., Farnleitner, A., Kirschner, A. K. T., & Blaschke, A. P. (2023). Evaluating a robust and easy-to-use biological-activity-based method to assess the presence of potentially adverse bacteria at two riverbank filtration sites along the Danube river: A case study. *Österreichische Wasser- Und Abfallwirtschaft*. <https://doi.org/10.1007/s00506-023-00987-5>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Baumüller, J. (2023). Erstanwendung der European Sustainability Reporting Standards. *Zeitschrift für Risikomanagement (ZfRM)*, 4(5), 121–127. <https://doi.org/10.34726/5491>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Aufhauser, M. M., & Gabriel, V. (2023). Social movements and the integrated urban cycle. *Der Öffentliche Sektor - The Public Sector*, 49(1), 51–65. <https://doi.org/10.34749/oes.2023.4656>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Kalhorn, A. F. (2023). Zwischen Freiwilligkeit und Effektivität: Die Potenziale und Grenzen von Green Nudging. *Der Öffentliche Sektor - The Public Sector*, 49(1), 21–40. <https://doi.org/10.34749/oes.2023.4654>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Reif, D., Weisz, L., Ramsbacher, A., Saracevic, E., Krampe, J., & Kreuzinger, N. (2023). Einsatz der Vorwärtsosmose in der weitergehenden Abwasserreinigung. *GWF?: Wasser, Abwasser*, 164(01/2023), 27–30.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Naghdi, S., & Eder, D. (2023). Wassermanagement: Gut gerüstet für Glyphosat. *Nachrichten aus der Chemie*, 71(11), 42–43. <https://doi.org/10.1002/nadc.20234137707>

[Link](#)

104 Chemie

Fiorentini, S., Pruckner, B., Goes, W., Selberherr, S., & Sverdlov, V. (2023). Accurate Torque Evaluation in Elongated Ultra-Scaled STT-MRAM Devices. *ECS Transactions*, 111(1), 181–186. <https://doi.org/10.1149/11101.0181ecst>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zigart, T., Kormann-Hainzl, G., Lovasz-Bukvova, H., Hölzl, M., Moser, T., & Schlund, S. (2023). From lab to industry: lessons learned from the evaluation of augmented and virtual reality use cases in the Austrian manufacturing industry. *Production and Manufacturing Research*, 11(1), Article 286345. <https://doi.org/10.1080/21693277.2023.2286345>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Knierbein, S., & Pfeifer, R. (2023). The Role of the Body in Pandemic Geographies of Encounter: Anti-Restriction Protesters Between Collective Action and Political Violence. *Urban Planning*, 8(4), 107–118. <https://doi.org/10.17645/up.v8i4.6562>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Ramonet Marques, F., Kovacevic, M., Haddadi Sisakht, B., Jordan, C., & Harasek, M. (2023). Bioreactor mixing: a comparison of computational fluid dynamics and experimental approaches in the pursuit of sustainable bioprocessing for the bioeconomy. *Chemical Engineering Transactions*, 105(1), 265–270. <https://doi.org/10.3303/CET23105045>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Feldsar, B., Mayer, R., & Rauber, A. (2023). Detecting adversarial examples using surrogate models. *Machine Learning and Knowledge Extraction*, 5(4), 1796–1825. <https://doi.org/10.3390/make5040087>

[Link](#)

102 Informatik

Ferrari, M., & Kartnig, G. (2023). Fertigung und Test eines Prototyps für die Zustandsüberwachung von Faserseilen für Krananwendungen. *Logistics Journal. Proceedings*, 2023. https://doi.org/10.2195/lj_proc_ferrari_de_202310_01

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Baranyi, R. (2023). DeapSea: Workflow-Supported Serious Game Design for Stroke Rehabilitation. *International Journal of Computer Games Technology*, 2023, Article 3169262. <https://doi.org/10.1155/2023/3169262>

[Link](#)

102 Informatik

Baranyi, R., Körber, Y., Galimov, P., Parandeh, Z., & Grechenig, T. (2023). Rehafox – A therapeutical approach developing a serious game to support rehabilitation of stroke patients using a leap motion controller. *Clinical EHealth*, 6, 85–95. <https://doi.org/10.1016/j.ceh.2023.08.001>

[Link](#)

102 Informatik

Eder, F., & Weil, M. (2023). Garnet-type Na₃Te₂(FeO₄)₃. *Acta Crystallographica Section E: Crystallographic Communications*, 79(4), 328–330. <https://doi.org/10.1107/S2056989023002293>

[Link](#)

104 Chemie

Kaiser, M., Weil, M., Gärtner, P., & Enev, V. (2023). Crystal structures of two 1,2,3,4-tetra-hydro-naphthalenes obtained during efforts towards the total synthesis of elisabethin A. *Acta Crystallographica Section E: Crystallographic Communications*, 79(3), 177–181. <https://doi.org/10.1107/S2056989023001226>

[Link](#)

104 Chemie

Eder, F., & Weil, M. (2023). Crystal structure of $K_6[Zn(CO_3)_4]$. *Acta Crystallographica Section E: Crystallographic Communications*, 79(8), 718–721. <https://doi.org/10.1107/S2056989023006072>

[Link](#)

104 Chemie

Baumüller, J., & Hrinkow, M. (2023). “Taxo 4” und die vorläufige Vollendung der “grünen Nachhaltigkeitstaxonomie”: Eine Gesamtschau. *IRZ - Zeitschrift für Internationale Rechnungslegung*, 18(12), 539–544.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Wartha, E.-M., Bösenhofer, M., Hauzenberger, F., Stocker, H., Feilmayr, C., & Harasek, M. (2023). Influence of Raceway Shape on Species Concentration. *Iron & Steel Technology*, 20(8), 228–234. <https://doi.org/10.33313/TR/0823>

[Link](#)

204 Chemische Verfahrenstechnik

Kanonier, A. (2023). Möglichkeit der Raumplanung gegen Bodenversiegelung. *Recht der Umwelt*, 6, 224–229.

[Link](#)

505 Rechtswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J. (2023). European Sustainability Reporting Standards (ESRS). *Der Wirtschaftstreuhandeher?: WT Fachjournal für Wirtschaftsprüfer und Steuerberater*, 75(5–6), 393–399.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Käding, C. (2023). Lensing with Generalized Symmetrons. *Astronomy*, 2(2), 128–140. <https://doi.org/10.3390/astronomy2020009>

[Link](#)

103 Physik, Astronomie

Fellner, J., & Kuderer, A. (2023). Exakte Bestimmung von treibhauswirksamen CO₂ Emissionen aus Müllverbrennungsanlagen mittels Fossil Carbon Meter. *Müll und Abfall?: Fachzeitschrift für Kreislauf- und Ressourcenwirtschaft*, 12/23, 719–723.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dominguez Corella, A., Jork, N. A., & Veliov, V. (2023). Solution stability of parabolic optimal control problems with fixed state-distribution of the controls. *Serdica Mathematical Journal*, 49(1–3), 155–186. <https://doi.org/10.55630/serdica.2023.49.155-186>

[Link](#)

101 Mathematik

Quissek, M., & Lauer, T. (2023). Impact of surface roughness on the impingement of urea–water solution droplets. *Fluids*, 8(5), 1–16. <https://doi.org/10.3390/fluids8050152>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Quissek, M., Budziankou, U., Pollak, S., & Lauer, T. (2023). CFD simulation of SCR systems using a mass-fraction-based impingement model. *Fluids*, 8(8), 1–28. <https://doi.org/10.3390/fluids8080216>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Lederer, M., Betzwar Kotas, A. M., & Khatibi, G. (2023). Lifetime modeling of solder joints based on accelerated mechanical testing and Finite Element Analysis. *Power Electronic Devices and Components*, 4, 100034. <https://doi.org/10.1016/j.pedc.2023.100034>

[Link](#)

103 Physik, Astronomie

104 Chemie

Wenger, C., Fellner, A., Bucek, F., Werginz, P., & Rattay, F. (2023). Simulating auditory nerve fiber response following micro-electrode stimulation: Comparing efficiency of electrode placements in the scala tympani and scala vestibul. *Current Directions in Biomedical Engineering*, 9(2), 5–8. <https://doi.org/10.1515/cdbme-2023-1202>

[Link](#)

101 Mathematik

Jauk, J., Vašatko, H., Gosch, L., Ristoski, K., Füssl, J., & Stavric, M. (2023). Coextrusion of clay-Based composites: using a multi-material approach to achieve gradient porosity in 3D-printed ceramics. *Ceramics*, 6(4), 2243–2255. <https://doi.org/10.3390/ceramics6040136>

[Link](#)

201 Bauwesen

Galler, R., Huemer, C., Bednar, T., Huymajer, M., Wenighofer, R., Paskaleva, G., Steiner, B., & Melnyk, O. (2023). Aktuelle Forschung im Bereich der Digitalisierung des konventionellen Tunnelbaus. *BHM Berg- und Hüttenmännische Monatshefte*, 168, 601–607. <https://doi.org/10.1007/s00501-023-01409-5>

[Link](#)

102 Informatik

201 Bauwesen

Baumüller, J. (2023). Die neue europäische Nachhaltigkeitsberichterstattung: Unmittelbare und mittelbare Anwendungsbereiche: Betroffenheitsanalyse im Hinblick auf CSRD, ESRS und Co. *BÖB-Journal?: Fachinformationen für das Rechnungswesen*, 96(4), 42–45.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Erat, V., Fürst, E., Hicker, U., Neff, S., & Puttinger, J. (2023). Forschung im Fokus: Exzellenz sichtbar machen und Services bündeln. *Zeitschrift für Hochschulentwicklung*, 18(Sonderheft Forschung), 123–140. <https://doi.org/10.21240/zfhe/SH-F/08>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

508 Medien- und Kommunikationswissenschaften

Hartmann, S., Hasani-Mavriqi, I., & Neff, S. (2023). Cluster Forschungsdaten – Kooperative

Forschungsservices in Österreich. Zeitschrift für Hochschulentwicklung, 18(Sonderheft Forschung), 33–48. <https://doi.org/10.21240/zfhe/SH-F/03>

[Link](#)

102 Informatik

Erat, V., Hartmann, S., Hicker, U., & Neff, S. (2023). Zukunftsweisender Forschungssupport: Das Digitalisierungsprojekt RIS Synergy. Zeitschrift für Hochschulentwicklung, 18(Sonderheft Forschung), 89–107. <https://doi.org/10.21240/zfhe/SH-F/06>

[Link](#)

102 Informatik

Redlein, A., & Stopajnik, E. (2023). Employment in Facility Services: The EU and the US. Journal of Applied Business and Economics, 25(1), 76–83. <https://doi.org/10.33423/jabe.v25i1.5868>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Ell, M. F., & Zeck, G. (2023). Stability of cell adhesion noise analysis for the detection of cancer cell lines. Current Directions in Biomedical Engineering, 9(2), 16–18. <https://doi.org/10.1515/cdbme-2023-1205>

[Link](#)

106 Biologie

202 Elektrotechnik, Elektronik, Informationstechnik

206 Medizintechnik

Jüngel, A., Chen, L., & Holzinger, A. (2023). Quantitative mean-field estimates for aggregation-diffusion equations and fluctuations. Oberwolfach Reports, 38, 30–32.

[Link](#)

101 Mathematik

Moyen Massa, G., & Archodoulaki, V.-M. (2023). Electrical and Electronic Waste Management Problems in Africa: Deficits and Solution Approach. Environments, 10(3), Article 44. <https://doi.org/10.3390/environments10030044>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Adam, D., Brunner, A. T., Markiewicz, R., & Pistor, J. (2023). Long-term experience of the thermo-active ground source system at the metro station Taborstrasse in Vienna. Acta Polytechnica CTU Proceedings, 45. <https://doi.org/10.14311/APP.2023.45.0001>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pregesbauer, P. (2023). Loos on Foot. STOÀ?: Strumenti per l'insegnamento Della Progettazione Architettónica, 3(6), 70–83. <http://hdl.handle.net/20.500.12708/191442>

[Link](#)

201 Bauwesen

604 Kunstwissenschaften

Baumüller, J. (2023). Die Endfassung von “Set 1” der ESRS?: Darstellung und kritische Würdigung. Nachhaltigkeit und Reporting, 1, 6–20.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Baumüller, J. (2023). Berichtsgrenzen und (Dis-)Aggregation in der Nachhaltigkeitsberichterstattung gemäß ESRS?: Regelungen und Handlungsbedarfe. *Nachhaltigkeit und Reporting*, 2023(3), 24–34.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Denzler, P. H., Ramsauer, D., Scheuchenstuhl, D., & Kastner, W. (2023). Experiences Modeling a OPC UA / DDS Gateway in AADL in the Context of Fog Computing. *ACM SIGAda Ada Letters*, 43(1), 58–58. <https://doi.org/10.1145/3631483.3631490>

[Link](#)

102 Informatik

Havlicek, H. (2023). Affine metric geometry and weak orthogonal groups. *Mitteilungen Der Mathematischen Gesellschaft in Hamburg*, 43.

[Link](#)

101 Mathematik

Damjanovic, D., & Peck, O. (2023). Der rechtliche Rahmen für alternative Mobilitätsdienstleistungen - offene Fragen und Handlungsbedarf. *Zeitschrift fuer Verwaltung*, 4/2023, 285–296.

[Link](#)

505 Rechtswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Goll, B., Hofbauer, M., & Zimmermann, H. (2024). A BiCMOS Active Quencher Using an Inverter-Based Differential Amplifier in the Comparator. *IEEE Solid-State Circuits Letters*, 7, 18–21. <https://doi.org/10.1109/LSSC.2023.3338660>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Baumüller, J. (2023). Sustainability Due Diligence & Governance in den ESRS. *Zeitschrift für Corporate Governance*, 18(6), 279–285. <https://doi.org/10.34726/5364>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Kaczvinszki, M., & Braun, S. (2023). The classical unsteady boundary layer: A numerical study. *Proceedings in Applied Mathematics and Mechanics*, 23(3), Article e202300103. <https://doi.org/10.1002/pamm.202300103>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Trischack, A., Cabeza, C. A., Ahmed, A. E. G., Minauf, M., & Harasek, M. (2023). Evaluation of activated carbon treatment in the decolourization of starch hydrolysates. *Chemical Engineering Transactions*, 105, 355–360. <https://doi.org/10.3303/CET23105060>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

211 Andere Technische Wissenschaften

Melenk, J. M., & Wörgötter, D. (2023). Wavenumber-explicit regularity theory for the time-harmonic Maxwell equations in piecewise smooth media. *Oberwolfach Reports*, 43, 12–15.

[Link](#)

101 Mathematik

Hojati, M., Gierl-Mayer, C., & Danninger, H. (2023). Mechanical properties of sinter hardened sintered steels prepared by hybrid alloying. *European Journal of Materials*, 3(1), Article 2202714. <https://doi.org/10.1080/26889277.2023.2202714>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Bernreiter, M., Dvorák, W., & Woltran, S. (2023). Abstract argumentation with conditional preferences. *Argument & Computation*, 1–29. <https://doi.org/10.34726/5479>

[Link](#)

101 Mathematik

102 Informatik

Knoflacher, H. (2023). A key factor in Vienna becoming the “greenest city” in 2020 was the paradigm shift in the transport system 50 years earlier. *Green Energy and Environmental Technology*. <https://doi.org/10.5772/geet.18>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Sauter, T., & Treytl, A. (2023). IoT-Enabled Sensors in Automation Systems and Their Security Challenges. *IEEE Sensors Letters*, 7(12), 1–4. <https://doi.org/10.1109/LENS.2023.3332404>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Diebold, J., & Bleicher, F. (2023). The influence of mill scale on horizontal bandsawing of 1.2312 steel: Wear, forces and vibrations. *Materials Today: Proceedings*, 93(4), 697–704. <https://doi.org/10.1016/j.matpr.2023.05.369>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Bartl, A., & Ipsmiller, W. (2023). Fast fashion versus circular economy: an exciting match? *Detritus*, 24, 23–27. <https://doi.org/10.31025/2611-4135/2023.18309>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schidler, A., & Szeider, S. (2023). SAT-boosted tabu search for coloring massive graphs. *ACM Journal on Experimental Algorithmics*, 28, Article 1.5. <https://doi.org/10.1145/3603112>

[Link](#)

101 Mathematik

102 Informatik

Hoffmann, M., Donev, V., & Brauner, M. (2023). Life cycle costs and asset management for protective structures against natural hazards. *Ce/Papers*, 6(5), 70–78. <https://doi.org/10.1002/cepa.2028>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Wolf, M., Madsen, G. K. H., & Dimopoulos, T. (2023). Accelerated screening of Cu–Ga–Fe oxide semiconductors by combinatorial spray deposition and high-throughput analysis. *Materials Advances*,

4(12), 2612–2624. <https://doi.org/10.1039/D3MA00136A>

[Link](#)

104 Chemie

Kirsch-Soriano da Silva, K., & Kehrer, E.-M. (2023). Quartiersräume: Schaffung und partizipative Begleitung von kollektiv nutzbaren Raumressourcen im Stadtteil. *Soziales_Kapital*, 27, 259–280.

[Link](#)

201 Bauwesen

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Freisinger, M., Rojacz, H., Trausmuth, A., & Mayrhofer, P. H. (2023). Severe Plastic Deformed Zones and White Etching Layers Formed During Service of Railway Wheels. *Metallography, Microstructure, and Analysis*, 12(3), 515–527. <https://doi.org/10.1007/s13632-023-00967-x>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Bork, D., & Langer, P. (2023). Catchword: Language Server Protocol?: An Introduction to the Protocol, its Use, and Adoption for Web Modeling Tools. *Enterprise Modelling and Information Systems Architectures?: International Journal of Conceptual Modeling*, 18(9), 1–16. <https://doi.org/10.18417/emisa.18.9>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Güntner, S. A., Schmidt, G., & Vollmer, L. (2023). Wohnungspolitische Soziale Bewegungen. *Forschungsjournal Soziale Bewegungen*, 36(1), 1–5. <https://doi.org/10.1515/fjsb-2023-0001>

[Link](#)

504 Soziologie

Güttel, W., & Kleinhanns-Rolle, A. (2023). Strategic Leadership durch Orchestrierung der Leadership Value Chains. *Austrian Management Review*, 13, 121–142. <https://doi.org/10.5771/9783957104014-11>

[Link](#)

502 Wirtschaftswissenschaften

Harather, K., Tielsch, K. K., & Schwaderer, C. (2023). BiB-Lab: Bildungsraumexperimente im Innovationslabor. *#schuleverantworten*, 3(1), 77–88. <https://doi.org/10.53349/sv.2023.il.a305>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

605 Andere Geisteswissenschaften

Mikusch, G., Petz, A., Steiner, E., Tabakovic, M., & Tellioglu, H. (2023). Environmental data sensing through participatory urbanism. A best-practice analysis and city-administration perspective. *GI_Forum - Journal for Geographic Information Science*, 11(2), 3–17. https://doi.org/10.1553/giscience2023_02_s3

[Link](#)

102 Informatik

105 Geowissenschaften

509 Andere Sozialwissenschaften

Gotthard, T., Hofmann, P., & Zahradnik, F. (2023). Expansion of the Operating Range of a Multi-fuel Single-Disk Rotary Engine Using a 2+2-Spark Plug Combustion Process. *SAE International Journal of Engines*, 1. <https://doi.org/10.4271/2023-01-5018>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau
204 Chemische Verfahrenstechnik

Mazurkiewicz, B., Galvão, M. de L., & Giannopoulos, I. (2023). BeeAR: Augmented Reality Beeline Navigation for Spatial Knowledge Acquisition. *Proceedings of the ACM on Human-Computer Interaction*, 7(MHCI), 1–17. <https://doi.org/10.1145/3604246>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gstöttner, S., & Hahnenkamp, P. (2023). Bleibt die Antragslegitimation Türhüter für Klimaklagen??: Neue höchstgerichtliche Entscheidungen zum Rechtsschutz im Klima- und Umweltrecht. *Juridikum: Zeitschrift für Kritik - Recht - Gesellschaft*, 2023(3), 277–281. <https://doi.org/10.33196/juridikum202303027701>

[Link](#)

506 Politikwissenschaften

Heiler, G., Hanbury, A., & Filzmoser, P. (2023). The Impact of COVID-19 on Relative Changes in Aggregated Mobility Using Mobile-phone Data. *Austrian Journal of Statistics*, 52(4), 163–179. <https://doi.org/10.17713/ajs.v52i4.1510>

[Link](#)

101 Mathematik
102 Informatik

Rodríguez Ripoll, M., Torres, H., & Gachot, C. (2023). Microstructural Design of Self-lubricating Metals for Forming Processes and Aerospace Applications Using Laser Metal Deposition. *BHM Berg- Und Hüttenmännische Monatshefte*, 168(5), 254–258. <https://doi.org/10.1007/s00501-023-01348-1>

[Link](#)

203 Maschinenbau

Raab, J., & Weigert, M. (2023). Personenbezogene Vergabekriterien und ihre Auswirkungen auf den Bauarbeits- und Bietermarkt: Teil 2: (Verfehlte) Ziele, Herausforderungen und Ausblick. *Zeitschrift für Vergaberecht und Bauvertragsrecht*, 01/2023, 44–49.

[Link](#)

201 Bauwesen
502 Wirtschaftswissenschaften

Geroldinger, S., Teissedre, L., de Oro Calderon, R., Gierl-Mayer, C., & Danninger, H. (2023). Hardenability of PM steel alloyed using tailored master alloys. *HTM - Journal of Heat Treatment and Materials*, 78(6), 341–351. <https://doi.org/10.1515/htm-2023-0028>

[Link](#)

205 Werkstofftechnik
211 Andere Technische Wissenschaften

Wagner, L., Braun, S., & Scheichl, B. (2023). Simulating the opening of a champagne bottle. *Flow*, 3, Article E40. <https://doi.org/10.1017/flo.2023.34>

[Link](#)

101 Mathematik
103 Physik, Astronomie
203 Maschinenbau

Schneidhofer, C., Dubek, K., & Dörr, N. (2023). Robust sensors enabling condition-based maintenance of lubricated components in locomotives and wagons. *Transportation Research Procedia*, 72, 3236–3243. <https://doi.org/10.1016/j.trpro.2023.11.866>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Sauerwein, C., Breu, R., Oppl, S., Groher, I., Antensteiner, T., Podlipnig, S., & Prodan, R. (2023). CodeAbility Austria – Digital gestützte Programmierausbildung an österreichischen Universitäten. *Zeitschrift für Hochschulentwicklung*, 18, 99–115. <https://doi.org/10.3217/zfhe-SH-HL/06>

[Link](#)

101 Mathematik

102 Informatik

Pircher, C., Bachler, M., Ahlström, C., Mayer, C. C., & Hametner, B. (2023). Fit for Duty Assessment of Driver Fatigue based on Statistical Modelling of Cardiovascular Parameters. *Simulation Notes Europe*, 33(4), 157–166. <https://doi.org/10.11128/sne.33.tn.10663>

[Link](#)

101 Mathematik

Koller, M., Weiss, A., Hirschmanner, M., & Vincze, M. (2023). Robotic gaze and human views: A systematic exploration of robotic gaze aversion and its effects on human behaviors and attitudes. *Frontiers in Robotics and AI*, 10, Article 1062714. <https://doi.org/10.3389/frobt.2023.1062714>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

509 Andere Sozialwissenschaften

Baumüller, J. (2023). “Set 1” der European Sustainability Reporting Standards: Ein Überblick. *Nachhaltigkeitsrecht: Zeitschrift für das Recht der nachhaltigen Entwicklung*, 3(4), 441–450. <https://doi.org/10.33196/nr202304044101>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Blacher, D., & Harasek, M. (2023). Optimisation of pipes with constant diameter using the heuristic optimality criterion. *Open Research Europe*, 3, Article 156. <https://doi.org/10.12688/openreseurope.15943.1>

[Link](#)

103 Physik, Astronomie

104 Chemie

204 Chemische Verfahrenstechnik

Pohl, M. (2023). Visualization Literacy. *MedienPädagogik: Zeitschrift für Theorie und Praxis der Medienbildung*, 55, 109–125. <https://doi.org/10.21240/mpaed/55/2023.10.05.X>

[Link](#)

102 Informatik

501 Psychologie

Holly, F., Kolar, G., Berger, M., Fink, S., Ogonowski, P., & Schlund, S. (2023). Challenges on the way to a circular economy from the perspective of the Austrian manufacturing industry. *Frontiers in Sustainability*, 4, Article 1243374. <https://doi.org/10.3389/frsus.2023.1243374>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Aziaba, K., Mozina, F. M., Teufner-Kabas, M., Kabas, F., Jordan, C., & Harasek, M. (2023). Stability of Diethyl Carbonate in the Presence of Acidic and Basic Solvents. *Chemical Engineering Transactions*, 105, 163–168. <https://doi.org/10.3303/cet23105028>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Böhm, S. (2023). Earth rotation is gradually slowing down – is it? *Österreichische Zeitschrift Für Vermessung Und Geoinformation (VGI)*, 111(2), 52–55.

[Link](#)

102 Informatik

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Zhu, S., Yu, T., Xu, T., Chen, H., Dustdar, S., Gigan, S., Gunduz, D., Hossain, E., Jin, Y., Lin, F., Liu, B., Wan, Z., Zhang, J., Zhao, Z., Zhu, W., Chen, Z., Durrani, T., Wang, H., Wu, J., ... Pan, Y. (2023). Intelligent Computing: The Latest Advances, Challenges, and Future. *Intelligent Computing*, 2, Article 0006. <https://doi.org/10.34133/icomputing.0006>

[Link](#)

102 Informatik

Guan, K., He, D., Rupp, M., Shahid, M., & Zhong, Z. (2023). Challenges and Future Research Trends of Window Glass for Smart Rail Vehicles: From the Perspective of Wireless Propagation. *IEEE Communications Standards Magazine*, 7(3), 10–15. <https://doi.org/10.1109/MCOMSTD.0004.2200024>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Vieira Dias Dos Santos, A. C., Hondl, N., Ramos Garcia, M., Victoria, Kuligowski, J., Lendl, B., & Ramer, G. (2023). AFM-IR for nanoscale chemical characterization in life sciences: recent developments and future directions. *ACS Measurement Science Au*, 3(5), 301–314. <https://doi.org/10.1021/acsmeasuresciau.3c00010>

[Link](#)

104 Chemie

Muzaffar, R., Ahmed, M., Sisinni, E., Sauter, T., & Bernhard, H.-P. (2023). 5G Deployment Models and Configuration Choices for Industrial Cyber-Physical Systems – A State of Art Overview. *IEEE Transactions on Industrial Cyber-Physical Systems*, 1, 236–256. <https://doi.org/10.1109/TICPS.2023.3311394>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Topalovic, Z., Haas, R., Ajanovic, A., & Sayer, M. (2023). Prospects of electricity storage. *Renewable Energy and Environmental Sustainability*, 8, Article 2. <https://doi.org/10.1051/rees/2022016>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Trost, P., Kartnig, G., & Eder, M. (2023). Simulation Study of RCS/R-Systems with Several Robots Serving One Picking Station. *FME Transactions*, 51(2), 201–210. <https://doi.org/10.5937/fme2302201T>

[Link](#)

203 Maschinenbau

Banabak, S., & Dorner, J. (2023). Zur Enteignungsfrage. Linke Hoffnungen in der Debatte über die Vergesellschaftung von Wohnkonzernen. *Forschungsjournal Soziale Bewegungen*, 36(1), 162–169. <https://doi.org/10.1515/fjsb-2023-0014>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Haubner, R., & Strobl, S. (2023). Investigations on Copper Cast Cakes, Sickle Fragments and a Spout Axe of the Hoard Find from Drassburg/Burgenland. *Metallography, Microstructure, and Analysis*, 12, 187–201. <https://doi.org/10.1007/s13632-023-00936-4>

[Link](#)

104 Chemie

Gelbard, F. (2023). eInformatics@Austria – Grundlehre Informatik online mit 7 MOOCs. *Zeitschrift für Hochschulentwicklung*, 18(Sonderheft Hochschullehre (2023)), 77–98. <https://doi.org/10.3217/zfhe-SH-HL/05>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Köck, B.-M., Elser, M., & Mihalyi-Schneider, B. (2023). Applications of Multivariate Statistics in the Context of Life Cycle Assessment. *Chemical Engineering Transactions*, 103, 901–906. <https://doi.org/10.3303/CET23103151>

[Link](#)

101 Mathematik

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Göçerler, H., Gachot, C., Grützmacher, P. G., & Eder, S. J. (2023). Skin as an interface: Understanding the synergy of dermatology, biomimetics and tribology. *Tribology and Materials*, 2(3), 128–153. <https://doi.org/10.46793/tribomat.2023.013>

[Link](#)

106 Biologie

203 Maschinenbau

Szabadi, A., Klausser, R., Spadiut, O., & Schröder, C. (2023). Inclusion Bodies in Ionic Liquids. *Liquids*, 4(1), 1–31. <https://doi.org/10.3390/liquids4010001>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Hinkov, B., David, M., Strasser, G., Schwarz, B., & Lendl, B. (2023). On-chip liquid sensing using mid-IR plasmonics. *Frontiers in Photonics*, 4, Article 1213434. <https://doi.org/10.3389/fphot.2023.1213434>

[Link](#)

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

210 Nanotechnologie

Sadeghi, A., Kozeschnik, E., & Biglari, F. R. (2023). Investigation of the Formability of Cryogenic Rolled AA6061 and Its Improvement Using Artificial Aging Treatment. *Journal of Manufacturing and Materials Processing*, 7(2), Article 54. <https://doi.org/10.3390/jmmp7020054>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Yamada, Y., Nishikawa-Pacher, A., & Teixeira da Silva, J. A. (2023). Is it open access if registration is required to obtain scientific content? *European Science Editing*, 49, Article e98101. <https://doi.org/10.3897/ese.2023.e98101>

[Link](#)

102 Informatik

509 Andere Sozialwissenschaften

Constable, E., Bergen, L., Shuvaev, A., Wettstein, J., Weymann, L., Malysheva, E., Pimenov, A., & Guennou, M. (2023). Spectroscopic signature of sublattice polarization in the lattice dynamics of an antiferroelectric crystal. *Physical Review Research (PRResearch)*, 5(1), Article L012036. <https://doi.org/10.1103/PhysRevResearch.5.L012036>

[Link](#)

103 Physik, Astronomie

Gill, S. S., Xu, M., Patros, P., Wu, H., Kaur, R., Kaur, K., Fuller, S., Singh, M., Arora, P., Parlikad, A. K., Stankovski, V., Abraham, A., Ghosh, S. K., Lutfiyya, H., Kanhere, S. S., Bahsoon, R., Rana, O., Dustdar, S., Sakellariou, R., ... Buyya, R. (2024). Transformative effects of ChatGPT on modern education: Emerging Era of AI Chatbots. *Internet of Things and Cyber-Physical Systems*, 4, 19–23. <https://doi.org/10.1016/j.iotcps.2023.06.002>

[Link](#)

102 Informatik

Besleaga, M., Vignolle, G. A., Kopp, J., Spadiut, O., Mach, R., Mach-Aigner, A. R., & Zimmermann, C. (2023). Evaluation of reference genes for transcript analyses in *Komagataella phaffii* (*Pichia pastoris*). *Fungal Biology and Biotechnology*, 10, Article 7. <https://doi.org/10.1186/s40694-023-00154-1>

[Link](#)

102 Informatik

106 Biologie

209 Industrielle Biotechnologie

Baumüller, J. (2023). Set 1 der ESRS – Diesem Anfang wohnt kein Zauber inne. *Der Betrieb*, 76(43), M4–M5.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Baumüller, J., & Typgelt, V. (2023). GRC-Update?: Überblick für die Praxis. *GRC aktuell*, 6(3), 107–108.

[Link](#)

502 Wirtschaftswissenschaften

Hensel, M. U. (2023). Geomorphic Tectonics. *Technology: Architecture + Design*, 7(1), 15–19. <https://doi.org/10.1080/24751448.2023.2176132>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Lukova, A., Bachmann, S., Kivell, T., & Skinner, M. (2023). Trabecular distribution of proximal tibia in extant apes. *PaleoAnthropology*, 2023(2), 350–350.

[Link](#)

211 Andere Technische Wissenschaften

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Pietrobelli, A., Tsegai, Z., Bachmann, S., Synek, A., Kivell, T., & Skinner, M. (2023). Comparing the trabecular structure of distal tibiae in extant hominid taxa: potential for inferring locomotor behaviour. *PaleoAnthropology*, 2023(2), 373–373.

[Link](#)

211 Andere Technische Wissenschaften

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Dunmore, C., Bachmann, S., Synek, A., Kivell, T., & Skinner, M. (2023). First insights into trabecular

bone distribution in the first metacarpal of Homo naledi. *PaleoAnthropology*, 2023(2), 306–306.

[Link](#)

211 Andere Technische Wissenschaften

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Spiel, K. (2023). Practicing Humility: Design as Response, Not as Solution. *Postdigital Science and Education*. <https://doi.org/10.1007/s42438-023-00436-2>

[Link](#)

102 Informatik

605 Andere Geisteswissenschaften

Merin, G. (2023, July 23). HOW A VIENNA GALLERY IS LEADING THE DEMOCRATIZATION OF DESIGN EXHIBITION. *FRAME*. <http://hdl.handle.net/20.500.12708/154482>

[Link](#)

201 Bauwesen

604 Kunstwissenschaften

605 Andere Geisteswissenschaften

Plakolm, S. (2023, January). Die Frelicht-Malerin. *Die Münze*, Jänner-März 2023, 8–12. <http://hdl.handle.net/20.500.12708/154476>

[Link](#)

604 Kunstwissenschaften

Zech, S. (2023, January). Raumplanung als Bodenvorsorge. *Natur.Raum.Management*, 55(01/2023), 6–7. <http://hdl.handle.net/20.500.12708/158158>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J. (2023). 23 (unangenehme) Wahrheiten zu ESG. *Industriemagazin*, 2, 28–36. <http://hdl.handle.net/20.500.12708/154467>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Stiegler, V., Schober, P., & Pont, U. (2023, January). Kluge und städtische “Bäume”?: Smarte Verschattung im urbanen Raum. *Holzforschung Austria*, 01(2023), 6–6. <https://doi.org/10.34726/4741>

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Schnabl, G., & Sherman, A. C. (2023, February 28). Heldenplatz. *Area*, 186(Wien), 132–134.

[Link](#)

201 Bauwesen

Böhm, J. (2023, February). The International VLBI Service for Geodesy and Astrometry (IVS). *GIM International*, 37(2/2023), 50–50.

[Link](#)

102 Informatik

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ostermann, N. (2023, March). Editorial. *Eisenbahntechnische Rundschau (ETR)*, 72. Jahrgang(3/2023),

57–57. <http://hdl.handle.net/20.500.12708/175692>

[Link](#)

201 Bauwesen

Häuplik-Meusburger, S., & Caratelli, P. (2023, January). LUNAR OASIS. *Room Space Journal*, Issue #32, 40–47.

[Link](#)

103 Physik, Astronomie

201 Bauwesen

211 Andere Technische Wissenschaften

Smutny', M., & Rüger, B. (2023, March). Innerösterreichischer Querverkehr – mögliche Attraktivitätssteigerung im Personenverkehr. *Eisenbahntechnische Rundschau (ETR)*, 72. Jahrgang(3/2023), 62–67. <http://hdl.handle.net/20.500.12708/175695>

[Link](#)

201 Bauwesen

Böhm, J. (2023, April). Vermessung der Welt - mit Quasaren. *rmData Geo News*, 1/2023, 8–9.

[Link](#)

102 Informatik

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Friel, A. L., Pfaffeneder, E., Carolin Poulin, Pregesbauer, P., Schnabl, G., Sherman, A. C., Tamburelli, P. P., & Yersin, G. (2023, February 28). The Ringstrasse is not what it seems. *Area*, 186(Wien), 126–126.

[Link](#)

201 Bauwesen

Zischka, F., & Gebeshuber, I.-C. (2023, March). Lernen vom Schmetterling für passiv selbstkühlende Fassaden. *Bulletin. Alumni-Magazin der TU Wien*, 54, 22–23. <http://hdl.handle.net/20.500.12708/176533>

[Link](#)

103 Physik, Astronomie

Plakolm, S. (2023). Marianne Fieglhuber-Gutscher eine Malerin expressiver Frauenbilder (1886-1978). *kunst_salon*, 01/2023, 10–11. <http://hdl.handle.net/20.500.12708/176541>

[Link](#)

604 Kunstwissenschaften

Zeininger, J., & Rupprechter, G. (2023, March). Effizienter Wasserstoff: Tanz der Atome. *Bulletin. Alumni-Magazin der TU Wien*, 54, 11–12.

[Link](#)

103 Physik, Astronomie

104 Chemie

Gebeshuber, I.-C. (2023, May). Bionik - Oberflächen nach dem Vorbild der Natur, Teil 2: Vom Kleinen fürs Große lernen. *Spot*, 18–19. <http://hdl.handle.net/20.500.12708/176987>

[Link](#)

103 Physik, Astronomie

Adam, D., Markiewicz, R., & Brunner, A. T. (2023, March). Geothermienutzung durch Bauteilaktivierung – energieeffizienter Beitrag zur Wärmewende. *Bulletin. Alumni-Magazin der TU Wien*, 54, 14–16. <http://hdl.handle.net/20.500.12708/176963>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Rüger, B. (2023, May). Betriebliche Effizienzsteigerung durch optimierte Fahrzeuglayouts. Eisenbahntechnische Rundschau (ETR), 72(5), 56–61. <http://hdl.handle.net/20.500.12708/177291>

[Link](#)

201 Bauwesen

Lagler, M. (2023, March). Bewertungsmöglichkeit für den emissionsfreien Betrieb von Regionalbahnen. Strassenverkehrstechnik, 3, 205–206.

[Link](#)

201 Bauwesen

Getzner, M., & Strickner, A. (2023, March). Ein gutes Leben für alle. ÖGZ – Österreichische Gemeinde-Zeitung, 3, 12–14.

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Saghafi, S., Foroughipour, S. M., Becker, K., Sabdyusheva Litschauer, I., Foroughipour, S. M., Kaniusas, E., & Dodt, H. U. (2023, February). Challenges in Building a Simple Conic-Based Light Sheet Microscope. Magazine Light Microscopy (Wiley Analytical Science), 2, 14–16.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

206 Medizintechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Fischer, H. S. (2023, June). natuREbuilt: Forschung und Entwicklung rund um ökologisches, mehrgeschoßiges Bauen. Kitting, 2023, 8–9. <http://hdl.handle.net/20.500.12708/187017>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Plank, L., Volmary, H., & Krenn, M. (2023, February). Schutz kritischer Infrastrukturen. Infobrief eu & international, 2023(2), 2–6. <https://doi.org/10.34726/4501>

[Link](#)

502 Wirtschaftswissenschaften

Ostermann, N. (2023, June). Editorial. Eisenbahntechnische Rundschau (ETR), 72(6), 63–63. <http://hdl.handle.net/20.500.12708/187401>

[Link](#)

201 Bauwesen

Priebering, H. J. (2023, July). Preisgeldberechnung neu: Zwischenbericht. derPlan, 59, 19. <http://hdl.handle.net/20.500.12708/187486>

[Link](#)

201 Bauwesen

Schranz, C., & Urban, H. (2023, May 30). Verfahren mit Modellcharakter. Komplex - das Magazin der Halter AG, 16/2023, 186–189. <https://doi.org/10.34726/4621>

[Link](#)

201 Bauwesen

Zluwa, I., Formanek, S., Neumann, I., Briefer, A. K., Wulsch, T., Rosemarie, S., Pucher, B., Haluza, D., & Korjenic, A. (2023, June). Über den Mehrwert von grünen Fassaden - Eine Vorstellung von Ergebnissen

aus aktuellen Forschungsprojekten. OIB aktuell, 02/2023, 19–23.

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Bauernfeind, T., Edtmaier, C., Metzler, W., Riedmann, M., Moser, M., & Schwarz, D. (2023, July).

Carbonfaser-Verbundwerkstoffe durch Galvanoformen. *Galvanotechnik*, 7, 823–827. <http://hdl.handle.net/20.500.12708/187691>

[Link](#)

104 Chemie

205 Werkstofftechnik

Steinbrunner, B. (2023, August 1). Status Quo in der Frage Raumplanung und Bodenschutz in Österreich. *EUropainfo. Das Magazin des EU-Umweltbüros*, 02/23, 16–17. <http://hdl.handle.net/20.500.12708/187780>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Zischka, F., & Gebeshuber, I.-C. (2023, July 12). Lernen vom Schmetterling für passiv selbstkühlende Fassaden. *TMW-Zine*. <http://hdl.handle.net/20.500.12708/187854>

[Link](#)

103 Physik, Astronomie

Laa, B., & Gallian, L. (2023). Kein Klimaschutz ohne die Transformation des öffentlichen Raums. *Forum Mobil*, 37. Jahrgang(02/2023), 23–24.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Lagler, M., Edlinger, S., & Hartl-Benz, V. (2023, June). Das Fahrplankonzept der Regional-Stadtbahn Linz. *Eisenbahntechnische Rundschau (ETR)*, 72(6), 73–77. <https://doi.org/10.34726/5222>

[Link](#)

201 Bauwesen

Korjenic, A., & Hollands, J. (2023, September). Vertikale Begrünung reduziert den Wärmestrom durch die Fassade?: Wie begrünte Fassaden die Temperaturen im Gebäude beeinflussen. *BAUEN+*, 5/2023, 8–13.

<http://hdl.handle.net/20.500.12708/188505>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Weber, M., Rüger, B., & Lemmerer, H. (2023, March). Expressgutversand im Schienenpersonenfernverkehr?: Systemanforderungen für multimodale Güterströme aus Sicht der Privatkund/-innen. *Internationales Verkehrswesen*, 3(75), 38–41. <http://hdl.handle.net/20.500.12708/188502>

[Link](#)

201 Bauwesen

Weber, M., Rüger, B., Oberzaucher, E., & Kostka, L. W. (2023, September). Diversitätsgerechte Bahnhöfe: Entwicklungsmaßnahmen schonen Ressourcen aus Sicht der Servicequalität. *Der Nahverkehr*, 09/2023, 6–11. <http://hdl.handle.net/20.500.12708/188501>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Stude, B., Kappel, E., Brezina, T., & Gallian, L. (2023, August). FreiRad – Teilhabe ist planbar – Kinder ändern das Stadtbild und die Infrastruktur. PLANERIN?: Mitgliederzeitschrift für Stadt-, Regional- und Landesplanung, 4, 59–60. <http://hdl.handle.net/20.500.12708/188498>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Weber, M., Rüger, B., & Lemmerer, H. (2023, September 1). Expressgutversand im Schienenpersonenfernverkehr?: Systemanforderungen für multimodale Güterströme aus Sicht der Privatkund/-innen. Internationales Verkehrswesen, 75(3), 38–41. <http://hdl.handle.net/20.500.12708/188363>

[Link](#)

201 Bauwesen

Drlik, S., Ahn, S., & Hauck, T. (2023, June). Das Extreme rüttelt auf! Zoll+, 42, 4–7. <http://hdl.handle.net/20.500.12708/188493>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Clar-Novak, G., & Lagler, M. (2023, September). Die europäische Trassierungsnormung von Schmalspurbahnen im Vergleich. Eisenbahntechnische Rundschau (ETR), 9/2023, 72–75. <https://doi.org/10.34726/5284>

[Link](#)

201 Bauwesen

Dräger, N., Di Sante, D., Toschi, A., & Andergassen, S. (2023, October). Künstliche Intelligenz für Quantensysteme?: Ein interdisziplinäres Forschungsprojekt an den Instituten für Information Systems Engineering und Festkörperphysik. Bulletin. Alumni-Magazin der TU Wien, 55, 20–21. <http://hdl.handle.net/20.500.12708/189017>

[Link](#)

102 Informatik

103 Physik, Astronomie

Böhm, J. (2023, October). Vermessung der Welt mit Quasaren. Bulletin. Alumni-Magazin der TU Wien, 55, 34–35. <http://hdl.handle.net/20.500.12708/189817>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Baumüller, J., & Schönauer, K. (2023, June). Die Wesentlichkeitsanalyse als Herzstück der Nachhaltigkeitsberichterstattung. iwip Journal, 25(2), 10–13. <http://hdl.handle.net/20.500.12708/189472>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Dolezal, F., Neusser, M., & Blödt, A. (2023, February 1). Kategorisierung der Stoßstellendämmung im Massivholzbau?: Teil 1: Quantifizierung der Wirksamkeit von Maßnahmen an der Stoßstelle mit Messwerten im L-Stoß. Holzbau?: die neue Quadriga, 02/2023, 16–19. <http://hdl.handle.net/20.500.12708/190723>

[Link](#)

201 Bauwesen
205 Werkstofftechnik
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Blödt, A., Neusser, M., & Dolezal, F. (2023, February 1). Kategorisierung der Stoßstellendämmung im Massivholzbau?: Teil 2: Anwendung elastischer Zwischenlagen im Massivholzbau und Prognose der bauakustischen Eigenschaften. *Holzbau?: die neue Quadriga*, 02/2023, 20–25. <http://hdl.handle.net/20.500.12708/190722>

[Link](#)

201 Bauwesen
205 Werkstofftechnik
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hakim Afyouni, N., & Bader, B. (2023, October). Wie kann ein Friedhof islamisch sein? Kunst und Kirche, *Magazin für Kritik, Ästhetik und Religion*, 2023(3), 24–29. <https://doi.org/10.34726/5478>

[Link](#)

201 Bauwesen
601 Geschichte, Archäologie
604 Kunstwissenschaften

Knierbein, S., & Ahn, S. (2023, October). Urbane Alltagsräume zwischen Klima, Krise und Transformation. *Collage?: Zeitschrift für Raumentwicklung*, 5/2023, 4–6. <http://hdl.handle.net/20.500.12708/189733>

[Link](#)

201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung
604 Kunstwissenschaften

Schwaiger, W., & Weinhofer, G. M. (2023, March 1). Ausfallrisiko von Gesellschaften mit beschränkter Haftung (GesmbH): Messung der Häufigkeit (Wahrscheinlichkeit) des Ausfalls via Bilanzdaten und Event Study-Ausfallanalyse. *WINGbusiness*, 3/2023, 32–36. <http://hdl.handle.net/20.500.12708/189741>

[Link](#)

102 Informatik
211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Hofer, K., Werkovits, S., Mirwald, J., Grothe, H., & Hofko, B. (2023, May). Bitumenalterung auf der Spur - Was Sie schon immer über die “Viennese Binder Aging”-Methode wissen wollte, aber bisher nicht zu fragen wagten. *Asphalt und Bitumen*, 3(9), 48–55. <http://hdl.handle.net/20.500.12708/189750>

[Link](#)

104 Chemie
201 Bauwesen

Rakoczi, G., & Bogosavljevic, N. (2023, April 1). Online-Prüfungen in Moodle mit der Aktivität „Test“: Bewährte Erweiterungen für den effizienten und sicheren Einsatz. *FNMA Magazin*, 02/2023, 25–27. <http://hdl.handle.net/20.500.12708/190134>

[Link](#)

211 Andere Technische Wissenschaften

Gruber-Risak, M., Griesser, M., & Plank, L. (2023, December). Erste Fairwork-Studie für Österreich. *ÖGZ – Österreichische Gemeinde-Zeitung*, 12/2023-1/2024, 42–43. <http://hdl.handle.net/20.500.12708/190357>

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Terko, S., Baumüller, J., & Wedl, J. (2023). CSRD: Die Wesentlichkeitsanalyse als zentrales Element von Nachhaltigkeit. *iwp Journal*, 25(4), 67–72. <http://hdl.handle.net/20.500.12708/190354>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Khatibi Damavandi, G., & Walter, T. (2023, September). Beschleunigte Prüfmethode für Lotverbindungen in der Elektronik. *PLUS - Produktion von Leiterplatten und Systemen*, 9, 1158–1170. <http://hdl.handle.net/20.500.12708/190351>

[Link](#)

103 Physik, Astronomie

104 Chemie

Khatibi Damavandi, G., & Czerny, B. (2023, October). Lebensdauerprognose von IGBT-Modulen in Rekordzeit mit BAMFIT-Bondtester. *PLUS - Produktion von Leiterplatten und Systemen*, 10/2023, 1311–1320. <http://hdl.handle.net/20.500.12708/190363>

[Link](#)

103 Physik, Astronomie

104 Chemie

Weber, M., & Rüger, B. (2023, November). Prozessgestaltung für ein simulierendes Fahrgastverhalten. *Eisenbahntechnische Rundschau (ETR)*, 2023(11), 53–56. <https://doi.org/10.34726/5313>

[Link](#)

201 Bauwesen

Knoflacher, H. (2023, November). Klimaziele: Die „Mobilitätswende“ und ihre Probleme. *Internationales Verkehrswesen*, 75(4), 61–65. <http://hdl.handle.net/20.500.12708/190724>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Wareyka-Glaner, M. F. (2023, October). Global Navigation Satellite Systems - Timing ist alles. *Bulletin. Alumni-Magazin der TU Wien*, 55, 36–37. <http://hdl.handle.net/20.500.12708/190720>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kirisits, C., & Maly, T. (2023, December). Die Berechnung von Schienenverkehrslärmemissionen (RVE 04.01.02) im Rahmen der Europäischen Umgebungslärmrichtlinie und nationale Anforderungen für Prognose und Beurteilung. *Eisenbahntechnische Rundschau (ETR)*, 12(4), 74–76. <http://hdl.handle.net/20.500.12708/190447>

[Link](#)

201 Bauwesen

Czerwonka-Schröder, D., Anders, K., & Winiwarter, L. G. (2023, June). Die permanente dreidimensionale Datenerfassung alpiner Hangrutschungen – multitemporale Datenanalyse in webbasierten Anwendungen. *Allgemeine Vermessungs-Nachrichten?: AVN?; Zeitschrift für alle Bereiche der Geodäsie und Geoinformation*, 6/2023, 237–245. <http://hdl.handle.net/20.500.12708/190719>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Heiss, M. (2023, July 12). Business-Trip ins Metaverse. hi!tech - DAS INNOVATIONSMAGAZIN VON SIEMENS ÖSTERREICH, 56–58. <http://hdl.handle.net/20.500.12708/190717>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Rüger, B., & Hlavacek, P. F. (2023, December). Strategische Planung im internationalen Umfeld: Prozessgestaltung und Optimierungsmöglichkeiten. Eisenbahntechnische Rundschau (ETR), 2023(12), 70–73. <https://doi.org/10.34726/5445>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Redlein, A. (2023, March 21). ESG ist mehr als Gebäudemonitoring: Die Auswirkungen auf Planer*innen und Betreiber*innen. TGA - Technische Gebäude-Ausrüstung, 03/2023. <http://hdl.handle.net/20.500.12708/191406>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Redlein, A. (2023, February 9). Es liegt an uns Planer*innen! Das neue Erneuerbare-Wärme-Gesetz und die TGA. TGA - Technische Gebäude-Ausrüstung, 02/2023. <http://hdl.handle.net/20.500.12708/191405>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Redlein, A. (2023, May 4). Künstliche Intelligenz ist mehr als ChatGPT. TGA - Technische Gebäude-Ausrüstung, 05/2023. <http://hdl.handle.net/20.500.12708/191408>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Redlein, A. (2023, June 22). ESG Monitoring und KPIs: Darauf kommt's an. TGA - Technische Gebäude-Ausrüstung, 06/2023. <http://hdl.handle.net/20.500.12708/191407>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Redlein, A. (2023, November). ESG ist mehr als eine Abkürzung. TGA - Technische Gebäude-Ausrüstung, 7/2023, 9–9. <http://hdl.handle.net/20.500.12708/191947>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Redlein, A. (2023, December). Sanierung: ESG und die Auswirkungen. TGA - Technische Gebäude-Ausrüstung, 8/2023, 10–11. <http://hdl.handle.net/20.500.12708/191948>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Redlein, A. (2023, December). ESG - Die neuen Vorgaben der EU für die nicht-finanzielle Berichterstattung. ÖVI-News, 04/2023, 8–8. <http://hdl.handle.net/20.500.12708/191409>

[Link](#)

102 Informatik
211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Rauhala, M., & Enzenhofer, B. (2023). “Sie müssen nur zahlen.” TUW Magazine, 01/2023, 82–82. <http://hdl.handle.net/20.500.12708/191415>

[Link](#)

509 Andere Sozialwissenschaften

Rauhala, M., & Enzenhofer, B. (2023). Barrieren beseitigen. TUW Magazine, 02/2023, 92–93. <http://hdl.handle.net/20.500.12708/191416>

[Link](#)

509 Andere Sozialwissenschaften

Rauhala, M., & Enzenhofer, B. (2023). Gemeinsam Umwelt gestalten. TUW Magazine, 03/2023, 38–39. <http://hdl.handle.net/20.500.12708/191417>

[Link](#)

509 Andere Sozialwissenschaften

Kirsch-Soriano da Silva, K., & Lehner, J. (2023, November). Innovative Ansätze im Umgang mit Bestand in der Sanften Stadterneuerung: Was lernen wir daraus? Future Lab Magazin, 19, 6–7. <http://hdl.handle.net/20.500.12708/191674>

[Link](#)

201 Bauwesen
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung

Redlein, A. (2023, June). Künstliche Intelligenz?: Fluch oder Segen? TGA, 5/2023, 12–13. <http://hdl.handle.net/20.500.12708/191949>

[Link](#)

102 Informatik
211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Haufe, N. (2023, December 1). Integrierte Evaluation für die Mobilitätswende?: Ein Ansatz aus einem österreichischen Leitprojekt zur Mobilität der Zukunft. PLANERIN?: Mitgliederzeitschrift für Stadt-, Regional- und Landesplanung, 6/2023, 31–33. <http://hdl.handle.net/20.500.12708/191984>

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung

Geissler, S., Youssef, D., & Grinzinger, E. (2023, November). Wie kann die Energiewende gelingen? ÖGZ - Österreichische Gemeinde-Zeitung, 11/2023, 42–43. <http://hdl.handle.net/20.500.12708/191950>

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung

Zech, S. (2023, November). Bestand als Erfolgstory der Raumplanung. future.lab MAGAZIN, 19, 14–14. <http://hdl.handle.net/20.500.12708/191952>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Karner, L., Zech, S., Rieger-Jandl, A., & Herbig, U. (2023, November). Kellergassen. Schützen durch Nützen – zwischen Erhalt und Transformation. future.lab MAGAZIN, 19, 21–21. <http://hdl.handle.net/20.500.12708/191951>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Redlein, A. (2023, February). Studieren an der Stanford University?: Teamspirit statt Standesdünkel. TGA, 01/2023, 30–31. <http://hdl.handle.net/20.500.12708/191992>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Pamminger, R., & Wimmer, W. (2023, September). CO2-Fußabdruck als Indikator für EU-Taxonomie-konforme Kreislauf-Strategien im Bauwesen. OiB aktuell - Fachmagazin für Baurecht und Technik, 3/2023, 30–34. <http://hdl.handle.net/20.500.12708/191999>

[Link](#)

201 Bauwesen

203 Maschinenbau

Güttel, W., & Kleinhanns-Rolle, A. (2023). Strategic Leadership: Führungseffektivität durch Orchestrierung der Leadership Value Chains. Wing Business, 03/2023, 6–12. <http://hdl.handle.net/20.500.12708/192001>

[Link](#)

502 Wirtschaftswissenschaften

Ostermann, N. (2023, December). Editorial. Eisenbahntechnische Rundschau (ETR), 4/2023, 61–61. <http://hdl.handle.net/20.500.12708/192004>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Hahnenkamp, P., & Wagner, D. A. (2023, December). Transformation des Bestands - Einschränkungen, Impulse und Spielräume durch das Recht. future.lab Magazin, 19, 4–6. <http://hdl.handle.net/20.500.12708/192003>

[Link](#)

504 Soziologie

505 Rechtswissenschaften

Merin, G. (2023, October 10). The Basilica and the Rotunda?: Type, Analogy and Ritual in Medieval Europe. Burning Farm, 07, 1–13. <http://hdl.handle.net/20.500.12708/192010>

[Link](#)

201 Bauwesen

601 Geschichte, Archäologie

Herbst, I. R. (2023, March 1). EDIN – E-didaktisches Nachschlagewerk zur Online-Lehre am Beispiel

„Prüfen“. FNMA Magazin, 01/2023, 20–22. <http://hdl.handle.net/20.500.12708/192020>

[Link](#)

503 Erziehungswissenschaften

Csanyi, G. (2023, March 1). Kompetenzorientiert prüfen: Assessment auf allen Ebenen. FNMA Magazin, 01/2023, 10–12. <http://hdl.handle.net/20.500.12708/192022>

[Link](#)

503 Erziehungswissenschaften

Mach, I. (2023, November). Lernen vom Japanischen Teehaus. Brücke, 3/2023, 20–22. <http://hdl.handle.net/20.500.12708/192023>

[Link](#)

201 Bauwesen

605 Andere Geisteswissenschaften

Mach, I. (2023, June). Ein Teehaus für Schönbrunn. Brücke, 2/2023, 9–9. <http://hdl.handle.net/20.500.12708/192024>

[Link](#)

201 Bauwesen

605 Andere Geisteswissenschaften

Mach, I. (2023). Learning from the Japanese Teahouse. Neues Vom JSPS-Club, 91(03/2023), 12–14. <http://hdl.handle.net/20.500.12708/192026>

[Link](#)

201 Bauwesen

605 Andere Geisteswissenschaften

Meißner, J. L. (2023, December 15). Das Handwerk der inklusiven Hochschullehre. FNMA Magazin, 04/2023, 33–35. <https://doi.org/10.34726/5448>

[Link](#)

102 Informatik

Singh, D., & Kender, K. (2023, July). Ecofeminist Design for Digital Third Spaces. Interactions, 30(4), 40–43. <https://doi.org/10.1145/3600060>

[Link](#)

102 Informatik

508 Medien- und Kommunikationswissenschaften

Schnauder, I. (2023, December). Hydraulik von Totholz in Flüssen?: Anforderungen, Herausforderungen, Ziele. KW Korrespondenz Wasserwirtschaft, 12/2023, 809–814. <http://hdl.handle.net/20.500.12708/192793>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Binder-Hammer, B. (2023, February 9). Der Staat vergisst die Jungen. Der Pragmaticus. <http://hdl.handle.net/20.500.12708/191410>

[Link](#)

502 Wirtschaftswissenschaften

Zech, S. (2023). Was ist die landuni? landuni post, 20–20. <http://hdl.handle.net/20.500.12708/191985>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Gebeshuber, I.-C. (2023). The new VDI Technical Rule “Biomimetics - Biomimetic design methodology - Products and processes.” NEWSLETTER International Society of Bionic Engineering, 23–25. <http://hdl.handle.net/20.500.12708/191998>

[Link](#)

103 Physik, Astronomie

Urbaniak, S., Pfanner, B., & Witthöft, G. (2023). Quo vadis Kleinregion Thaya-Taffa-Wild & Hardegg??: Projekte zur räumlichen Entwicklungsplanung. *landuni post*, 12–13. <https://doi.org/10.34726/5482>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Hörl, B., Pfanner, B., Gersthofer, T., Witthöft, G., Waldstein, M., & Grinzinger, E. (2023). Welche Potenziale bietet der ländliche Raum? *landuni post*, 2–3. <https://doi.org/10.34726/5444>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Kottbauer, A., & Müller, V. J. (2023). Raum für neue Konzepte?: Raum.Drosendorf: Integratives Entwerfen und Gestalten. *landuni post*, 11–11. <http://hdl.handle.net/20.500.12708/192025>

[Link](#)

201 Bauwesen

Hauger, G. (2023). The Problems of Forecasts in Civil Engineering. *Integrative Journal of Conference Proceedings*, 3(4), Article 000566. <https://doi.org/10.31031/ICP.2023.03.000566>

[Link](#)

201 Bauwesen

Zelaya Lainez, L. H., Balduzzi, G., Lahayne, O., Lukacevic, M., Hellmich, C., & Füssl, J. (2023). Micromechanics of non-embedded spruce wood: Novel polishing and indentation protocol. *Materials Today: Proceedings*, 93(4), 662–668. <https://doi.org/10.1016/j.matpr.2023.04.678>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Carlin, B. N. (2023). NO-HOUSE: SHAMELESS ARCHITECTURE IN 21st -CENTURY JAPAN. *AA Files*, 79, 5–23.

[Link](#)

102 Informatik

201 Bauwesen

604 Kunstwissenschaften

Gallistel, U., & Raab, J. (2023). Behauptungs- und Beweislast zufolge COVID-19-bedingter Mehrkosten - Eine bauwirtschaftliche Betrachtung. *Zeitschrift für Vergaberecht und Bauvertragsrecht*, 03/2023, 149–152.

[Link](#)

201 Bauwesen

502 Wirtschaftswissenschaften

erstveröffentlichte Beiträge in Sammelwerken

Bonacina, M. P. (2023). Reasoning about quantifiers in SMT: the QSMA algorithm. In A. Nadel & K. Y.

Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 1–1). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_1

[Link](#)

102 Informatik

Meel, K. (2023). Distribution Testing: The New Frontier for Formal Methods. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 2–2). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_2

[Link](#)

102 Informatik

Könighofer, B. (2023). Formal Methods for Trusted AI. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 3–3). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_3

[Link](#)

102 Informatik

Rozier, K. Y., Shankar, N., Tinelli, C., & Vardi, M. (2023). Developing an Open-Source, State-of-the-Art Symbolic Model-Checking Framework for the Model-Checking Research Community. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 4–4). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_4

[Link](#)

[Link](#)

102 Informatik

Stuckey, P. J. (2023). MiniZinc for Formal Methods. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 5–5). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_5

[Link](#)

102 Informatik

Swartwout, D. (2023). NASA's core Flight System Framework Overview / Tutorial. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 7–7). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_7

[Link](#)

[Link](#)

102 Informatik

Janota, M., & Narodytska, N. (2023). The FMCAD 2023 Student Forum. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 8–9). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_8

[Link](#)

102 Informatik

Ajanovic, A. (2023). The role of biofuels in the transition toward sustainable transport system. In 7. Mitteleuropäische Biomassekonferenz, Central European Biomasse Conference, #CEBC 2023, Tagungsband, Proceedings (pp. 71–71). Österreichischer Biomasse-Verband.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ederer, M. (2023). Energy-filtered STEM imaging of the TiO₂ – LAO interface: Mapping a 2D Electron Gas. In 13th ASEM Workshop on Advanced Electron Microscopy. Vienna 2023 (p. 41). Austrian Society for Electron Microscopy (ASEM). <https://doi.org/10.34726/4281>

[Link](#)

103 Physik, Astronomie

104 Chemie

210 Nanotechnologie

Brötzner, J., Biber, H., Jäggi, N., Nenning, A., Szabo, P., Odin, K., Rizek, B., Galli, A., Wurz, P., & Aumayr, F. (2023). Quantifying sputter yields of lunar soils. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-16456>

[Link](#)

103 Physik, Astronomie

Pohl, F., Hildebrandt, L., O'Dell, J., Talling, P. J., Baker, M. L., El Gareb, F., La Nasa, J., De Falco, F., Mattonai, M., Ruffell, S. C., Eggenhuisen, J., Modugno, F., Proefrock, D., Pope, E. L., Silva Jacinto, R., Heijnen, M., Hage, S., Simmons, S., Hasenhündl, M., & Heerema, C. (2023). The submarine Congo Canyon as a conduit for microplastics to the deep sea. In EGU General Assembly 2023. EGU General Assembly 2023, Austria Center Vienna, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-12344>

[Link](#)

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Roser, N. S., Hettegger, A., Müller, T., Steiner, M., Aigner, L., Cimadom, A., & Flores-Orozco, A. (2023). Geophysical quantification of porosity in the soda lakes of the Lake Neusiedl-Seewinkel Basin. In EGU General Assembly 2023. EGU General Assembly 2023, Austria Center Vienna, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-12063>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Moser, C., Flores-Orozco, A., & Binley, A. (2023). Resolving capabilities of 3D electrode configurations for spectral induced polarization surveys. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-2363>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Weber, N., Kittlaus, S., Milacic, R., Zoboli, O., Zessner-Spitzenberg, M., & Krampe, J. (2023). River load estimation of micropollutants: The Importance of event-driven sampling. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-6452>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Zoboli, O., Broer, M. B., Gabriel, O., van Gils, J., Loos, S., Kittlaus, S., & Zessner, M. (2023). Coupling targeted monitoring, pathway-oriented data intensive modelling and fate process-based modelling to estimate emission loads and concentrations of trace pollutants in the Danube River Basin. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-7290>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Liu, M., Saracevic, E., Krlovic, N., Zoboli, O., Kittlaus, S., Rab, G., Obeid, A., Oudega, T. J., Derx, J., & Zessner-Spitzenberg, M. (2023). Comparative assessment of PFAS concentrations in emission pathways, surface and groundwater in the upper Danube Basin. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-2267>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Obeid, A., Oudega, T. J., Zoboli, O., Gundacker, C., Blaschke, A. P., Zessner, M., Saracevic, E., Devau, N., Stevenson, M., Krlovic, N., Liu, M., Nagy-Kovács, Z., László, B., Lindner, G., & Derx, J. (2023). Occurrence and Distribution of PFAS in the River and Groundwater at Two Danube Sites. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-11264>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Roth, F., Tupas, M. E., Bauer-Marschallinger, B., & Wagner, W. (2023). Observing with Sentinel-1 widespread flood crises of 2022 in Pakistan and Nigeria. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-11794>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Vreugdenhil, M., Steele-Dunne, S., Shan, X., Kaminski, T., Aurela, M., Büechi, P. E., Dorigo, W. A., Knorr, W., Lemmetyinen, J., Rodriguez-Fernandez, N., Scholze, M., Thum, T., & Williams, M. (2023). Seven Frozen Trees in Sodankyla: Relating ASCAT slope to water and carbon processes over a Boreal forest using in-situ, model and reanalysis data. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-12005>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wagner, W., Massart, S. J. A., Raml, B., Quast, R., Muguda Sanjeevamurthy, P., Navacchi, C., Reuß, F. D., Bauer-Marschallinger, B., & Vreugdenhil, M. (2023). Improving 1km Sentinel-1 Soil Moisture Retrievals by Optimizing Backscatter Preprocessing Workflows. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-7441>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Shan, X., Steele-Dunne, S., Hahn, S., Wagner, W., Bonan, B., Albergel, C., Calvet, J.-C., & Ku, O. (2023). Joint assimilation of ASCAT backscatter and slope into the ISBA land surface model at ISMN stations over Western Europe. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-8489>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Krullikowski, C., Chow, C., Wieland, M., Martinis, S., Chinni, M., Matgen, P., Bauer-Marschallinger, B., Roth, F., Wagner, W., Stachl, T., Reimer, C., Briese, C., & Salamon, P. (2023). A likelihood analysis of the Global Flood Monitoring ensemble product. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-8774>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Mikolka-Flöry, S., Ressler, C., & Pfeifer, N. (2023). Uncertainty of monoplotted features from historical single oblique images. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-6469>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Walicka, A., & Pfeifer, N. (2023). Deep learning based classification of multinational airborne laser scanning data. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-8538>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Karel, W. (2023). Deep Georeferencing of WWII Aerial Reconnaissance Images. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-17437>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dorigo, W. A., Zotta, R.-M., Van Der Schalie, R., Möisinger, L., & de Jeu, R. (2023). VODCA v2: An updated long-term vegetation optical depth dataset for ecosystem monitoring. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-13458>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Zappa, L., Schlaffer, S., & Dorigo, W. A. (2023). Downscaling the ESA CCI Soil Moisture: a new European dataset at 1 km for the period 2008-2020. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-4916>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Böhmer, F., Olarinoye, T., Korres, W., Kramer, K., Dietrich, S., Zink, M., Himmelbauer, I., Schremmer, L., Petrakovic, I., Aberer, D., Sabia, R., Crapolicchio, R., Goryl, P., Scipal, K., & Dorigo, W. A. (2023). The International Soil Moisture Network - a global interoperable data center for in situ soil moisture observations. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-4973>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

GIBON, F., Boresch, A., Himmelbauer, I., Aberer, D., Crapolicchio, R., Díez-García, R., Dorigo, W. A., Goryl, P., Gruber, A., Kerr, Y., Mialon, A., Preimesberger, W., Richaume, P., Rodriguez-Fernandez, N., Sabia, R., Scipal, K., Stradiotti, P., & Tercjak, M. (2023). Fiducial Reference Measurements for Soil Moisture (FRM4SM): Toward a better understanding of (satellite) soil moisture uncertainties. In EGU

General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-8102>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Heyvaert, Z., Scherrer, S. A., Dorigo, W. A., Bechtold, M., & De Lannoy, G. (2023). Joint assimilation of SMAP soil moisture and AMSR2 vegetation optical depth retrievals into the Noah-MP land surface model. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-8638>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Zotta, R.-M., Schlaffer, S., Hollaus, M., Dostalova, A., Vacik, H., Müller, M. M., Atzberger, C., Immitzer, M., Dioszegi, G., & Dorigo, W. A. (2023). Using satellite, airborne laser scanning and socio-economic data in a machine learning framework for improved fire danger modelling in the Alps. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-8876>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pasik, A. J., Gruber, A., Preimesberger, W., De Santis, D., & Dorigo, W. A. (2023). Improved uncertainty estimates for the exponential filter method in a long-term error characterised root-zone soil moisture dataset. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-9685>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sharifi, E., Güntner, A., Haas, J., Dorigo, W. A., Jäggi, A., Ruz Vargas, C., Behzadpour, S., Boergens, E., Briese, C., Contreras Lopez, S., Crétaux, J.-F., Dahle, C., Darbeheshti, N., Dobslaw, H., Dussailant, I., Flechtner, F., Hunink, J., Kidd, R., Kosmale, M., & Pasik, A. J. (2023). G3P: A global data set of groundwater storage variations based on satellite gravimetry. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-10289>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schauer, H., Schlaffer, S., Buechi, P. E., & Dorigo, W. A. (2023). Data-Driven Modelling of Steppe Wetland Variability in Eastern Austrian Seewinkel Using Satellite-Derived Water Extent and Climatological and Groundwater Data. In Abstract EGU23. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-12314>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hirschi, M., Crezee, B., Dorigo, W. A., & Seneviratne, S. I. (2023). Characterising recent drought events

in the context of dry-season trends using current reanalysis and remote-sensing soil moisture products. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-12832>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Preimesberger, W., Stradiotti, P., Madelon, R., Van Der Schalie, R., Rodriguez-Fernandez, N., Hirschi, M., Pasik, A. J., Gruber, A., Dorigo, W. A., de Jeu, R., Kidd, R., & Albergel, C. (2023). ESA CCI and C3S Soil Moisture - New developments and recent applications. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-13224>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Stradiotti, P., Gruber, A., Preimesberger, W., Madelon, R., Van Der Schalie, R., Rodriguez-Fernandez, N., Hirschi, M., Dorigo, W. A., Kidd, R., & Albergel, C. (2023). Accounting for Seasonal Soil Moisture Retrieval Errors in the Generation of Climate Data Records. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-13940>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Aberer, D., Preimesberger, W., Stradiotti, P., Scherrer, S. A., Tercjak, M., Gruber, A., Dorigo, W. A., Boresch, A., Himmelbauer, I., GIBON, F., Richaume, P., Mialon, A., Kerr, Y., Mahmoodia, A., Crapolicchio, R., Sabia, R., Garcia, R., Goryl, P., & Scipal, K. (2023). QA4SM: a service for transparent and reproducible evaluation of satellite soil moisture products. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-14267>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Tong, R., Parajka, J., Tian, F., Szeles, B., Greimeister-Pfeil, I., Vreugdenhil, M., Komma, J., & Blöschl, G. (2023). The value of distributed snow cover and soil moisture data for multi-objective calibration of a conceptual hydrologic model. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-10420>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Massart, S. J. A., Vreugdenhil, M., Bauer-Marschallinger, B., Navacchi, C., Raml, B., Dostálová, A., & Wagner, W. (2023). Mitigating the impact of dense vegetation on the Sentinel-1 surface soil moisture over Europe. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-12269>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hahn, S., Wagner, W., Alves, O., Muguda Sanjeevamurthy, P., Vreugdenhil, M., & Melzer, T. (2023).

Metop ASCAT soil moisture trends: Mitigating the effects of long-term land cover changes. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-16205>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Walther, S., Nelson, J., Migliavacca, M., Dorigo, W. A., Ermida, S. L., Duveiller, G., Gans, F., Ghent, D., Kraft, B., Veal, K. L., Weber, U., Zotta, R.-M., & Jung, M. (2023). Improved data-driven ecosystem carbon fluxes under moisture stress through synergistic Earth observations. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-8175>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pande, N., & Dorigo, W. A. (2023). Investigating causal effects of anthropogenic factors on global fire modeling. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-12716>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Büechi, P. E., Fischer, M., Crocetti, L., Trnka, M., Zappa, L., Grlj, A., & Dorigo, W. A. (2023). Maize and wheat yield forecasting in the Pannonian Basin using extreme gradient boosting and its performance in years of severe drought. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-15519>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Grady, S., Bauer, C., Wehbe, R., Spiel, K., Muller, M., & Harrington, C. (2023). How can we can create an equitable CHI. In Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1–3). <https://doi.org/10.1145/3544549.3583746>

[Link](#)

102 Informatik

Angelini, R., Burtscher, S., Fussenegger, F., Kender, K., Spiel, K., Steinbrecher, F., & Suchanek, O. (2023). Criptopias: Speculative Stories Exploring Worlds Worth Wanting. In CHI'23. Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1–10). Association for Computing Machinery (ACM). <https://doi.org/10.1145/3544549.3582743>

[Link](#)

102 Informatik

605 Andere Geisteswissenschaften

Dari, J., Brocca, L., Modanesi, S., Massari, C., Tarpanelli, A., BARBETTA, S., Quast, R., Vreugdenhil, M., Freeman, V., Barella Ortiz, A., Quintana Seguí, P., Bretreger, D., Flammini, A., & Volden, E. (2023). First regional-scale and high-resolution (1 and 6 km) irrigation water data sets obtained from satellite observations. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-6916>

[Link](#)

102 Informatik

105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gruber, A., & Reichle, R. (2023). Uncertainty Estimation for SMAP Level-1 Brightness Temperature Assimilation at Different Timescales. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. <https://doi.org/10.5194/egusphere-egu23-1903>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kern, L. M., Krasna, H., Böhm, J., & Madzak, M. (2023). Current status and future perspectives of VLBI global solutions. In EGU General Assembly 2023. EGU General Assembly 2023, Vienna, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-13970>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Cegla, A., Rohm, W., Hordyniec, P., Moeller, G., Trzcina, E., & Hanna, N. (2023). 3D ground and space-based ray tracing tomography model – methodology and implementation. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-13749>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gartner, G. (2023). Experiences from several Erasmus + Education Projects. In International Conference on Geomatics Education - Conference Abstract Proceedings (pp. 7–11).

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Krasna, H. (2023). Celebrating 40 years of astrometric and geodetic VLBI data – a solid foundation for celestial and terrestrial reference frames. In Bologna VLBI?: Life begins at 40! Abstract booklet (pp. 19–20). INAF Istituto Nazionale de Astrofisica. <https://doi.org/10.34726/4381>

[Link](#)

103 Physik, Astronomie
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wolf, H., Böhm, J., & Hugentobler, U. (2023). Estimating orbital elements from VLBI observations and GNSS measurements. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-4881>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wilhelm, R. A., Niggas, A., Aumayr, F., & Kotakoski, J. (2023). Extended defect production in 2D materials by the impact of individual slow highly charged ions. In Defects in Two-dimensional Materials - 750. WE-Heraeus-Seminar (pp. 50–50).

[Link](#)

103 Physik, Astronomie

Hanna, N., & Weber, R. (2023). Tropospheric tomography – integration of ground- and space-based GNSS observations. In EGU General Assembly 2023. EGU General Assembly 2023, Vienna, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-9910>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Krasna, H., McCallum, L., & McCarthy, T. (2023). The benefits of the Australian mixed-mode program (2018 - 2023) for the celestial reference frame at S/X-band. In 26th European VLBI Group for Geodesy and Astronomy Working Meeting. Information and book of abstracts (pp. 34–34). <https://doi.org/10.34726/4482>

[Link](#)

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

de Witt, A., Gordon, D., Jacobs, C., Krasna, H., Garcia Miro, C., Johnson, M., McCallum, J., Jung, T., & Hodgson, J. (2023). The K-band (24 GHz) Celestial Reference Frame: Current Status and Roadmap. In 26th European VLBI Group for Geodesy and Astronomy Working Meeting. Information and book of abstracts (pp. 9–9). <https://doi.org/10.34726/4461>

[Link](#)

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

de Witt, A., Jacobs, C., Bietenholz, M., Gordon, D., Nickola, M., Hunt, L., Johnson, M., Krasna, H., & Mwiya, N. (2023). Imaging, model fitting and source structure corrections for the K-band (24 GHz) Celestial Reference Frame. In 26th European VLBI Group for Geodesy and Astronomy Working Meeting. Information and book of abstracts (pp. 10–10). <https://doi.org/10.34726/4481>

[Link](#)

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Glaner, M. F., & Weber, R. (2023). Enhancing PPP-AR with satellite attitude data from ORBEX files. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-11735>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

De Schutter, J., Verduyn, A., Vochten, M., Aertbeliën, E., & Ancillao, A. (2023). Knee flexion angle estimation based on functionally instead of anatomically defined coordinate Systems. In Paper Abstracts ESB 2023. 28th Congress of the European Society of Biomechanics, Maastricht, Netherlands (the).

[Link](#)

102 Informatik

203 Maschinenbau

206 Medizintechnik

Monsefi Estakhrposhti, S. H., Haddadi Sisakht, B., Gföhler, M., & Harasek, M. (2023). Multi-objective optimization of hollow fiber membranes arrangement using modified enhanced JAYA Algorithm. In ESB 2023?: 28th Congress of the European Society of Biomechanics?: Book of Abstracts (pp. 468–468). European Society of Biomechanics.

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik
206 Medizintechnik

Baumgartner, T., Bösenhofer, M., Guillaume, O., Ovsianikov, A., Harasek, M., & Gföhler, M. (2023). How do sinusoidal scaffolds affect fluid flow-induced wall shear stress and mass transport? In *ESB 2023?: 28th Congress of the European Society of Biomechanics?: Book of Abstracts* (pp. 85–85). European Society of Biomechanics.

[Link](#)

203 Maschinenbau
204 Chemische Verfahrenstechnik
206 Medizintechnik

Peck, O. (2023). The integration of alternative mobility services into the provision of public transport in Austria: Legal aspects. In *35th AESOP Annual Congress. Integrated planning in a world of turbulence. Book of Abstracts* (pp. 428–429).

[Link](#)

201 Bauwesen
505 Rechtswissenschaften
507 Humangeographie, Regionale Geographie, Raumplanung

Steinbrunner, B. (2023). Reflections on a risk-adjusted approach in spatial planning. In *35th AESOP Annual Congress. Integrated Planning in a World of Turbulence. Book of Abstracts* (pp. 601–601).

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung

Vasylevska, K., Batik, T., Brument, H., Sharifmoghaddam, K., Nawratil, G., Vonach, E., Mortezaipoor, S., & Kaufmann, H. (2023). Action-Origami Inspired Haptic Devices for Virtual Reality. In E. Brunvand & M. Glencross (Eds.), *Proceedings. SIGGRAPH 2023 Emerging Technologies* (pp. 1–2). Association for Computing Machinery. <https://doi.org/10.34726/5145>

[Link](#)

101 Mathematik
102 Informatik

Maldet, M. (2023). Sustainable municipality modelling: Clustering-based bi-level optimization of a decentralized municipality energy and resource treatment infrastructure portfolio. In *Technische Universität Dresden (Ed.), Book of Abstracts: ENERDAY 2023: 17th Conference on Energy Economics and Technology* (pp. 148–151).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Krlovic, N., Saracevic, E., Zessner-Spitzenberg, M., & Zoboli, O. (2023). Estimating Annual PFAS Loads in WWTP Influent Using a Source-Based Modelling Approach. In *ICCE 2023. 18th International Conference on Chemistry and the Environment. Book of Abstracts* (pp. 165–165). Ca' Foscari University of Venice; European Chemical Society. <https://doi.org/10.34726/4842>

[Link](#)

201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Vogel, L., & Köszegi, S. T. (2023). Faire Arbeit bei plattformvermittelter Sorgearbeit in Österreich? Eine Fallstudie über das Arbeiten vermittelt von betreut.at. In *Gesammelte Impulse zum Tag der Plattformarbeit: Perspektiven aus Forschung und Interessenpolitik* (pp. 50–53). Kammer für Arbeiter und Angestellte für Wien.

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
509 Andere Sozialwissenschaften

Prather, J., Denny, P., Leinonen, J., Becker, B., Albluwi, I., Caspersen, M. E., Craig, M., Keuning, H., Kiesler, N., Kohn, T., Luxton-Reilly, A., MacNeil, S., Petersen, A., Pettit, R., Reeves, B., & Savelka, J. (2023). Transformed by Transformers: Navigating the AI Coding Revolution for Computing Education: An ITiCSE Working Group Conducted by Humans. In Proceedings of the 2023 Conference on Innovation and Technology in Computer Science Education V. 2 (pp. 561–562). <https://doi.org/10.1145/3587103.3594206>

[Link](#)

102 Informatik
502 Wirtschaftswissenschaften

Bendra, M., Fiorentini, S., Selberherr, S., Goes, W., & Sverdlov, V. (2023). A Multi-Level Cell for Ultra-Scaled STT-MRAM Realized by Back-Hopping. In 9th Joint International EuroSOI Workshop and International Conference on Ultimate Integration on Silicon (EuroSOI-ULIS) 2023 (pp. 1–2).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Jorstad, N. P., Fiorentini, S., Goes, W., Selberherr, S., & Sverdlov, V. (2023). Micromagnetic Modeling of SOT-MRAM Dynamics. In Digital Book of Abstracts: 13th International Symposium on Hysteresis Modeling and Micromagnetics (HMM 2023) (pp. 1–1). <http://hdl.handle.net/20.500.12708/188154>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ballicchia, M., Nedjalkov, M., & Weinbub, J. (2023). Gauge-Invariant Wigner Particle Model for Linear Electromagnetic Fields. In S. Olivares & J. Weinbub (Eds.), Book of Abstracts: IWW International Wigner Workshop 2023 (pp. 3–5).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ballicchia, M., Nedjalkov, M., & Weinbub, J. (2023). Coherent Wigner Dynamics of a Superposition State in a Tunable Barrier Quantum Dot. In Book of Abstracts of the International Workshop on Computational Nanotechnology 2023 (IWCN) (pp. 90–91).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wagner, W. (2023). Erfassung von klimarelevanten Prozessen mittels Radarfernerkundung. In Tagungsband 14. Geodätentag - Steyr 2023 (pp. 36–36). Österreichische Gesellschaft für Vermessung und Geoinformation. <http://hdl.handle.net/20.500.12708/188050>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hollaus, M. (2023). Zustandserfassung des Waldes mittels Fernerkundung. In Tagungsband 14. Geodätentag - Steyr 2023 (pp. 13–13). Österreichische Gesellschaft für Vermessung und Geoinformation.

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Afifah, Z. N., Ochoa-Ortiz, H., & Gartner, G. (2023). Diet map: participatory mapping application for specific diets. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-4-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pruckner, B., Fiorentini, S., Jorstad, N. P., Hadamek, T., Selberherr, S., Gös, W., & Sverdlov, V. (2023). Switching Performance of Mo-based pMTJ and dsMTJ Structures. In Book of Abstracts of the International Workshop on Computational Nanotechnology (pp. 144–145).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Gartner, G. (2023). Activating students in cartographic education. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-68-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gartner, G. (2023). Towards strategies for ensuring trustworthiness in cartography. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-69-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gartner, G., Pühringer, J., & Marinova, S. (2023). Confirming cross-cultural differences in map design perception. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-70-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Huang, H., Cheng, Y., Dong, W., Gartner, G., Krisp, J. M., & Meng, L. (2023). Data modeling and processing in location based services: a collaborative research agenda. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-95-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Singh, S., Böhm, J., Krasna, H., Dikshit, O., & Balasubramanian, N. (2023). Analysis of non tidal loading deformation at VLBI sites. In 26th European VLBI Group for Geodesy and Astronomy Working Meeting. Information and book of abstracts (pp. 60–60). <https://doi.org/10.34726/5221>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Jobst, M., & Gartner, G. (2023). A formal description of topographic space – maps contributing to AI. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-110-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Midtbo, T., Bandrova, T., Gartner, G., Lapaine, M., Meng, L., Shen, J., Varanka, D., Voženilek, V., & Wang, T. (2023). Cartographic body of knowledge – work in progress. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-166-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Peterson, M. P., Gartner, G., & Fairbairn, D. (2023). Affordances and models of cartographic communication. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-198-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wang, W., Binn, A., & Gartner, G. (2023). Experiences with distance teaching and learning in cartography – a European perspective. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-268-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ledermann, F. (2023). Minimum dimensions for cartographic symbology: towards a comprehensive definition and assessment method. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-134-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Meier, S., Bogucka, E. P., Ledermann, F., Roth, R. E., Slomska-Przech, K., & Vörös, F. (2023). Opportunities and challenges for the next generation of cartographers. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-162-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Scheck, E., Binn, A., Dörk, M., & Ledermann, F. (2023). A Contemporary Nolli Map: Using OpenStreetMap Data to Represent Urban Public Spaces. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). <https://doi.org/10.5194/ica-abs-6-223-2023>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ignateva, O., & Kraak, M.-J. (2023). Revisiting schools of cartographic thought: ideological connotations

in the (Post-) Soviet school. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-98-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Zoratto, S., Heuser, T., Friedbacher, G., Marchetti-Deschmann, M., & Weiss, V. (2023). The influence of pH for the analysis of Adeno-associated virus by nES GEMMA. In M. Marchetti-Deschmann, E. E. Rosenberg, & V. Weiss (Eds.), *Anakon 2023 Book of Abstracts* (pp. 307–307). TU Wien.

[Link](#)

104 Chemie

210 Nanotechnologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Ali, H., & Wang, W. (2023). A novel indoor trajectory pattern mining framework. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-7-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Griffin, A. L., Reichenbacher, T., Liao, H., Wang, W., & Yinghui Cao. (2023). Cognitive issues of mobile map design and use: a collaborative research agenda. In S. Coetzee (Ed.), 31st International Cartographic Conference (ICC 2023). Copernicus Publications. <https://doi.org/10.5194/ica-abs-6-79-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wolf, H., Böhm, J., & Hugentobler, U. (2023). Absolute orientation of Galileo orbits from simulated VLBI and GNSS observations. In 26th European VLBI Group for Geodesy and Astronomy Working Meeting. Information and book of abstracts (pp. 70–70). <https://doi.org/10.34726/4783>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hobler, G., & Bradley, R. M. (2023). Sputtering from Sinusoidal Surfaces: Monte Carlo Simulations and Comparison to Analytical Results. In SKM 2023 - scientific programme. *Verhandlungen der Deutschen Physikalischen Gesellschaft e.V.*, Dresden, Germany. Deutsche Physikalische Gesellschaft e.V.

[Link](#)

103 Physik, Astronomie

210 Nanotechnologie

Aronis, G., Ancillao, A., Del Grossi, T., Angeli, T., & Gföhler, M. (2023). An improved Design of an upper limb Exoskeleton for overhead tasks. In XXIX Congress of International/Japanese Society of Biomechanics?: ISB/JSB 2023?: Program & Abstract Book (pp. 393–393). International Society of Biomechanics.

[Link](#)

203 Maschinenbau

206 Medizintechnik

Baumgartner, T., Bösenhofer, M., Guillaume, O., Ovsianikov, A., Harasek, M., & Gföhler, M. (2023).

Design and Simulation of flow field for sinusoidal scaffold using Computational fluid dynamics. In XXIX Congress of International/Japanese Society of Biomechanics?: ISB/JSB 2023?: Program & Abstract Book (pp. 454–454). International Society of Biomechanics.

[Link](#)

102 Informatik
203 Maschinenbau
206 Medizintechnik

Ledermann, F. (2023). Improved cartographic rendering and design of detailed street maps and urban atlases. In V. Voženílek & A. Vondráková (Eds.), Symposium ICA Spring Olomouc 2023: Atlases: their design and use: Abstracts (pp. 64–65). Czech Cartographic Society.

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kern, L. M., Krasna, H., Nothnagel, A. G., Böhm, J., & Madzak, M. (2023). Neglected issues of terrestrial datum definition in VLBI. In 26th European VLBI Group for Geodesy and Astronomy Working Meeting. Information and book of abstracts (pp. 32–32).

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kronlachner, L., Brunnbauer, L., & Limbeck, A. (2023). Sample preparation strategies for nanoparticles analysis using laser ablation sampling single particle-ICP-MS. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 41–41).

[Link](#)

104 Chemie

Limbeck, A., Gibbs, D. K., & Brunnbauer, L. (2023). LA-ICP-MS analysis of Deuterium in polymers for assessment of the water content. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 75–75).

[Link](#)

104 Chemie

Porížka, P., Koprivova, H., Kiss, K., Buday, J., Brunnbauer, L., Kaska, M., Limbeck, A., & Kaiser, J. (2023). Laser spectroscopy and laser spectrometry for elemental imaging of cancer tissues. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 127–127).

[Link](#)

104 Chemie

Du, Z. P., Kofler, S., Voglar, T., Kravos, A., Vrlic, M., Jakubek, S., & Hametner, C. (2023). State-of-Health Observer for Polymer Electrolyte Membrane Fuel Cells. In V. Cigolotti & F. Marino (Eds.), Book of Proceedings?: Proceedings of the 10th European Fuel Cell Piero Lunghi Conference (pp. 164–165). ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development. <https://doi.org/10.34726/5230>

[Link](#)

104 Chemie
203 Maschinenbau

Aronis, G., Ancillao, A., Del Grossi, T., Angeli, T., & Gföhler, M. (2023). Metabolic Analysis of a wearable upper Limb Exoskeleton for overhead work. In ESB 2023. 28th Congress of the European Society of Biomechanics?: Book of Abstracts (pp. 56–56). European Society of Biomechanics.

[Link](#)

203 Maschinenbau
206 Medizintechnik

Jüngel, A., & Zurek, A. (2023). Discrete chain rules for finite-volume discretizations of cross-diffusion systems. In ANADAY 2023?: 17th Austrian Numerical Analysis Day?: Book of Abstracts (pp. 5–5).

[Link](#)

101 Mathematik

Fiorentini, S., Pruckner, B., Goes, W., Selberherr, S., & Sverdlov, V. (2023). Accurate Torque Evaluation in Elongated Ultra-Scaled STT-MRAM Devices. In 243rd ECS Meeting with the Eighteenth International Symposium on Solid Oxide Fuel Cells May 28, 2023 - June 2, 2023 Boston, USA (pp. 1–1). <https://doi.org/10.1149/MA2023-01331859mtgabs>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Gollasch, D., Branig, M., Gerling, K., Gulliksen, J., Metatla, O., Spiel, K., & Weber, G. (2023). Designing Technology for Neurodivergent Self-determination: Challenges and Opportunities. In J. Abdelnour Nocera, M. Larusdottir, H. Petrie, A. Piccinno, & M. Winckler (Eds.), Human-Computer Interaction – INTERACT 2023?: 19th IFIP TC13 International Conference, York, UK, August 28 – September 1, 2023, Proceedings, Part IV (pp. 621–626). Springer. https://doi.org/10.1007/978-3-031-42293-5_83

[Link](#)

102 Informatik
605 Andere Geisteswissenschaften

Ayechu Abendano, A., Ancillao, A., Aronis, G., Angeli, T., & Gföhler, M. (2023). A biomechanical model to test the effects of a passive exoskeleton on the shoulder complex. In ESB 2023?: 28th Congress of the European Society of Biomechanics?: Book of Abstracts (pp. 63–63). European Society of Biomechanics.

[Link](#)

102 Informatik
203 Maschinenbau
206 Medizintechnik

Mikolka-Flöry, S., & Pfeifer, N. (2023). Extending QGIS towards collaborative analysis and interpretation of geospatial data. In 5th Virtual Geoscience Conference?: Book of Abstracts (pp. 60–60).

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Iglseder, A., Prochaska, C., Schimpl, L., Berger, N., Hoffert-Hösl, H., Lechner, M., Immitzer, M., Rottenbacher, C., Lumetsberger, T., Bauerhansl, C., & Hollaus, M. (2023). Unlocking the Potential: Bridging the Gap Between Remote Sensing Science and User Uptake in Environmental Applications. An Eastern Austrian Case Study. In 5th Virtual Geoscience Conference?: Book of Abstracts (pp. 56–57). <http://hdl.handle.net/20.500.12708/188811>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Bindreiter, S., Ugljanin, N., & Lorenz, W. (2023). Validating geospatial open government data and “potential profile”: models for urban inward development scenarios in Vienna. In Book of abstracts?: Integrated planning in a world of turbulence (pp. 148–149). AESOP.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Nigsch, E., Achleitner, F., Arnold, A., & Mehrmann, V. (2023). Hypocoercivity in Hilbert Spaces. In ÖMG-Tagung 2023?: Book of Abstracts (pp. 75–75).

[Link](#)

101 Mathematik

Filipovic, L., Reiter, T., Klemenschits, X., Leroch, S., Stella, R., Baumgartner, O., & Hössinger, A. (2023). Process Simulation in Micro- and Nano-Electronics. In Book of abstracts of the International Workshop on Computational Nanotechnology 2023 (pp. 38–39). <http://hdl.handle.net/20.500.12708/189406>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ballicchia, M., Etl, C., Nedjalkov, M., & Weinbub, J. (2023). Wigner Transport in Magnetic Fields. In Book of abstracts of the International Workshop on Computational Nanotechnology 2023 (pp. 119–120).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schwaighofer, M., Zelaya Lainez, L. H., Königsberger, M., Lukacevic, M., Serna Loaiza, S., Harasek, M., Lahayne, O., Senk, V., Zikeli, F. M., Friedl, A., & Füssl, J. (2023). Micromechanics-Guided Nanoindentation of Five Hot-Pressed Lignins Extracted From Different Feedstocks. In Oral Presentations 21st ISWFPC International Symposium on Wood, Fiber and Pulp Chemistry (pp. 165–168).

[Link](#)

201 Bauwesen

Schwaighofer, M., Zelaya Lainez, L. H., Königsberger, M., Lukacevic, M., Serna Loaiza, S., Harasek, M., Friedl, A., Lahayne, O., Senk, V., & Füssl, J. (2023). Characterization of Mechanical Properties of Five Hot-Pressed Lignins Extracted from Different Feedstocks by Microscopy-Aided Nanoindentation. In Computational methods in wood mechanics?: CompWood 2023, ECCOMAS Thematic Conference, September 5-8, 2023?: book of abstracts (pp. 110–111). CIMNE.

[Link](#)

201 Bauwesen

Isceri, S., Giparakis, M., Svagera, R., Waas, M., Nguyen, D. H., Kolibalova, E., Man, O., Detz, H., Schrenk, W., Strasser, G., Bühler-Paschen, S., & Andrews, A. M. (2023). YbRh₂Si₂ epitaxial films for quantum applications. In 22nd International Winterschool?: New Developments in Solid State Physics?: Abstract Book (pp. 195–195). <http://hdl.handle.net/20.500.12708/189213>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Tabean, S., Mousley, M., Hobler, G., De Castro, O., Wirtz, T., & Eswara, S. (2023). Analyses of Contrast in keV Scanning Transmission Helium Ion Microscopy. In IUMRS-ICAM & ICMAT2023 Programme E-Guide. IUMRS International Conference on Advanced Materials & 11th International Conference on Materials for Advanced Technologies, Singapore, Singapore.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

210 Nanotechnologie

Behrle, R., Lugstein, A., den Hertog, M., Weber, W. M., & Sistani, M. (2023). Bias Spectroscopy of Negative Differential Resistance in Ge Nanowire Field Effect Transistors. In Nanowire Week 2023?: Conference Information & Abstracts (pp. 43–43).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Behrle, R., Sistani, M., Murphey, C. G. E., Cahoon, J., Barth S., Salem, B., Den Hertog, M., & Weber, W.

M. (2023). Comparison and Analysis of Charge Carrier Transport in Al-Si/Ge Nanowire Heterostructure Field Effect Transistors. In *Nanowire Week 2023?: Conference Information & Abstracts* (pp. 86–86).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Serna Loaiza, S., Friedl, A., & Harasek, M. (2023). Concept for a net-zero energy self-supply biorefinery: wheat straw study case. In A. Mudrovic & M. Ban (Eds.), *Book of Abstract: 18th sdewes Conference Dubrovnik 2023* (pp. 265–265).

[Link](#)

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ramonet Marques, F., Haddadi Sisakht, B., & Harasek, M. (2023). Anaerobic Digestion as a Tool to Mitigate Greenhouse Gas Emissions from Animal Slurries. In *Book of Abstracts: 18th Conference on Sustainable Development of Energy, Water and Environment Systems (sdewes 2023)* (pp. 1–772). Faculty of Mechanical Engineering and Naval Architecture, Zagreb.

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Eichinger, B. (2023). Necessary and Sufficient conditions for Universality limits. In *Book of abstracts?: International Conference on Spectral Theory and Approximation* (pp. 3–3).

[Link](#)

101 Mathematik

Cancès, C., Herda, M., & Massimini, A. (2023). Finite Volumes for a Generalized Poisson-Nernst-Planck System with Cross-Diffusion and Size Exclusion. In E. Franck, J. Fuhrmann, V. Michel-Dansac, & L. Navoret (Eds.), *Finite Volumes for Complex Applications X—Volume 1, Elliptic and Parabolic Problems* (pp. 57–73). Springer. https://doi.org/10.1007/978-3-031-40864-9_4

[Link](#)

101 Mathematik

Angeli, T., & Kumpf, C. (2023). Implementation of Blood Flow Restricted Exercising for Strength Increase in Quadriceps Muscle on the Multifunctional Dynamometer for Application in Space. In *Book of Abstracts ISGP 2023. 42nd Annual ISGP Meeting, Antwerpen, Belgium*.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

206 Medizintechnik

Melic, A., & Mecklenbräuker, C. (2023). Joint propagation characteristics of acoustic and electromagnetic waves in shallow ocean. In E. Reiter (Ed.), *ASHPC23 Austrian Slovenian HPC Meeting?: Booklet* (pp. 62–62). <http://hdl.handle.net/20.500.12708/189889>

[Link](#)

103 Physik, Astronomie

105 Geowissenschaften

202 Elektrotechnik, Elektronik, Informationstechnik

Cabeza, C. A., Ahmed, A. E. G., Minauf, M., & Harasek, M. (2023). Properties Leading to Starch Hydrolysates Impurities and Membrane-Based Technologies as an Available Sustainable Treatment. In M. Ban, N. Duic, & D. R. Schneider (Eds.), *Book of Abstracts: 18th Conference on Sustainable Development of Energy, Water and Environment Systems (sdewes 2023)* (pp. 385–385). Faculty of Mechanical Engineering and Naval Architecture, Zagreb. <https://doi.org/10.34726/5324>

[Link](#)

204 Chemische Verfahrenstechnik
207 Umweltingenieurwesen, Angewandte Geowissenschaften
211 Andere Technische Wissenschaften

Jüngel, A. (2023). Cross-diffusion systems with entropy structure. In KWIM Conference 2023: Cross-Diffusion Systems: Analysis and Stochastics - Book of Abstracts (pp. 3–4). <http://hdl.handle.net/20.500.12708/189661>

[Link](#)

101 Mathematik

Ottitsch, J. M., Thin, M., Wiesinger, G., & Bleicher, F. (2023). Optimization of Mill Cutting Parameters for the Two-Step Milling Process in Photovoltaic Module Recycling. In 39th Danubia-Adria Symposium on Advances in Experimental Mechanics?: Book of Abstracts (pp. 76–77).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Longobucco, M., Nguyen, V. H., Tai, L. X. T., Buczynski, R., Astrauskas, I., Pugzlys, A., Baltuska, A., Malomed, B., Trippenbach, M., & Bugar, I. (2023). Asymmetric nonlinear couplers: benefits of skewness in dual-core optical fibers. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC) (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10232098>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Neunteufel, M., & Schöberl, J. (2023). The Hellan-Herrmann-Johnson and TDNNS method for nonlinear Koiter and Naghdi shells. In 10th GACM Colloquium on Computational Mechanics from Young Scientists from Academia and Industry (pp. 90–90).

[Link](#)

101 Mathematik

Neunteufel, M., Gopalakrishnan, J., Schöberl, J., & Wardetzky, M. (2023). Distributional Curvatures On Discrete Surfaces With Application To Shells. In Anaday 2023 - 17th Austrian Numerical Analysis Day (pp. 12–12).

[Link](#)

101 Mathematik

Theiner, D., Hlavatsch, M., Limbacher, B., Jaidl, M., Ertl, M. C., Unterrainer, K., Mizaikoff, B., & Darmo, J. (2023). Flexible molecular gas sensing platform in the terahertz domain. In 1st Conference on Photonics for Advanced Spectroscopy and Sensing?: Book of Abstracts (pp. 65–65).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Aigner, L., Roser, N., Hettegger, A., Höfelmaier, D., Cimadom, A., Michel, H., Hermans, T., & Flores Orozco, A. (2023). Uncertainty quantification of aquifer geometry and groundwater level using electrical resistivity models obtained from transient electromagnetic data. In EGU General Assembly 2023. EGU General Assembly 2023, Vienna, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-9723>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ajanovic, A. (2023). Development of electric passenger cars during the COVID-crisis. In IEWT 2023 - Abstracts. IEWT 2023 - Die Zukunft der EnergieMÄRKTE in Europa vor dem Hintergrund neuer geopolitischer Ungleichgewichte, Wien, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Flores Orozco, A., Aigner, L., & Ferk, J. (2023). Evaluating the applicability of transient electromagnetic (TEM) data to characterize aquifer geometry in urban areas. In EGU General Assembly 2023. EGU General Assembly 2023, Vienna, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-10657>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schultz, H., Ahn, S., & Hörster, S. (2023). Co-creativity on crossroads. Chances and pitfalls of co-creative practices. In J. Dohnal & B. Dohnalova (Eds.), *Labyrinth of the world. Landscape crossroads?: Book of Abstracts - Conference Guide ECLAS 2023* (pp. 204–204). Mendel University. <https://doi.org/10.34726/5312>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Diaz Flores, R., Donev, V., Aminbaghai, M., Höller, R., Eberhardsteiner, L., Buchta, M., & Pichler, B. (2023). Treatment of Seasonal Variations of FWD Test Results on Rigid Pavements. In *Book of Abstract 39th Danubia-Adria Symposium on Advances in Experimental Mechanics (39th DAS)*. 39th Danubia-Adria Symposium on Advances in Experimental Mechanics (39th DAS), Siófok, Hungary.

[Link](#)

201 Bauwesen

Schwaighofer, M., Zelaya Lainez, L. H., Königsberger, M., Lukacevic, M., Serna Loaiza, S., Harasek, M., Friedl, A., Lahayne, O., Senk, V., & Füssl, J. (2023). Characterization of Mechanical Properties of Five Hot-Pressed Lignins Extracted from Different Feedstocks by Microscopy-Aided Nanoindentation. In *39th Danubia-Adria Symposium on Advances in Experimental Mechanics (39th DAS)* (pp. 104–105).

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Steiner, M., Moser, C., Flores-Orozco, A., & Ludewig, E. (2023). CryoGeoLab: multi-scale geophysical characterization of permafrost at the Hoher Sonnblick. In A. Kellerer-Pirklbauer (Ed.), *25 Jahre International Permafrost Association (IPA) - Austria: 1998-2023?: Book of Abstracts* (pp. 16–17).

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ajanovic, A., & Haas, R. (2023). On the sustainability of battery electric vehicles. In M. Ban, N. Duic, & D. R. Schneider (Eds.), *18th Conference on Sustainable Development of Energy, Water and Environment Systems?: Book of Abstracts* (pp. 501–501). Faculty of Mechanical Engineering and Naval Architecture.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bruck, E. (2023). Harnessing connected and automated mobility for sustainable urban futures. In *Book of Abstracts?: Digitalization for Sustainability Transformations: Critical Perspectives, Lessons Learned, and Future Prospects* (pp. 23–24). <http://hdl.handle.net/20.500.12708/189773>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Naghdi, S., Brown, E., Zendeabad, M., Kazemian, H., & Eder, D. (2023). Hierarchical MOFs for Removal of Organic and Inorganic Pollutants from Water/Wastewater. In *5th European Conference on Metal Organic Frameworks and Porous Polymers - Abstracts Book* (pp. 419–419).

[Link](#)

104 Chemie

Zeininger, J., Raab, M., Suchorski, Y., & Rupprechter, G. (2023). Observing catalytic reactions by in situ surface microscopy. In Book of Abstracts: Talk Abstracts: 7. GÖCh-Symposium Physikalische Chemie und Elektrochemie in Österreich. 7. GÖCh-Symposium Physikalische Chemie und Elektrochemie in Österreich, Wien, Austria.

[Link](#)

104 Chemie

Gull, J., & Kosina, H. (2023). Monte-Carlo Investigation of Energy Distributions in FET Channels. In 9th Joint International EuroSOI Workshop and International Conference on Ultimate Integration on Silicon (EuroSOI-ULIS): Programme. 9th Joint International EuroSOI Workshop and International Conference on Ultimate Integration on Silicon (EuroSOI-ULIS 2023), Tarragona, Spain.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Sverdlov, V., Jorstad, N. P., Bendra, M., Hadamek, T., & Goes, W. (2023). Modeling Emerging Spintronic Devices and Spintronic THz Emitters. In Book of abstracts of the International Symposium on Terahertz-Related Devices and Technologies (TeraTech 2023) (pp. 50–51).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kosina, H., & Gull, J. (2023). Effect of Electron-Electron Scattering on the Energy Distribution in Semiconductor Devices. In Book of abstracts of the International Workshop on Computational Nanotechnology (IWCN) (pp. 62–63).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Lipp, A.-M., Blasenbauer, D., & Lederer, J. (2023). Status, lack and increase potentials of recycling rates for packaging waste: a case study from Tyrol, Western Austria. In 19th International Symposium on Waste Management and Sustainable Landfilling 2023. 19th International Symposium on Waste Management, Resource Recovery and Sustainable Landfilling (SARDINIA 2023), Santa Margherita Di Pula, Cagliari, Italy.

[Link](#)

204 Chemische Verfahrenstechnik

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Michahelles, F., Boll, S., Siek, K. A., Salim, F. D., & Quigley, A. J. (2023). The unwritten manual of becoming a professor of HCI. In A. Schmidt, K. Väänänen, T. Goyal, P. O. Kristensson, & A. N. Peters (Eds.), CHI EA '23: Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1–3). Association for Computing Machinery. <https://doi.org/10.1145/3544549.3574192>

[Link](#)

101 Mathematik

102 Informatik

Dobler, A., Nöllenburg, M., Stojanovic, D., Villedieu, A., & Wulms, J. (2023). Crossing Minimization in Time Interval Storylines. In 39th European Workshop on Computational Geometry?: EuroCG2023?: Book of Abstracts (pp. 36–37).

[Link](#)

101 Mathematik

102 Informatik

Yoshida, S., Burgdörfer, J., Brienza, R., Fields, G., & Dunning, F. B. (2023). Autoionization of two-electron-excited $88\text{Sr } 5p1^2nl^?$ states. In Book of Abstracts?: XXXIII International Conference on

Photonic, Electronic and Atomic Collisions (pp. 93–93).

[Link](#)

103 Physik, Astronomie

Brienza, R., Lu, Y., Wang, C., Kanungo, S., Killian, T. C., Dunning, F. B., Yoshida, S., & Burgdörfer, J. (2023). Microwave spectroscopy of high- n low- l ^{84}Sr Rydberg states in a cold gas. In XXXIII International Conference on Photonic, Electronic and Atomic Collisions?: Abstracts (pp. 313–313).

[Link](#)

103 Physik, Astronomie

Podewitz, M., Talmazan, R. A., & Castillo, I. (2023). Catalysis in Confinement: Reaction Mechanism of C-X Coupling with a Cu-calix[8]arene Catalyst. In The 6th Quantum Bio-Inorganic Chemistry Conference?: Book of abstracts (pp. 29–29).

[Link](#)

104 Chemie

Podewitz, M. (2023). Towards Predictive and Operando Computational Catalysis – Recent Advancements for Transition-Metal Chemistry. In EuChemS Division of Organic Chemistry 14th Young Investigator Workshop (YIW2023?): Programme. EuChemS Division of Organic Chemistry 14th Young Investigator Workshop (YIW2023), Leuven, Belgium.

[Link](#)

104 Chemie

Hellmich, C., Scheiner, S., Kalliauer, J., & Ukaj, N. (2023). Complex Biomechanics: From Atoms to Patients. In A. Ibrahimbegovic, S. Dolarevic, & M. Cohodar-Husic (Eds.), ECCOMAS MSF 2023?: 6th International Conference on Multi-Scale Computational Methods for Solids and Fluids?: Proceedings (pp. 6–6). University of Sarajevo.

[Link](#)

206 Medizintechnik

Talmazan, R. A., & Podewitz, M. (2023). Tackling Dynamics and Solvation in Transition-Metal Catalysis. In 6th EuChemS Inorganic Chemistry Conference. 6th EuChemS Inorganic Chemistry Conference, Wien, Austria.

[Link](#)

104 Chemie

Talmazan, R. A., & Podewitz, M. (2023). PyConSolv: A Python Package for Conformer Generation of (Metal-Containing) Systems in Explicit Solvent. In Intermolecular Interactions and Properties of Gases, Liquids and Solids?: Book of Abstracts (pp. 71–71).

[Link](#)

104 Chemie

Talmazan, R. A., & Podewitz, M. (2023). Tackling Dynamics and Solvation in Catalysis. In Abstractbook - 59th Symposium on Theoretical Chemistry 2023 (pp. 242–242).

[Link](#)

104 Chemie

Mühl, J., Luszczak, C., & Lederer, J. (2023). Glasrückgewinnung aus Bettaschen aus der Abfallverbrennung. In Österreichische Abfallwirtschaftstagung 2023: Postersession?: Book of Abstracts. Österreichische Abfallwirtschaftstagung 2023, Alpbach, Austria.

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Mühl, J., Hofer, S., Blasenbauer, D., Feher, F., & Lederer, J. (2023). Treatment of MSWI bottom ash from grate incineration and fluidized bed combustion: a comparison. In SARDINIA 2023?: 19th International

Symposium on Waste Management, Resource Recovery and Sustainable Landfilling; Proceedings. 19th International Symposium on Waste Management, Resource Recovery and Sustainable Landfilling (SARDINIA 2023), Santa Margherita Di Pula, Cagliari, Italy. CISA Publisher.

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schartmüller, L., & Steinbrunner, B. (2023). Spatial possibilities for action in the context of multi locality and rural areas. In Book of Abstract: Multi locality and mobilities over the life course (pp. 6–6).

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Rheinfrank, E. H., Franceschi, G., Lezuo, L., Schmid, M., Diebold, U., & Riva, M. (2023). Quasicrystal-like Ordering of the Surface of $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3(001)$. In Abstract Book AVS 69th International Symposium & Exhibition (pp. 58–58).

[Link](#)

103 Physik, Astronomie

Rheinfrank, E. H., Franceschi, G., Schmid, M., Diebold, U., & Riva, M. (2023). Surfaces of $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ at the atomic scale. In TAming COmplexity in Materials: Synergies between Experiment and Modeling?: Program and Book of Abstracts (pp. 44–44).

[Link](#)

103 Physik, Astronomie

Graczyk, P., Schneider, U., Skalski, T., & Tardivel, P. (2023). Pattern Recovery in Penalized Estimation and its Geometry. In European Meeting of Statisticians 2023?: Book of Abstracts (pp. 223–223).

[Link](#)

101 Mathematik

102 Informatik

Lederer, J., & Blasenbauer, D. (2023). The role of demolition waste reduction and recycling to reduce energy demand, greenhouse gas emissions and resource consumption: a Case study from Vienna. In 19th International Symposium on Waste Management and Sustainable Landfilling 2023. 19th International Symposium on Waste Management, Resource Recovery and Sustainable Landfilling (SARDINIA 2023), Santa Margherita Di Pula, Cagliari, Italy.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kau, D., Materic, D., Holzinger, R., & Kasper-Giebl, A. (2023). Fine microplastics and nanoplastics in particulate matter samples from a high alpine environment. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-5730>

[Link](#)

104 Chemie

105 Geowissenschaften

Bachmann, S., Pahr, D., & Synek, A. (2023). Homogenized FE Models Can Predict Hip Joint Loading Using Inverse Bone Remodeling at the Femoral Head. In ESB 2023?: 28th Congress of the European Society of Biomechanics?: Book of Abstracts (pp. 65–65). European Society of Biomechanics.

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Sverdlov, V., Bendra, M., Pruckner, B., Jorstad, N. P., Hadamek, T., Ender, J., Lacerda de Orio, R., & Gös, W. (2023). Spin and Charge Transport in Ultra-Scaled MRAM Cells. In Proceedings of the International Conference “Micro- and Nanoelectronics” (ICMNE) (pp. 55–55). <https://doi.org/10.29003/m3563.ICMNE-2023>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Sombut, P., Diebold, U., Franchini, C., Jakub, Z., Meier, M., Parkinson, G., Pavelec, J., Puntischer, L., Schmid, M., & Wang, C. (2023). Atomic-Level Studies of CO/Rh1 and (CO)₂/Rh1 Formation on an Fe₃O₄(001) support. In AVS 69th International Symposium & Exhibition Overview (pp. 62–62).

[Link](#)

103 Physik, Astronomie

Avril, S., Hellmich, C., & Kalliauer, J. (2023). A continuum mechanics approach to assess the tensile properties of lamin rods. In C. Hellmich & S. Scheiner (Eds.), X International Conference on Computational Bioengineering (ICCB 2023)?: Programme & Book of Abstracts.

[Link](#)

103 Physik, Astronomie

106 Biologie

Pircher, L., Grünwald, T., Lichtenegger, H., Liebl, M., Weinberg, A.-M., & Hellmich, C. (2023). 3D analytical beam theory for magnesium pin-implanted rat femur. In X International Conference on Computational Bioengineering (ICCB 2023)?: Programme & Book of Abstracts. X International Conference on Computational Bioengineering (ICCB 2023), Austria.

[Link](#)

102 Informatik

206 Medizintechnik

211 Andere Technische Wissenschaften

Kau, D., Greilinger, M., Kirchsteiger, B., Göndör, A., Herzig, C., Limbeck, A., Eitenberger, E., Bielecki, J., Vukicevic, A., & Kasper-Giebl, A. (2023). Thermal-optical analysis of water insoluble carbon - how to handle interferences caused by mineral dust. In ANAKON 2023: book of abstracts?: April 11th-14th, Vienna, Austria. ANAKON 2023, Wien, Austria.

[Link](#)

104 Chemie

105 Geowissenschaften

Ludwig, M. (2023). Affine Hardy-Littlewood-Sobolev inequalities. In ÖMG Tagung 2023 Programme and Book of Abstracts (pp. 40–41).

[Link](#)

101 Mathematik

Gritsch, L., & Lederer, J. (2023). Wie entsorgen Konsument:innen zerlegbare Drei-Komponenten-Leichtverpackungen in einer Stadt in Österreich. In Österreichische Abfallwirtschaftstagung 2023 Postersession Book of Abstracts. Österreichische Abfallwirtschaftstagung 2023, Alpbach, Austria.

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

211 Andere Technische Wissenschaften

Olgianti, M., Dziadkowiec, J., Celebi, A. T., Mears, L. L. E., & Valtiner, M. (2023). Towards understanding interfacial thermodynamics: visualising and quantifying cation adsorption on muscovite mica with AFM. In Abstract Book AVS 69th International Symposium & Exhibition (pp. 20–21).

[Link](#)

103 Physik, Astronomie

104 Chemie

Kogler, M., Pichler, C., & Valtiner, M. (2023). Using High Sensitivity – Low Energy Ion Scattering Spectroscopy (LEIS) to Unravel the Complex Nature of High Entropy Alloys. In Book of Abstracts AVS 69th International Symposium & Exhibition (pp. 129–129).

[Link](#)

103 Physik, Astronomie

Kök, A., Billerbeck, A., Manz, P., & Kranzl, L. (2023). Achieving Carbon Neutrality in District Heating: The Impact of Temperature Levels on the Supply Mix of EU-27 in 2050. In H. Lund (Ed.), Book of Abstracts 9th International Conference on Smart Energy Systems (pp. 369–370). Aalborg University. <http://hdl.handle.net/20.500.12708/190498>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Eichinger, B., Lukic, M., & Woracek, H. (2023). Universality limits with regularly varying scaling. In IWOTA 2023 Program (pp. 125–126).

[Link](#)

101 Mathematik

Dohnalik, P., Pichler, B., Richard, G., & Hellmich, C. (2023). Nanoindentation and micromechanics of dental cement paste. In Book of Abstracts ASCE Engineering Mechanics Institute 2023 Conference. ASCE Engineering Mechanics Institute 2023 Conference, Atlanta, Georgia, United States of America (the).

[Link](#)

201 Bauwesen

206 Medizintechnik

Kolisnyk, M., & Piskachov, O. (2023). Analysis and Systematization of Vulnerabilities of Drone Subsystems. In Information and Communication Technologies in Education, Research, and Industrial Applications (pp. 65–81). Springer Link. https://doi.org/10.1007/978-3-031-48325-7_6

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Murin, J., Aminbaghai, M., Kugler, S., Hrabovsky, J., Paulech, J., & Kutis, V. (2023). Elastostatic analysis of FGM beams with variable stiffness in three directions. In A. J. M. Ferreira, H. Hu, N. Fantuzzi, M. Baccocchi, & A. Neves (Eds.), ICCS26 - 26th International Conference on Composite Structures & MECHCOMP8 - 8th International Conference on Mechanics of Composites?: Book of Abstracts (pp. 100–100).

[Link](#)

201 Bauwesen

Wagner, A., & Scheiner, S. (2023). A micromechanics-informed beam model of growing wood structures. In C. Hellmich & S. Scheiner (Eds.), X International Conference on Computational Bioengineering?: Programme & Book of Abstracts (pp. 41–41).

[Link](#)

106 Biologie

201 Bauwesen

211 Andere Technische Wissenschaften

Diaz Flores, R., Donev, V., Aminbaghai, M., Eberhardsteiner, L., Zelaya Lainez, L. H., Höller, R., Hellmich, C., Buchta, M., & Pichler, B. (2023). Seasonal variation of FWD test results of a concrete-over-asphalt composite pavement: asphalt-related temperature correction of measured deflections. In ASCE Engineering Mechanics Institute 2023 Conference?: Book of Abstracts (pp. 655–655).

[Link](#)

201 Bauwesen

Filzmoser, P., & Mayrhofer, M. (2023). Outlier explanation based on Shapley values for vector- and matrix-valued observations. In P. Coretto, G. N. Giordano, & M. La Rocca (Eds.), *CLADAC 2023?: Book of Abstracts and Short Papers?: 14th Scientific Meeting of the Classification and Data Analysis Group* (pp. 156–158). Pearson Education Resources.

[Link](#)

101 Mathematik

Diaz Flores, R., Aminbaghai, M., Eberhardsteiner, L., Blab, R., Buchta, M., & Pichler, B. (2023). Non-Uniform subgrade properties of rigid pavement structures indentified from multi-directional falling weight deflectometer tests. In A. Ibrahimbegovic, S. Dolarevic, & M. Cohodar-Husic (Eds.), *ECCOMAS MSF 2023?: 6th International Conference on Multi-scale Computational Methods for Solids and Fluids?: Proceedings* (pp. 184–185).

[Link](#)

201 Bauwesen

Neunteufel, M., Gopalakrishnan, J., Schöberl, J., & Wardetzky, M. (2023). Analysis of distributional Riemann curvature tensor in any dimension. In *International Workshop “Vector- and Tensor-Valued Surface PDEs”?: Program and Abstract Book* (pp. 17–17).

[Link](#)

101 Mathematik

Filzmoser, P., Mayrhofer, M., Radojicic, U., & Lewitschnig, H. (2023). Explainable outlier identification for matrix-valued observations. In *Book of Abstracts?: International Conference on Data Science?: ICDS 2023?: Multidimensional Perspectives: From Statistical Learning to Data Science Applications* (pp. 13–13).

[Link](#)

101 Mathematik

Hirschler, P., Pühringer, F., Zech, S., Janesch, T. L., Pescatore, E., Mauri, A., Tomaselli, M., Sattlegger, S., Buchenberger, M., & Aufhauser, M. M. (2023). Four cities, three provinces, two states, one region: Integrated inner-city development concept in a regional context (ISEK4). In *35th AESOP Annual Congress. Integrated Planning in a World of Turbulence. Book of Abstracts* (pp. 298–299). <https://doi.org/10.34726/5486>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Lechner, C., Koch, M., Tervo, M., Lauterborn, W., & Mettin, R. (2023). Influence of bubble size, liquid properties and ambient pressure on jet formation of wall attached bubbles. In *9. Kavitationsworkshop?: Booklet* (pp. 27–27).

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

Daniilidis, A., Ley, O., & Haddou, M. (2023). A convex function satisfying the Lojasiewicz inequality but failing the gradient conjecture both at zero and infinity. In *VII Latin American Workshop on Optimization and Control LAWOC 2022 - Conference’s Book* (pp. 13–13).

[Link](#)

101 Mathematik

Ruppitsch, L. A., Egger, J., Ehrmann, K., Koch, T., Stampfl, J., & Liska, R. (2023). Supramolecular Upy-Interactions in Photopolymer Networks for Additive Manufacturing. In *EUPOC 2023 - Dynamic Polymer Networks?: Booklet of Abstracts* (pp. 103–103).

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Eder, M. M. J., Petzoldt, P., Tschurl, M., Pavelec, J., Schmid, M., Diebold, U., Heiz, U., & Parkinson, G. (2023). Heterogeneous Photocatalysis: Alcohols on Bare and Metal-loaded TiO₂(110) and Fe₂O₃(012). In Book of Abstract AVS 69th International Symposium & Exhibition (pp. 119–120).

[Link](#)

103 Physik, Astronomie

Kogler, M., Kalchgruber, L., & Valtiner, M. (2023). High resolution analysis of passive films with low energy ion scattering reveal new insight into passive film structures and chemistries on steel and high entropy alloys. In EuroCorr 2023?: Abstracts / Extended Papers of Lectures. The Annual Congress of the European Federation of Corrosion (EuroCorr 2023), Brüssel, Belgium.

[Link](#)

103 Physik, Astronomie

Ramach, U., Andersson J., & Valtiner, M. (2023). Electrochemically Conducting Lipid Bilayers: Q-Lipid-Containing Membranes Show High in-Plane Conductivity Using a Membrane-on-a-Chip Setup. In Book of Abstract AVS 69th International Symposium & Exhibition (pp. 7–7).

[Link](#)

103 Physik, Astronomie

Schmid, M., Imre, A. M., Kraushofer, F., Dörr, F., Kißlinger, T., Diebold, U., Hammer, L., & Riva, M. (2023). High-quality LEED-IV data with ViPERLEED. In ECSCD 15 & ICSOS 13 (pp. 83–83).

[Link](#)

103 Physik, Astronomie

Pech, S., Lukacevic, M., & Füssl, J. (2023). Phase field method-based modeling of wood fracture. In Book of Abstracts of the ASCE Engineering Mechanics Institute 2023 Conference (pp. 572–572).

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Pech, S., Lukacevic, M., & Füssl, J. (2023). Phase field method-based modeling of fracture in wood. In Computational methods in wood mechanics?: CompWood 2023, ECCOMAS Thematic Conference, September 5-8, 2023?: book of abstracts (pp. 104–105). CIMNE.

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Vardas, I., Hunold, S., Swartvagher, P., & Träff, J. L. (2023). Effects of Mapping Strategies on Average Duration and Throughput of Colocated HPC Applications. In E. Reiter (Ed.), Austrian-Slovenian HPC Meeting 2023 - ASHPC23 (pp. 10–10). EuroCC Austria. <https://doi.org/10.34726/5330>

[Link](#)

102 Informatik

Lukacevic, M., Vida, C., & Füssl, J. (2023). Size effect of glued laminated timber beams predicted by numerical simulations. In ASCE Engineering Mechanics Institute 2023 Conference?: Book of Abstracts (pp. 675–675).

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Codenotti, G., & Freyer, A. (2023). A unimodular theory of reduced and complete convex bodies. In VI

Congreso de Jóvenes Investigadores de la Real Sociedad Matemática Española (pp. 75–75).

[Link](#)

101 Mathematik

Tervo, M., Koch, M., Lechner, C., & Mettin, R. (2023). Simulations of bubble surface oscillations and microstreaming. In 9. Kavitationsworkshop - Booklet (pp. 30–30).

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

Fricke, C. D., Steinbrecher, I., Wolff, D., Popp, A., & Elgeti, S. (2023). Optimization of fiber-reinforced materials to passively control strain-stress response. In 10th GACM Colloquium on Computational Mechanics from Young Scientists from Academia and Industry (pp. 86–86).

[Link](#)

102 Informatik

203 Maschinenbau

211 Andere Technische Wissenschaften

Detmann, B., Gavioli, C., Krejci, P., Lamac, J., & Namlyeyeva, Y. (2023). A model for lime consolidation of porous solids. In 93rd Annual Meeting of the International Association of Applied Mathematics and Mechanics Book of Abstracts (pp. 430–430).

[Link](#)

101 Mathematik

Weiss, M., Holzer, A., Krammer, M., Huber, T., Opitz, A. K., & Limbeck, A. (2023). Laser-induced breakdown spectroscopy as an universal platform for investigating proton conducting oxides. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 318–318). National Institute of Chemistry. <https://doi.org/10.34726/5357>

[Link](#)

104 Chemie

Hartarsky, I. (2023). Two neighbour bootstrap percolation and Fredrickson-Andersen model. In Recent Developments in Stochastic Processes (pp. 6–6).

[Link](#)

101 Mathematik

Jimenez Segura, N., Pichler, B., & Hellmich, C. (2023). Analytical multi-shape composite mechanics: going beyond the limits of Mori-Tanaka homogenization. In EMI 2023 International Conference?: Book of Abstracts. Engineering Mechanics Institute International Conference EMI-IC 2023, Palermo, Italy.

[Link](#)

103 Physik, Astronomie

201 Bauwesen

Hellmich, C., Kalliauer, J., Ukaj, N., & Scheiner, S. (2023). Complex Biomechanics: from atoms to patients. In EMI 2023 International Conference?: Book of Abstracts. Engineering Mechanics Institute International Conference EMI-IC 2023, Palermo, Italy.

[Link](#)

206 Medizintechnik

Pittenauer, M., Rameshan, R., Schrenk, F., Rameshan, C., & Föttinger, K. (2023). Insights in the water gas shift reaction over CoFe₂O₄ and NiFe₂O₄ based on operando spectroscopy techniques. In EUROPACAT 2023, 15th European Congress on Catalysis, Catalysis: A pillar of modern society?: Book of Abstracts (pp. 1457–1457).

[Link](#)

104 Chemie

Hunold, S., & Hagn, M. (2023). MPI is Good, Control is Better: Checking Performance Guidelines of Collectives. In E. Reiter (Ed.), Austrian-Slovenian HPC Meeting 2023 - ASHPC23 (pp. 60–60). EuroCC Austria. <https://doi.org/10.34726/5367>

[Link](#)

102 Informatik

Hunold, S., Vardas, I., Ibis, G., & Langer, T. (2023). Massively Scaling Molecular Screening Workloads on EuroHPC Supercomputers. In E. Reiter (Ed.), Austrian-Slovenian HPC Meeting 2023 - ASHPC23 (pp. 51–51). EuroCC Austria. <https://doi.org/10.34726/5366>

[Link](#)

102 Informatik

Swartvagher, P., Vardas, I., Hunold, S., & Träff, J. L. (2023). Rank Reordering within MPI Communicators to Exploit Deep Hierarchical Architectures of Supercomputers. In E. Reiter (Ed.), Austrian-Slovenian HPC Meeting 2023 - ASHPC23 (pp. 61–61). EuroCC Austria. <https://doi.org/10.34726/5368>

[Link](#)

102 Informatik

Weingartshofer, T., & Kugi, A. (2023). Optimale Pfadplanung für industrielle Fertigungsprozesse mit komplexen kontinuierlichen Pfaden. In Kurzfassungen der Vorträge des 57. Regelungstechnischen Kolloquium. 57. Regelungstechnisches Kolloquium, Boppard, Germany.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hellmich, C., Kalliauer, J., Ukaj, N., & Scheiner, S. (2023). Complex Biomechanics: From Atoms to Patients. In MRS Fall Meeting 2023 - Abstract Book. 2023 MRS Fall Meeting, Boston, MA, United States of America (the).

[Link](#)

206 Medizintechnik

Wagner, A., & Scheiner, S. (2023). Predicting the growth of wood structures based on a micromechanics-informed beam model. In EMI 2023 IC Book of Abstracts. Engineering Mechanics Institute International Conference 2023, Palermo, Italy.

[Link](#)

107 Andere Naturwissenschaften

201 Bauwesen

203 Maschinenbau

Delshadmanesh, M., Lederer, M., Frank, J., & Khatibi Damavandi, G. (2023). Study of fatigue life and fatigue notch sensitivity of biocompatible Co-Cr alloy L605. In Z. Bozic, S. Schmauder, M. Vrdoljak, & M. Andric (Eds.), International Conference on Structural Integrity and Durability 2023?: Book of Abstracts (pp. 25–25). University of Zagreb.

[Link](#)

103 Physik, Astronomie

104 Chemie

Scheiner, S., Hellmich, C., & Filipovic, N. (2023). Assessing the mechanical stimuli of bone remodeling through multiscale, micromechanics-inspired modeling. In EMI 2023 IC?: Book of Abstracts. Engineering Mechanics Institute International Conference 2023, Palermo, Italy.

[Link](#)

106 Biologie

201 Bauwesen

Kornfellner, E., & Scheiner, S. (2023). Piezoelectric excitation of bone metabolism scrutinized by means of

multiscale modeling. In C. Hellmich & S. Scheiner (Eds.), X International Conference on Computational Bioengineering?: Programme & Book of Abstracts (pp. 47–48).

[Link](#)

106 Biologie

206 Medizintechnik

Costa, B., Liberto, T., Bellotto, M. P., & Robisson, A. (2023). Eco-sustainable binder for masonry consolidation. In N. Shkodrani, J. Gjipalaj, & O. Marko (Eds.), Proceedings of the International Conference of Civil Engineering?: ICCE 2023 (pp. 444–444).

[Link](#)

104 Chemie

201 Bauwesen

205 Werkstofftechnik

Bartlechner, J., Vrljic, M., Hametner, C., & Jakubek, S. (2023). Real-time estimation of degradation in PEM fuel cells. In V. Cigolotti & F. Marino (Eds.), Proceedings of the 10th European Fuel Cell Piero Lunghi Conference (pp. 177–178). ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development.

[Link](#)

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Hermann, D.-R., Ramer, G., & Lendl, B. (2023). Towards chiral monitoring - Quantum cascade lasers for rapid vibrational circular dichroism. In Anakon 2023 Book of Abstracts (pp. 428–428). TU Wien.

[Link](#)

103 Physik, Astronomie

104 Chemie

Wang, B.-Y., Bhuckory, M. B., Chen, Z. C., Shin, A., Jensen, N., Galambos, L., Mathieson, K., Kamins, T., Werginz, P., & Palanker, D. (2023). The role of stimulation selectivity in visual acuity with subretinal prostheses. In ARVO 2023. ARVO Annual Meeting 2023, New Orleans, United States of America (the). ARVO.

[Link](#)

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Willner, J., Varain, L., Nelhiebel, M., Larisegger, S., & Limbeck, A. (2023). Investigation of metal diffusion into polymer films by measurement of quantitative LA-ICP-MS depth profiles. In Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 319–319). National Institute of Chemistry.

[Link](#)

104 Chemie

Wodak, I., Yakymovych, A., & Khatibi Damavandi, G. (2023). Hybrid Solder Joints: Morphology and Mechanical Properties of lead-free Sn-3.0Ag-0.5Cu Solders prepared with Fe-NPs doped Flux. In B. Mihailescu, C. Marghescu, & H. Wohlrabe (Eds.), ISSE 2023 - 46th International Spring Seminar on Electronics Technology “Revolutionizing the Electronic Ecosystems - Chiplet and Heterogeneous Inegration” (pp. 148–149). Editura Politehnica.

[Link](#)

104 Chemie

Veliiov, V. (2023). Strong Subregularity of Variational Inequalities: General Results and Case Studies. In Large-Scale Scientific Computations LSSC'23?: Scientific Program, Abstracts, List of Participants (pp. 77–77).

[Link](#)

101 Mathematik

Angelov, G., Kovacevic, R., Stilianakis, N. I., & Veliov, V. (2023). Vaccination and Waning Immunity Model for Covid-19. In Large-Scale Scientific Computations LSSC'23?: Scientific Program, Abstracts, List of Participants (pp. 25–25).

[Link](#)

101 Mathematik

Corna, A., Cojocaru, A.-E., & Zeck, G. M. (2023). A window of opportunity for localized epiretinal electrical stimulation? In Abstracts of the 57th Annual Meeting of the German Society of Biomedical Engineering 26 – 28 September 2023, Duisburg, including: The Artificial Vision Symposium – The International Symposium on Visual Prosthetics. 57th Annual Meeting of the German Society of Biomedical Engineering?: including: The Artificial Vision Symposium – The International Symposium on Visual Prosthetics, Duisburg, Germany. De Gruyter.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

206 Medizintechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Diaz Flores, R., Donev, V., Aminbaghai, M., Eberhardsteiner, L., Zelaya Lainez, L. H., Höller, R., Hellmich, C., Blab, R., Buchta, M., & Pichler, B. (2023). Falling Weight Deflectometer tests on multi-layered pavements: design and evaluation of innovative experiments. In ASCE Engineering Mechanics Institute 2023 Conference?: Book of Abstracts (pp. 343–343).

[Link](#)

201 Bauwesen

Binder, E., Königsberger, M., Diaz Flores, R., Mang, H., Hellmich, C., & Pichler, B. (2023). Thermal Activation of Creep of Mature Cement Paste: Creep Experiments and Multiscale-Mechanics Relation to Molecular Properties. In ECCOMAS MSF 2023?: 6th International Conference on Multi-Scale Computational Methods for Solids and Fluids?: Proceedings (pp. 83–83). University of Sarajevo.

[Link](#)

201 Bauwesen

Diaz Flores, R., Aminbaghai, M., Eberhardsteiner, L., Blab, R., Buchta, M., & Pichler, B. (2023). Multi-Directional Falling Weight Deflectometer Tests as the Basis for Quantifying Subgrade Properties of Rigid Pavements. In Book of Abstracts of the 20th International Conference on Experimental Mechanics Applications in Materials Science, Engineering and Biomechanics. 20th International Conference on Experimental Mechanics Applications in Materials Science, Engineering and Biomechanics, Porto, Portugal.

[Link](#)

201 Bauwesen

Gavioli, C., & Krejci, P. (2023). Controllability of PDEs with hysteresis. In Digital Book of Abstracts: 13th International Symposium on Hysteresis Modeling and Micromagnetics (HMM 2023). 13th International Symposium on Hysteresis Modeling and Micromagnetics (HMM 2023), Vienna, Austria. <https://doi.org/10.34726/5318>

[Link](#)

101 Mathematik

Synek, A., Ortner, L. U., & Pahr, D. (2023). Towards unbiased and accurate simulations of screw-bone constructs with homogenized FE models. In ESB 2023?: 28th Congress of the European Society of Biomechanics?: Abstracts. 28th Congress of the European Society of Biomechanics, Maastricht, Netherlands (the). European Society of Biomechanics.

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften
305 Andere Humanmedizin, Gesundheitswissenschaften

Stefanek, P., Pahr, D., & Synek, A. (2023). Simplified screw-bone interface models for computationally efficient μ FE simulations. In ESB 2023?: 28th Congress of the European Society of Biomechanics?: Abstracts. 28th Congress of the European Society of Biomechanics (ESB2023), Maastricht, Netherlands (the). European Society of Biomechanics.

[Link](#)

203 Maschinenbau
211 Andere Technische Wissenschaften
305 Andere Humanmedizin, Gesundheitswissenschaften

Synek, A., Schwarz, G., Reisinger, A., Huber, S., Nürnberger, S., Hirtler, L., Hofstätter, J., & Pahr, D. (2023). Predicting femoral bone strength after cephalomedullary nail removal with FE models using pre-operative CT scans. In X International Conference on Computational Bioengineering (ICCB 2023?): Programme & Book of Abstracts (pp. 33–33).

[Link](#)

203 Maschinenbau
211 Andere Technische Wissenschaften
305 Andere Humanmedizin, Gesundheitswissenschaften

Francesco, R. G., Girorgio, M., Picotti, S., Fischanger, F., Morelli, G., Flores-Orozco, A., Souza de Araujo, O., Moser, C., Bondesan, A., Bocchia, F., & Meneghini, F. (2023). Comprehensive electrical imaging of the ridge below the ancient church of Saint Martin (Dolomites, Italy). In V. Tofani & N. Casagli (Eds.), *Landslide Science for Sustainable Development?: Proceedings of the 6th World Landslide Forum*. Florence Italy, 14-17 November 2023. Abstract book (pp. 67–67). International Consortium on Landslides.

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Key, F. (2023). Formulating Structural Design Optimization Problems for Quantum Annealing. In INQA Conference 2023 - Quantum Annealing: New Platforms and Algorithms?: Talk abstracts. International Network on Quantum Annealing Conference (INQA) 2023, Innsbruck, Austria.

[Link](#)

102 Informatik
203 Maschinenbau
211 Andere Technische Wissenschaften

Redlein, A., & Stopajnik, E. (2023). The Impact of the Financial Crisis of 2008/09 on Employment in the Outsourced Facility Service Sector in the US. In 2023 Academy of Business Economics Conference Program and Proceedings. The 59th MBAA International Conference: Quality Higher Education in a Post-Pandemic World, Chicago, United States of America (the).

[Link](#)

102 Informatik
211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Stopajnik, E., & Redlein, A. (2023). The Impact of COVID-19 on the Outsourced Facility Service Sector in Austria. In 44th EBES Conference - Program and Abstract Book (pp. 74–74). EBES.

[Link](#)

102 Informatik
211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Pahr, D., Bachmann, S., & Synek, A. (2023). Mixed uniform boundary conditions improve homogenized

FE models of bone-screws and inverse remodelling. In ESB 2023?: 28th Congress of the European Society of Biomechanics?: Abstracts. 28th Congress of the European Society of Biomechanics (ESB2023), Maastricht, Netherlands (the). European Society of Biomechanics.

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

305 Andere Humanmedizin, Gesundheitswissenschaften

Codecasa, L., Kapidani, B., Schöberl, J., & Wess, M. (2023). High-order cell methods for time-dependent Maxwell equations. In ANADAY 2023?: 17th Austrian Numerical Analysis Day?: Book of Abstracts (pp. 26–26).

[Link](#)

101 Mathematik

Edthofer, A., Feldhammer, I., Fenzl, T., Körner, A., & Kreuzer, M. (2023). Permutation Entropy as a Conceptual Model to Analyse Brain Activity in Sleep. In EUROSIM 2023 Abstract Volume, 11th EUROSIM Congress (pp. 18–18).

[Link](#)

101 Mathematik

Horvath, C., Körner, A., & Modiz, C. (2023). Data-based Model Identification of the Hypothalamus-Pituitary-Thyroid Complex. In EUROSIM 2023 Abstract Volume, 11th EUROSIM Congress (pp. 88–88).

[Link](#)

101 Mathematik

Edthofer, A., Feldhammer, I., Hasil, S., Horvath, C., Körner, A., Medo, L., Modiz, C., & Reisz, P. (2023). Technology-supported Teaching of Modeling and Simulation in Inverted Classroom Format. In M. Mujica Mota, A. A. Mendoza, & P. L. Scala (Eds.), Abstract Volume: Congress EUROSIM 2023: Simulation for a Sustainable Future (pp. 82–82).

[Link](#)

101 Mathematik

Haslinger, C., Leutgeb, L. P., Mitterbauer, M., Baudis, S., & Liska, R. (2023). Recent Developments of long Wavelength Photoinitiators for Radical Polymerization. In RadTech Europe 2023?: Abstract Book (pp. 92–92). <http://hdl.handle.net/20.500.12708/192904>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Besau, F. G., Hack, T., Pivovarov Peter, & Schuster, F. (2023). Spherical centroid bodies. In ÖMG Tagung 2023 Programme and Book of Abstracts (pp. 40–40).

[Link](#)

101 Mathematik

Thrainer, L., & Redlein, A. (2023). A Changing Landscape of Workplaces – Perceptions on Work Environments by Different Management-Levels within the DACH-Region. In 45th EBES Conference - Program and Abstract Book (pp. 88–88). EBES.

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Fantoni, A., Koch, T., Liska, R., & Baudis, S. (2023). Towards High-Performance Thermosets from Renewable Resources: Development of a Sustainable Material Platform using Epoxy-Alcohol

Polyaddition. In RadTech Europe Conference and Exhibition 2023?: Abstract Book (pp. 75–75).

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Razgordanisharahi, A., Sorgner, M., Pichler, B., Pigerstorfer, T., Moritz, A. B., & Hellmich, C. (2023). Estimation of Load Levels in Segmented Tunnel Shells: Creep Mechanics-Informed Evaluation of Strain Measurements. In A. Ibrahimbegovic, S. Dolarevic, & M. Cohodar-Husic (Eds.), ECCOMAS MSF 2023?: 6th International Conference on Multi-Scale Computational Methods for Solids and Fluids?: Proceedings (pp. 32–33). University of Sarajevo.

[Link](#)

201 Bauwesen

Ajanovic, A., Sayer, M. S., & Haas, R. (2023). Role of the transport sector in hydrogen energy system. In K. Erol (Ed.), 11th European Conference on Renewable Energy Systems?: Proceedings (pp. 15–15). ECRES.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Cupak, C., Lopez-Cazalilla, A., Granberg, F., Aumayr, F., Biber, H. A., Brötzner, J., Fellingner, M., Szabo, P. S., & Gonzalez-Arrabal, R. (2023). Effects of surface roughness on W sputtering. In 2nd Technical Meeting on the Collisional-Radiative Properties of Tungsten and Hydrogen in Edge Plasma of Fusion Devices?: Book of Abstracts (pp. 2–3).

[Link](#)

103 Physik, Astronomie

Böhm, S., & McCallum, L. (2023). Earth orientation parameters estimated from recent Australian mixed-mode and Southern Intensive sessions. In 26th European VLBI Group for Geodesy and Astronomy Working Meeting. Information and book of abstracts (pp. 5–5).

[Link](#)

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Faustmann, M., Marcati, C., Melenk, J. M., & Schwab, C. (2023). Exponential convergence of hp-FEM for the integral fractional Laplacian. In Book of Abstract: 9th International Conference on High Order Finite Element and Isogeometric Methods (pp. 47–47).

[Link](#)

101 Mathematik

Mandlbürger, G., Pfennigbauer, M., Schwarz, R., & Pöppel, F. (2023). A decade of progress in topobathymetric laser scanning exemplified by the pielach river dataset. In ISPRS Geospatial Week 2023 (pp. 1123–1130). International Society for Photogrammetry and Remote Sensing. <https://doi.org/10.5194/isprs-annals-X-1-W1-2023-1123-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kilian, M., Nawratil, G., Raffaelli, M., Rasoulzadeh, A., & Sharifmoghaddam, K. (2023). Interactive design of discrete Voss nets and simulation of their rigid foldings. In CGTA 2023?: Conference on Geometry: Theory and Applications?: Abstracts (pp. 53–53).

[Link](#)

101 Mathematik

102 Informatik

Kapilavai, A., & Nawratil, G. (2023). Singularity Distance Computation for Parallel Manipulators of Stewart-Gough Type. In *CGTA 2023?: Conference on Geometry: Theory and Applications?: Abstracts* (pp. 48–48).

[Link](#)

101 Mathematik

102 Informatik

Feiginov, M., Ourednik, P., & Nguyen, D. T. (2023). Improved Performance of THz Resonant-Tunneling-Diode Oscillators. In *10th International Symposium on Terahertz-Related Devices and Technologies?: TeraTech2023?: Technical Digest* (pp. 64–64).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Destefani, C. F., Villani, M., Cartoixà, X., Feiginov, M., & Oriols, X. (2023). Polaritonic features in the THz displacement current through RTDs in microcavities. In *Book of abstracts of the International Workshop on Computational Nanotechnology 2023* (pp. 142–143).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Yakymovych, A., Goh, Y., Kamaruzzaman L.S., Wodak, I., & Khatibi Damavandi, G. (2023). Hybrid solder joints: Effects of Fe nanoparticle-doped flux on morphology and hardness of SAC305 solder joints. In *International research and practice conference “Nanotechnology and Nanomaterials”*: Book of Abstract (pp. 84–84).

[Link](#)

104 Chemie

Hermann, D.-R., Riedlsperger, L., Ramer, G., & Lendl, B. (2023). Quantum cascade laser based vibrational circular dichroism and its potential for chiral monitoring. In *Book of Abstracts - Junganalytiker*innen Forum 2023* (pp. 40–40).

[Link](#)

104 Chemie

Hermann, D.-R., Ramer, G., Riedlsperger, L., & Lendl, B. (2023). Chiral sensing for liquid analysis – Synergies between Quantum Cascade Lasers and Vibrational Circular Dichroism. In *ICAVS12: 12th International Conference on Advanced Vibrational Spectroscopy: Abstract Book* (pp. 344–344). Faculty of Chemistry Jagiellonian University in Krakow.

[Link](#)

103 Physik, Astronomie

104 Chemie

Vetyukov, Y., & Humer, A. (2023). Sliding flexible rods: non-material finite elements and configurational forces. In M. Arnold, G. Jelenic, & E. Papa Dukic (Eds.), *Book of extended abstracts?: HFSS 2023, International Conference on Highly Flexible Slender Structures* (pp. 107–108). <https://doi.org/ISBN978-953-6953-61-5>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Li, Q., Böhm, J., Yuan, L., & Weber, R. (2023). Modeling of the weighted mean temperature based on the random forest machine learning approach. In *EGU General Assembly 2023. EGU General Assembly 2023, Vienna, Austria. EGU.* <https://doi.org/10.5194/egusphere-egu23-17204>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Platz, D., Loch Gesing, A., Ignat, I., Demattio, D., & Schmid, U. (2023). Non-slender MEMS resonators for advanced AFM applications. In 9th Multifrequency AFM Conference - Book of Abstract (pp. 26–26).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Liberto, T., Dziadkowiec, J., Valtiner, M., & Robisson, A. (2023). Detecting early-stage cohesion due to calcium silicate hydration with rheology and surface forces apparatus. In International Congress on Rheology (ICR 2023) Book of Abstracts (pp. 314–314).

[Link](#)

103 Physik, Astronomie

104 Chemie

201 Bauwesen

Gerencser, M., Lampl, G., & Ling, C. (2023). Milstein scheme for SDEs with irregular drift. In MCM23: Book of Abstracts (pp. 32–32).

[Link](#)

101 Mathematik

Besau, F. G. (2023). Weighted floating bodies and polarity. In INdAM Meeting: “Convex Geometry - Analytic Aspects”?: Book of Abstracts (pp. 9–9).

[Link](#)

101 Mathematik

Besau, F. G. (2023). Floating bodies and polarity on the unit sphere. In Geometric Valuation Theory - from convex sets to functions?: Book of abstracts (pp. 1–1).

[Link](#)

101 Mathematik

Nanjappan, C., Pfusterschmied, G., & Schmid, U. (2023). Electrical Characterization of the SiO₂/4H-SiC Interface. In Sensor and Measurement Science International (SMSI 2023) (pp. 235–236). <https://doi.org/10.5162/SMSI2023/D5.3>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Dubek, K., Schneidhofer, C., Dörr, N., & Schmid, U. (2023). Robust Sensor System for Condition Monitoring of Lubricated Rail Vehicle Components. In Sensor and Measurement Science International (SMSI 2023) (pp. 102–103). <https://doi.org/10.5162/SMSI2023/B3.2>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kawakami Pacheco, L. (2023). The μ -calculus' collapse on variations of S5. In Logic Colloquium 2023 European Summer Meeting of the Association for Symbolic Logic: Book of Abstract (pp. 150–150).

[Link](#)

101 Mathematik

102 Informatik

Hinkov, B., David, M., Pilat, F., Schwaighofer, A., Marschick, G., Arigliani, E., Lustoza de Souza, P., Doganlar Ismail C., Gsodam, X., Dabrowska, A., Wacht, D., Sistani, M., Nazzari, D., Disnan, D., Detz, H., Andrews, A. M., Schmid, U., Weber, W. M., Schwarz, B., ... Strasser, G. (2023). On-chip Liquid Sensing using Mid-IR Plasmonics. In Optica Sensing Congress 2023 (AIS, FTS, HISE, Sensors, ES). Optics and Photonics for Sensing the Environment 2023, München, Germany. Optica Publishing Group. <https://doi.org/10.1364/ES.2023.EW3E.3>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Steinhauser, G. (2023). Current state of Zaporizhzhia NPP and other nuclear risks in Ukraine. In 7th International Conference on Environmental Radioactivity (pp. 164–164).

[Link](#)

103 Physik, Astronomie

104 Chemie

Steinhauser, G., Stäger, F., Zok, D., & Feng, B. (2023). Using $^{135}\text{Cs}/^{137}\text{Cs}$ as a signature in environmental nuclear forensics. In Book of Abstracts?: 3rd International Conference on Radioanalytical and Nuclear Chemistry (pp. 10–10). Akadémiai Kiadó.

[Link](#)

103 Physik, Astronomie

104 Chemie

Steiner, S., de Oliveira Gomes, R., Beyerle, G., Dimitrov, D., & Zabloudil, J. (2023). Time Series in HPC: An exploratory study with distributed time series data for energy use cases. In E. Reiter (Ed.), Austrian-Slovenian HPC Meeting 2023 - ASHPC23. EuroCC Austria. <https://doi.org/10.34726/5447>

[Link](#)

101 Mathematik

102 Informatik

103 Physik, Astronomie

Scheck, E. T., Ledermann, F., Binn, A., & Dörk, M. (2023). Mapping public space in urban neighbourhoods using OpenStreetMap data. In M. Minghini, H. Li, A. Y. Grinberger, P. Liu, G. Yeboah, L. Juhász, S. Coetzee, P. Mooney, A. Sarretta, & J. Anderson (Eds.), Proceedings of the OSM Science at State of the Map Europe 2023 (pp. 33–37). Eigenverlag. <https://doi.org/10.5281/zenodo.10443326>

[Link](#)

102 Informatik

105 Geowissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Dabrowska, A., & Lendl, B. (2023). Mid-IR Dispersion Spectroscopy – A Powerful Tool for Liquid-Phase Chemical Analysis. In 12th International Conference on Advanced Vibrational Spectroscopy (ICAVS12) - Abstract Book (pp. 137–137).

[Link](#)

104 Chemie

Fried, S., Lee, J., & Werginz, P. (2023). Factors underlying sensitivity differences to high frequency stimulation across RGC types. In Abstracts of the 57th Annual Meeting of the German Society of Biomedical Engineering 26 – 28 September 2023, Duisburg, including: The Artificial Vision Symposium – The International Symposium on Visual Prosthetics (pp. 254–254). De Gruyter. <https://doi.org/10.1515/bmte-2023-2001>

[Link](#)

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Ableidinger, K., & Liska, R. (2023). New Initiation Systems for Step-Growth Photopolymerization. In RadTech Europe Conference and Exhibition 2023?: Abstract Book (pp. 58–58). <https://doi.org/10.34726/5487>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Bakovic, T., Robisson, A., Preinstorfer, P., & Liberto, T. (2023). Rheological Characterization of Clay

pastes for Sustainable Pourable Clay Concrete. In U. Windberger (Ed.), 2nd Annual Conference of the Austrian Society for Rheology (pp. 16–16).

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dabrowska, A., Schwaighofer, A., & Lendl, B. (2023). Mid-Infrared Dispersion Spectroscopy – A New Avenue for Liquid Phase Analysis (IR-12.1). In SciX2023 - Abstract Book (pp. 218–218).

[Link](#)

104 Chemie

Fitzka, M., Simon, Z., Marischler, M., Scheerer, M., Rohr, T., Girolamo, D., Liska, R., & Knaack, P. (2023). Cationic Frontal Polymerization - Fit for Industrial Applications? In RadTech Europe Conference and Exhibition 2023?: Abstract Book (pp. 60–60).

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Göschl, M., Taschner, R., Koch, T., Wolff, R., Liska, R., & Knaack, P. (2023). High-performance Sulfonium Borate Initiators for Hot Lithography. In RadTech Europe Conference and Exhibition 2023?: Abstract Book (pp. 32–32). <http://hdl.handle.net/20.500.12708/192739>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Aigner, E., Görg, C., Madner, V., Muhar, A., Novy, A., Posch, A., Steininger, K., Bohunovsky, L., Essletzichler, J., Fischer, K., Frey, H., Haas, W., Haderer, M., Hofbauer, J., Hollaus, B., Jany, A., Keller, L., Kubeczko, K., Miess, M., ... Wieser, H. (2023). APCC Special Report: Strukturen für ein klimafreundliches Leben: Zusammenfassung für Entscheidungstragende. In Tagungsband 23. Klimatag?: Ressourcen im Wandel (pp. 52–53). <http://hdl.handle.net/20.500.12708/192498>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Brauner, L., & Ortega Moreno, O. A. (2023). Fixed Points of Mean Section Operators. In ÖMG-Tagung 2023?: Book of Abstracts (pp. 39–39).

[Link](#)

101 Mathematik

Brauner, L., & Ortega Moreno, O. A. (2023). Fixed Points of Mean Section Operators. In Miniworkshop Modern Valuation Theory 2023 (pp. 6–6).

[Link](#)

101 Mathematik

Imran, F., & Harasek, M. (2023). Key Technologies for Sustainable Pharmaceutical Manufacturing: A Review. In 18th Conference on Sustainable Development of Energy, Water and Environment Systems?: Book of Abstracts (pp. 594–594). Faculty of Mechanical Engineering and Naval Architecture.

[Link](#)

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Ellmeyer, S. (2023). Complex Lp-Intersection Bodies. In Miniworkshop Modern Valuation Theory (pp. 7–

7).

[Link](#)

101 Mathematik

Girlando, M., Kuznets, R., Marin, S., Morales, M., & Straßburger, L. (2023). Decidability of intuitionistic S4. In *Logica 2023. Abstracts* (pp. 32–33). <https://doi.org/10.34726/5418>

[Link](#)

102 Informatik

Vierheilig, J., Dielacher, I., Slipko, K. A., Galazka, S., Woegerbauer, M., Krampe, J., & Kreuzinger, N. (2023). Surveillance of antibiotic resistance genes in Austrian wastewater treatment plants within the Danube river basin. In *44th IAD Conference?: Tackling Present & Future Environmental Challenges of a European Riverscape?: Conference Book* (pp. 23–23).

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schachner-Gröhs, I., Kolm, C., Vierheilig, J., Leopold, M., Zarfel, G., Koller, M., Kittinger, C., Jakwerth, S., Linke, R. B., Kolarevic, S., Kracun-Kolarevic, M., Toth, E., Farnleitner, A., & Kirschner, A. K. T. (2023). Occurrence of antibiotic resistance genes along gradients of faecal pollution in water and biofilm samples from the whole Danube river. In *44th IAD Conference?: Tackling Present & Future Environmental Challenges of a European Riverscape?: Conference Book* (pp. 25–25).

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Mettra, F., Bouffard, D., Reiss, R. S., Lemmin, U., Doda, T., Blanckaert, K., & Barry, D. A. (2023). Effects of strong Wind-driven Currents on Winter Cascading in Lake Geneva during a cold Spell. In *Abstract volume 21st Swiss Geoscience Meeting* (pp. 418–418). Swiss Academy of Sciences.

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sauter, G., Bouffard, D., Blanckaert, K., & Kremer, K. (2023). Monitoring of river-induced bottom currents in Swiss lacustrine deltas. In *Abstract Volume 21st Swiss Geoscience Meeting* (pp. 435–435). Swiss Academy of Sciences (SCNAT).

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kojic, D., Ehrmann, K., Wolff, R., Mete, Y. D., Koch, T., Stampfl, J., Baudis, S., & Liska, R. (2023). 3D-Printing of Degradable Polyether-esters via Cationic Ring-Opening Polymerization of Spirocyclic Compounds. In *RadTech Europe 2023?: Abstract Book* (pp. 21–21). <http://hdl.handle.net/20.500.12708/192340>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Ameen, A., Bromberger, B., Mester, P., Kirschner, A. K. T., Blaschke, A., & Stevenson, M. (2023). Co-transport of Microplastics and a surrogate for Human Enteric Viruses in a saturated column packed with Quartz Sand. In E. Chi Fru, A. Chik, & F. Colwell (Eds.), *2nd Joint Symposium of Environmental Biogeochemistry and Subsurface Microbiology*. <https://doi.org/10.3897/aca.6.e108005>

[Link](#)

105 Geowissenschaften
201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Devau, N., Mertz Samuel, Thouin, H., Djemil, M., Colombano, S., Togola, A., Lion, F., Derx, J., Oudega, T. J., Bosch, C., & Lions, J. (2023). Towards a robust reactive transport model to simulate fate and transport of PFAS from surface to groundwater. In Goldschmidt Abstracts 2023. Goldschmidt 2023, Lyon, France. <https://doi.org/10.7185/gold2023.19726>

[Link](#)

105 Geowissenschaften
201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Svanda, N., & Zech, S. (2023). From integrated planning to transformation pathways for climate friendly spatial structures: Austria on the way. In 35th AESOP Annual Congress. Integrated planning in a world of turbulence. Book of Abstracts (pp. 86–87).

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung

Kornpointner, C., Miksovsky, P., Rabeeah, I. A. M., Murray, H., Gössinger, M., Haselmair-Gosch, C., Stich, K., Schröder, K., & Halbwirth, H. (2023). Enzyme-assisted supercritical fluid extraction (EAE-SFE) of dihydrochalcones from apple pomace. In S. Guyot, K. Wähälä, & D. Barron (Eds.), ICP2023 Abstracts (pp. 239–239). International Association of Groupe Polyphenols.

[Link](#)

106 Biologie
204 Chemische Verfahrenstechnik
209 Industrielle Biotechnologie

Zavarise, A., Halbwirth, H., & Molitor, C. (2023). Novel affinity-based purification of plant PPOs and enzymatic characterization of strawberry PPO isoforms. In S. Guyot, K. Wähälä, & D. Barron (Eds.), ICP2023 Abstracts (pp. 187–187). International Association of Groupe Polyphenols.

[Link](#)

106 Biologie
204 Chemische Verfahrenstechnik
209 Industrielle Biotechnologie

Dhar, S., Liberto, T., Machado-Charry, E., Schennach, R., & Robisson, A. (2023). Spherical balls settling through a quiescent cement paste. In 2023 Annual Meeting of the GDR Sophy Soft Physics for Hard Materials. 2023 Annual meeting of the GDR SoPhy, Lyon, France.

[Link](#)

201 Bauwesen
205 Werkstofftechnik

Dumke, H., Youssef, D., & Bußwald, P. (2023). Modelling an Energy Scenario regionally: The digital Toolbox for Transition. In 35th AESOP Annual Congress. Integrated planning in a world of turbulence. Book of Abstracts (pp. 1267–1268).

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung

Luznik, M., Lientschnig, G., Taupin, M., Steiger-Thirsfeld, A., Yan, X., Prokofiev, A., & Bühler-Paschen, S. (2023). Suppressing the thermal conductivity of type-I clathrates by mesostructuring. In C. Drasar & J.

Hejtmánek (Eds.), 19th European Conference on Thermoelectrics?: Book of Abstracts (pp. 117–117).
University of Pardubice.

[Link](#)

103 Physik, Astronomie

Mairhofer, K., Larisegger, S., & Fafilek, G. (2023). Clarification of the Reaction Mechanism of the Photoassisted Anodic Oxidation of SiC in a Newly Developed Inverted Rotating Disk Electrode Cell Setup. In 243rd ECS Meeting with the Eighteenth International Symposium on Solid Oxide Fuel Cells (pp. 2545–2545). ECS Transactions. <https://doi.org/10.1149/MA2023-01482545mtgabs>

[Link](#)

104 Chemie

Reinbold, J., Boiadjieva-Scherzer, T., Stache, H., Vengudusamy, B., & Fafilek, G. (2023). Influence of Frictional Heat on Hydrogen Permeation Measurements. In 243rd ECS Meeting with the Eighteenth International Symposium on Solid Oxide Fuel Cells. 243rd ECS Meeting and SOFC-XVIII 2023, Boston, United States of America (the). ECS Transactions. <https://doi.org/10.1149/MA2023-01482547mtgabs>

[Link](#)

104 Chemie

Opacak, N., Kazakov, D., Columbo, L., Dal Cin, S., Beiser, M., Pilat, F., Letsou, T., Brambilla, M., Prati, F., Piccardo, M., Capasso, F., & Schwarz, B. (2023). Mid-Infrared Semiconductor Laser Frequency Combs: From FM-Combs to Nozaki-Bekki Solitons. In 16th International Conference on Mid-Infrared Optoelectronics: Materials and Devices (MIOMD 2023) - Technical Program (pp. 13–13).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Eiter, T., & Geibinger, T. (2023). Explaining Answer-Set Programs with Abstract Constraint Atoms (Extended Abstract). In Proceedings of the 2nd Workshop on Challenges and Adequacy Conditions for Logics in the New Age of Artificial Intelligence (ACLAI 2023) (pp. 1–6).

[Link](#)

101 Mathematik

102 Informatik

Sallinger, E. (2023). Knowledge Graphs in Action: from Theory to Systems and Real-world Applications (Abstract). In Proceedings of the 15th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW 2023). AMW 2023 - Alberto Mendelzon International Workshop on Foundations of Data Management, Santiago de Chile, Chile. <http://hdl.handle.net/20.500.12708/192767>

[Link](#)

101 Mathematik

102 Informatik

Reumann, N., Yan, X., Luznik, M., Kirschbaum, D. M., Zocco, D. A., Eguchi, G., Prokofiev, A., & Bühler-Paschen, S. (2023). Hall effect measurements as a probe for Weyl-Kondo semimetals. In Topological Matter School 2023?: Optical and electronic responses of Topological Matter. Topological Matter School 2023 (TMS23), Spain.

[Link](#)

103 Physik, Astronomie

Schlossnikl, J., Bichler, L. P., Jahn, E., Pinter, E., Krempl, N., Archodoulaki, V.-M., & Eder, A. (2023). Pack2theLoop – Herausforderungen beim Schließen des Kunststoff Kreislaufs. In Österreichische Abfallwirtschaftstagung 2023 Postersession?: Book of Abstracts. Österreichische Abfallwirtschaftstagung 2023, Alpbach, Austria.

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Tripkovic, S., Svoboda, P., & Rupp, M. (2023). Measuring the Effects of AoA on Vehicle Penetration Loss in Cellular Networks. In 2023 IEEE 98th Vehicular Technology Conference (VTC2023-Fall) (pp. 1–7). IEEE. <https://doi.org/10.1109/VTC2023-Fall60731.2023.10333537>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Moghadas, E., Reitner, M., Watzenböck, C. U., Sangiovanni, G., & Toschi, A. (2023). Long-Term Memory Magnetic Correlations driven by Local Electronic Correlations. In Verhandlungen der Deutschen Physikalischen Gesellschaft (pp. 758–758).

[Link](#)

103 Physik, Astronomie

Mayer, F., Ehrmann, K., & Liska, R. (2023). Interpenetrating Polymer Networks for Hot Litography with High Strength and High Toughness. In Polymer Meeting 15?: Book of Abstracts (pp. 71–71). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

El Chabaan, G. (2023). Nonlinear Vibrations of Bimodular Beam by Means of Isogeometric Analysis. In 93rd Annual Meeting of the International Association of Applied Mathematics and Mechanics?: Book of Abstracts (pp. 201–201). GAMM.

[Link](#)

201 Bauwesen

Ableidinger, K., Ehrmann, K., Fitzka, M., Baudis, S., & Liska, R. (2023). Dynamic Thermoplastic Polyurethane Ureas as Self-Reinforcing and Biodegradable Materials. In Polymer Meeting 15?: Book of Abstracts (pp. 107–107). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Fitzka, M., Berk, O., Liska, R., & Baudis, S. (2023). Development of photopolymerizable precursors for self-reinforcing networks for 3D printing. In Polymer Meeting 15?: Book of Abstracts (pp. 104–104). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Pieringer, F., Catel, Y., Liska, R., Moszner, N., & Knaack, P. (2023). Group Transfer Polymerization in Bulk Methacrylates. In Polymer Meeting 15?: Book of Abstracts (pp. 98–98). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Knaack, P. (2023). Frontal Polymerization. In Polymer Meeting 15?: Book of Abstracts (pp. 65–65). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Mete, Y. D., Wolff, R., Schandl, S., Kojic, D., Klikovits, N., Koch, T., Ehrmann, K., Knaack, P., Stampfl, J., & Liska, R. (2023). New Polymer Materials by Ionic and Catalytic Photopoly-Merization Using Hot

Lithography. In Polymer Meeting 15?: Book of Abstracts (pp. 29–29). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Kirschbaum, D. M., Zocco, D. A., Strydom, A. M., Larrea Jimenez, J. A., Yan, X., Prokofiev, A., & Bühler-Paschen, S. (2023). Pressure tuning of the Weyl-Kondo semimetal candidate CeRu₄Sn₆. In Abstract book of the Young researchers online workshop on Topology and Superconductivity in Strongly Correlated f-electron Materials (pp. 23–23).

[Link](#)

103 Physik, Astronomie

Kirschbaum, D. M., Zocco, D. A., Mazza, F., Strydom, A. M., Larrea Jimenez, J. A., Yan, X., Prokofiev, A., & Bühler-Paschen, S. (2023). Pressure-tuning the Weyl-Kondo semimetal candidate material CeRu₄Sn₆. In Topological Matter School - Optical and electronic responses of Topological Matter (pp. 39–39).

[Link](#)

103 Physik, Astronomie

Andrade Silva Alves, G., Pacholik, G., Wagner, T., Pollitt, S., Rameshan, R., Rameshan, C., & Föttinger, K. (2023). Mn-promoted MoS₂ as a catalyst for CO₂ hydrogenation to methanol: Investigating the interaction between MoS₂ and Mn oxides. In 7. GÖCh-Symposium Physikalische Chemie und Elektrochemie in Österreich?: Book of Abstracts: Talk Abstracts. 7. GÖCh-Symposium Physikalische Chemie und Elektrochemie in Österreich, Wien, Austria. <http://hdl.handle.net/20.500.12708/192668>

[Link](#)

104 Chemie

Grothe, H., Reyzek, F., Bieber, P., & Seifried, T. (2023). Biological macro-molecules causing heterogeneous ice nucleation. In 13th International Conference on Carbonaceous Particles in the Atmosphere - Technical Program. 13th International Conference on Carbonaceous Particles in the Atmosphere, Berkeley, United States of America (the).

[Link](#)

104 Chemie

Eßl, H., Reitner, M., & Toschi, A. (2023). Breakdown of the Many-Electron Perturbation Expansion beyond Particle-Hole Symmetry. In DPG-Frühjahrstagung der DPG (pp. 758–758). Deutsche Physikalische Gesellschaft.

[Link](#)

103 Physik, Astronomie

Zavorcka, R., Prokes, A., Vychodil, J., Mikulasek, T., Horky, P., Mecklenbräuker, C., Chandra, A., Kelner, J., & Ziolkowski, C. (2023). Comparative Analysis of Clustering Methods for Power Delay Profile in MMW Bands and In-Vehicle Scenarios. In 2023 IEEE Conference on Antenna Measurements and Applications (CAMA) (pp. 260–265). IEEE. <https://doi.org/10.1109/CAMA57522.2023.10352767>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kolisnyk, M., & Mecklenbräuker, C. (2023). Smart Traffic Lights System of Vienna city. In Proceedings ICAMCS (pp. 112–117).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Gerhold, S. (2023). Consistency of option prices under bid-ask spreads. In G. Tsaklidis, D. Kugiumtzis, & R. Lykou (Eds.), Book of Abstracts?: 10th International Workshop on Applied Probability?: IWAP 2023

(pp. 60–60).

[Link](#)

101 Mathematik

502 Wirtschaftswissenschaften

Jorstad, N. P., Hadamek, T., Bendra, M., Ender, J., Pruckner, B., Goes, W., & Sverdlov, V. (2023). Numerical Simulations of Spintronic Magnetoresistive Memories. In SURGE Virtual Event North America 2023: Agenda (pp. 1–1).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hadamek, T., Jorstad, N. P., Goes, W., Selberherr, S., & Sverdlov, V. (2023). Numerical study of two-terminal SOT-MRAM. In Digital Book of Abstracts: 13th International Symposium on Hysteresis Modeling and Micromagnetics (HMM 2023) (pp. 1–1).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Cervenka, J., Kosik, R., & Senra Ribeiro, F. (2023). Parallel Solution of the Schrödinger-Poisson Equation on GPUs. In 14th International Conference on Large-Scale Scientific Computations (LSSC '23): Scientific Program: Abstracts: List of Participants (pp. 34–35).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Chen, J., & Csáji, G. (2023). Optimal Capacity Modification for Many-To-One Matching Problems. In Proceedings of the 2023 International Conference on Autonomous Agents and Multiagent Systems (pp. 2880–2882).

[Link](#)

101 Mathematik

102 Informatik

Mayer, F., Ehrmann, K., & Liska, R. (2023). Interpenetrating polymer networks with increased strength and toughness for Hot Lithography. In RadTech Europe Conference and Exhibition 2023?: Abstract Book. RadTech Europe 2023 Conference & Exhibition, München, Germany. <http://hdl.handle.net/20.500.12708/193230>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Balajka, J. (2023). Atomic scale insights into oxide surfaces in aqueous environments. In Operando SPM 2023 - 1st International Conference on Nanoscale Catalysis and Energy Conversion?: Abstracts. Operando SPM 2023 - 1st International Conference on Nanoscale Catalysis and Energy Conversion, Berlin, Germany.

[Link](#)

103 Physik, Astronomie

Knaack, P., Koch, T., Wolff, R., & Liska, R. (2023). Hot Lithography of flame-retardant high-performance Polymers. In RadTech Europe Conference and Exhibition 2023?: Abstract Book. RadTech Europe 2023 Conference & Exhibition, München, Germany. <http://hdl.handle.net/20.500.12708/193229>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Ehrmann, K., Kojic, D., Schandl, S., Wolff, R., Koch, T., Stampfl, J., Eren Mert, T. N., Feist, F., Barner-Kowollik, C., & Liska, R. (2023). Non-Radical Chemistries for Lithographic 3D Printing. In RadTech Europe Conference and Exhibition 2023?: Abstract Book (pp. 20–20). <https://doi.org/10.34726/5488>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Ajanovic, A., & Haas, R. (2023). On sustainability of battery electric vehicles. In Book of Abstracts: 18th Conference on Sustainable Development of Energy, Water and Environment Systems (sdwes 2023) (pp. 501–501). Faculty of Mechanical Engineering and Naval Architecture, Zagreb.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Parravicini, V., Tauber, J., Svoldal, K., & Krampe, J. (2023). Treibhausgasemissionen - die ganzheitliche Bewertung der Kläranlage. In Vom Trinkwasser zum Klärschlamm - Vom Notfall zur Energiewende. Vom Trinkwasser zum Klärschlamm: Vom Notfall zur Energiewende, München, Germany.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Fetka, J. (2023). Datengrundlagen zur besseren Steuerung des urbanen Güterverkehrs. In ISB 2023?: Universitätstagung Verkehrswesen Tagungsband. Universitätstagung Verkehrswesen 2023, Kerkrade, Netherlands (the). RWTH Aachen University.

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Bendra, M., Jorstad, N. P., Lacerda de Orio, R., Selberherr, S., Goes, W., & Sverdlov, V. (2023). Unified Modeling of Ultra-Scaled STT-MRAM Cells: Harnessing Parasitic Effects for Enhanced Data Storage Dynamics. In IEDM 2023 Special MRAM poster session. International Electron Devices Meeting (IEDM 2023), San Francisco, United States of America (the).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Feher, F., Mühl, J., Hofer, S., Hron, J., & Lederer, J. (2023). Properties of concretes containing fluidized bed combustion bottom ash as partial substitute for natural aggregate. In Proceedings SARDINIA 2023. 19th International Symposium on Waste Management, Resource Recovery and Sustainable Landfilling (SARDINIA 2023). 19th International Symposium on Waste Management, Resource Recovery and Sustainable Landfilling (SARDINIA 2023), Santa Margherita Di Pula, Cagliari, Italy. CISA Publisher.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schöniger, F. B., Resch, G., Suna, D., Hasengst, F., Pardo-Garcia, N., Totschnig Gerhard, Formayer, H., Philipp Maier, Leidinger, D., & Nadeem, I. (2023). The impact of climate change on future electricity generation and demand patterns in Europe. In EGU General Assembly 2023 - Abstracts. EGU General Assembly 2023, Vienna, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-13862>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zeni, W., Müller, D., Knoll, C., Seifried, M., Giester, G., Reissner, M., & Weinberger, P. (2023). Host-Guest Chemistry in Second Generation Spin-switchable Hofmann Type Networks: Larger Pores for Larger Guests. In 6th EuChemS Inorganic Chemistry Conference?: Book of abstracts. 6th EuChemS Inorganic Chemistry Conference, Wien, Austria.

[Link](#)

104 Chemie

Huber, M., Schöbinger, M., Mundigler, S., Stöger, B., Reissner, M., & Weinberger, P. (2023). The new class of fluorescent iron(II) spin crossover compounds based on BODIPY-substituted tetrazoles. In S. Ohkoshi (Ed.), *Phase Transition and Dynamical Properties of Spin Transition Materials 2023 (PDSTM2023)?*: Book of abstracts.

[Link](#)

104 Chemie

Dhar, S., Machado Charry, E., Liberto, T., Schennach, R., & Robisson, A. (2023). Spherical Balls Settling Through a Quiescent Cement Paste. In *2nd Annual Conference of the Austrian Society for Rheology* (pp. 17–17).

[Link](#)

103 Physik, Astronomie

201 Bauwesen

205 Werkstofftechnik

Ender, J., Lacerda de Orio, R., Goes, W., & Sverdlov, V. (2023). Towards Efficient SOT-assisted STT-MRAM Cell Switching using Reinforcement Learning. In *14th International Conference, Large-Scale Scientific Computations LSSC'23?: Scientific Program, Abstracts, List of Participants* (pp. 39–39).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ehrmann, K., Fitzka, M., Ableidinger, K., Berk, O., Baudis, S., & Liska, R. (2023). Self reinforcing yet biodegradable materials for highly porous prostheses. In *IUPAC-Chains 23: Book of abstracts* (pp. 99–99). <http://hdl.handle.net/20.500.12708/193603>

[Link](#)

104 Chemie

205 Werkstofftechnik

206 Medizintechnik

Ehrmann, K., Fitzka, M., Ableidinger, K., Bergmeister, H., Baudis, S., & Liska, R. (2023). Self-strengthening thermoplastic polyurethanes for highly porous biodegradable small-diameter vascular grafts. In *EUPOC 2023 - Dynamic Polymer Networks?: Booklet of Abstracts* (pp. 58–58).

[Link](#)

104 Chemie

205 Werkstofftechnik

206 Medizintechnik

Wilhelmer, C., Waldhör, D., Cvitkovich, L., Walzl, M., & Grasser, T. (2023). Ab initio investigations of electron and hole trapping processes of H induced defects in amorphous SiO₂. In *The 14th International Conference on SiO₂, Dielectrics and Related Devices?: Book of Abstracts* (pp. 18–19).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Keller, A., Martin, A., Konlechner, S., Güttel, W., & Fortwengel, J. (2023). Evolving Tensions Across Different Stages of Ambidexterity. In Sonia Taneja (Ed.), *Academy of Management Proceedings*. <https://doi.org/10.5465/AMPROC.2023.17856abstract>

[Link](#)

501 Psychologie

502 Wirtschaftswissenschaften

503 Erziehungswissenschaften

Tomaselli, M. (2023). Experiences and structures of reconstruction, social housing strategies. In V. Proskuryakov (Ed.), *Development of architecture in Europe during the war in Ukraine and after the victory over the rf* (pp. 98–104). Publishing House of Lviv Polytechnic National University.

[Link](#)

201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung

Retzl, P., & Kozeschnik, E. (2023). Simulation study of carbide formation and dissolution in upper/lower bainite. In THERMEC '2023 Abstract Book (pp. 479–479).

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Sayer, S., Zandrini, T., Markovic, M., Van Hoorick, J., Van Vlierberge, S., & Ovsianikov, A. (2023). Guiding cells with light: Patterning of cell-laden hydrogels using multi-photon lithography. In 2023 TERMIS EU-Chapter / Manchester. Tissue Engineering and Regenerative Medicine International Society European Chapter Conference 2023 (TERMIS- EU 2023, Manchester UK), Manchester, United Kingdom of Great Britain and Northern Ireland (the).

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Rodemann, T., Kataoka, H., Jatschka, T., Raidl, G., Limmer, S., & Meguro, H. (2023). Optimizing the positions of battery swapping stations - Pilot studies and layout optimization algorithm -. In EVTeC 2023: The 6th International Electric Vehicle Technology Conference (pp. 28–28).

[Link](#)

101 Mathematik
102 Informatik

Ellmeyer, S., & Hofstätter, G. C. (2023). Complex Lp-intersection bodies. In ÖMG-TAGUNG 18.–22.9.2023 Book of Abstracts (pp. 43–43).

[Link](#)

101 Mathematik

Leonhartsberger, S., Mann, K.-J., Kozich, M., Stanetty, C., & Mihovilovic, M. (2023). Investigation of polysaccharides as substitutes for synthetic benchmark materials in wastewater treatment. In 19th International Conference on Polysaccharides-Glycoscience - Programme (pp. 14–15).

[Link](#)

104 Chemie

Hakim Afyouni, N. (2023). Moscheen in Transformation. Profane Inszenierung in zeitgenössischen islamischen Sakralbauten. In Abstract Book: Transformationen – Zeiten des Umbruchs, 22. Tagung des Verbands österreichischer Kunsthistorikerinnen und Kunsthistoriker (VöKK) (pp. 6–6).

[Link](#)

201 Bauwesen
601 Geschichte, Archäologie
604 Kunstwissenschaften

Hunger Brezinova, I. (2023). Thermal reduced density matrices from eigenstates of mixed systems. In QTD2023 Vienna?: Book of Abstracts (pp. 5–5).

[Link](#)

103 Physik, Astronomie

Mayrhofer, M., Rieser, C., & Filzmoser, P. (2023). L0 Regularized Cellwise Outlier Detection and Covariance Estimation. In Book of abstracts: Joint conference of Data Science, Statistics & Visualisation and the European Conference on Data Analysis (pp. 95–95).

[Link](#)

101 Mathematik

Mayrhofer, M., & Filzmoser, P. (2023). Explainable outlier detection based on Shapley values. In PROGRAMME AND ABSTRACTS 25th International Conference on Computational Statistics (COMPSTAT 2023) (pp. 13–14).

[Link](#)

101 Mathematik

Neubauer, L., & Filzmoser, P. (2023). A New Look at Model Averaging of Differently Sized Time Series. In DSSV 2023?: Book of Abstracts. DSSV-ECDA 2023, Antwerpen, Belgium.

[Link](#)

101 Mathematik

102 Informatik

502 Wirtschaftswissenschaften

Naghdi, S., Wang, J., Ayala Leiva, P. R. A., Gupta, T., Cherevan, A., Guillet-Nicolas, R., Biswas, S., Haunold, T., Rupprechter, G., Caspary Toroker, M., Kleitz, F., & Eder, D. (2023). Selective Ligand Removal as a Powerful Strategy towards Advanced Photocatalysts. In 5th European Conference on Metal Organic Frameworks and Porous Polymers, EUROMOF?: Abstracts Book (pp. 88–88).

[Link](#)

104 Chemie

Vijayakumar, S., Schwaighofer, A., Ramer, G., & Lendl, B. (2023). Reading In-Between Spectra: Exploiting Laser-Based Mid-Infrared Spectroscopy with Chemometrics As A Tool to Study Continuous Unfolding of Proteins. In SciX 2023 Abstract Book (pp. 194–194). FACSS.

[Link](#)

104 Chemie

Bassi Lukasiwicz, G. V., Lendl, B., Capeloto, O. A., Malacarne, L. C., & Astrath, N. (2023). Photothermal Lens and Photothermal Mirror Techniques: Effects and Applications for Material Characterization. In C-PASS 1st Conference on Photonics for Advanced Spectroscopy and Sensing: Book of Abstract (pp. 83–83).

[Link](#)

104 Chemie

Lukasiwicz, G., Sehn, E., Dabrowska, A., & Cheng, H. (2023). Towards mid-IR photothermal lens spectroscopy for the analysis of liquids. In SCIX 2023?: Abstract Book. SCIX 2023, Sparks, United States of America (the).

[Link](#)

104 Chemie

Portisch, S., Jüngel, A., & Zurek, A. (2023). A finite-volume scheme for nonlocal cross-diffusion systems. In ANADAY 2023?: 17th Austrian Numerical Analysis Day?: Book of Abstracts (pp. 18–18).

[Link](#)

101 Mathematik

Damian, C., Frey, R., & Voigt, S. (2023). Statistical Inference for Rough and Persistent Volatility. In European Meeting of Statisticians 2023 - Book of Abstracts (pp. 70–70).

[Link](#)

101 Mathematik

102 Informatik

502 Wirtschaftswissenschaften

Parzer, R., Vana Gür, L., & Filzmoser, P. (2023). Combining New Dimension Reduction Tools for High-Dimensional Regression. In DSSV 2023?: Book of Abstracts (pp. 103–103).

[Link](#)

101 Mathematik

Führer, M., Jacob, A. A. F., Reischl, M., Zamberger, S., & Povoden-Karadeniz, E. (2023). Thermodynamic assessment of the AlN precipitate phase for Applied Calphad in microalloyed steel. In CALPHAD L?: 50th International Conference on Computer Coupling of Phase Diagrams and Thermochemistry?: Agenda and Abstracts. CALPHAD 2023: 50th International Conference on Computer Coupling of Phase Diagrams and Thermochemistry, Cambridge, United States of America (the).

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Kuznets, R. (2023). Simplicial approaches to crashing agents. In Workshop on Proof Theory, Modal Logic and Reflection Principles, Wormshop 2023, Bern, Booklet of abstracts. Wormshop 2023: Workshop on Proof Theory, Modal Logic and Reflection Principles, Bern, Switzerland. <https://doi.org/10.34726/5476>

[Link](#)

102 Informatik

Girlando, M., Kuznets, R., Marin, S., Morales, M., & Straßburger, L. (2023). A decision procedure for IS4. In Workshop on Proof Theory, Modal Logic and Reflection Principles, Wormshop 2023, Bern, Booklet of abstracts. Wormshop 2023: Workshop on Proof Theory, Modal Logic and Reflection Principles, Bern, Switzerland. <https://doi.org/10.34726/5415>

[Link](#)

102 Informatik

Ignat, I., Arvidsson, E., Roos, A., Scarano, E., Haviland, D. B., Platz, D., & Schmid, U. (2023). Vacuum gap electromechanical devices with integrated piezoelectric actuator. In FNS 2023?: Frontiers of Nanomechanical Systems?: Book of Abstracts (pp. 106–106).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Führer, M., Zamberger, S., Kahlenberg, R., Haslberger, P., Kozeschnik, E., & Povoden-Karadeniz, E. (2023). Modeling static recrystallization in low-carbon steel via torsion testing. In THERMEC'2023 - International Conference on Processing & Manufacturing of advanced Materials?: Abstract book (pp. 206–206).

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Achleitner, B., Willner, J., Podsednik, M., Larisegger, S., Michel Nelhieb, Huber, T., Knaack, P., & Limbeck, A. (2023). In-situ LIBS study of temperature induced processes in material analysis. In 12th Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy: Book of Abstract. 12th Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy (EMSLIBS 2023), Porto, Portugal.

[Link](#)

104 Chemie

Dimande, D. F., Wukovits, W., Köck, B.-M., Harasek, M., & Mihalyi-Schneider, B. (2023). Challenges in Modelling and Sustainability Assessment of Biorefineries. In A. Buburuzan, D. Gavrilescu, & G. Barjoveanu (Eds.), 12th International Conference on Environmental Engineering and Management?: Conference Abstracts Book (pp. 137–138). ECOZONE Publishing House.

[Link](#)

204 Chemische Verfahrenstechnik

Mayrhofer, M., & Filzmoser, P. (2023). Explainable Multivariate Outlier Detection based on Shapley Values. In Book of Abstracts Olomoucian Days of Applied Mathematics ODAM 2023 (pp. 53–53).

[Link](#)

101 Mathematik

Kampel, M. (2023). Views from the developer. In G. Getzinger, M. Jahrbacher, & F. Haller (Eds.), *Book of Abstracts?: 21st STS Conference Graz 2023: Critical Issues in Science, Technology and Society Studies* (pp. 78–78). Verlag der Technischen Universitat Graz.

[Link](#)

101 Mathematik

102 Informatik

Lindenbauer, F., Boguslavski, K., Kurkela, A., Lappi, T., & Peuron, J. (2023). Jet quenching parameter q during initial stages. In *The VII-th International Conference on the Initial Stages of High-Energy Nuclear Collisions?: Initial Stages 2023, Book of Abstracts* (pp. 72–72).

[Link](#)

103 Physik, Astronomie

Kurkela, A. E., Lindenbauer, F., Peuron, J., Boguslavski, K., & Lappi, T. (2023). Heavy quark diffusion coefficient during hydrodynamization - non-equilibrium vs. equilibrium. In *The VII-th International Conference on the Initial Stages of High-Energy Nuclear Collisions?: Initial Stages 2023, Book of Abstracts* (pp. 51–52).

[Link](#)

103 Physik, Astronomie

Schnauder, I., & Blanckaert, K. (2023). Flow, turbulence and morphodynamics of wood structures in rivers: challenges due to shape, porosity, position. In *EGeneral Assembly 2023, Vienna, Austria. EGU General Assembly 2023, Vienna, Austria*. <https://doi.org/10.5194/egusphere-egu23-9779>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Corna, A., & Zeck, G. M. (2023). High resolution electrical imaging and avoidance of nerve fibre stimulation in ex vivo retina. In *8th International Winterschool on Bioelectronics, BioEl 2023?: Programme and book of abstracts* (pp. 63–63).

[Link](#)

206 Medizintechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Zauner, L., Glechner, T., Bahr, A. A. I., Hirle, A. V., Fuger, C., Hahn, R., Wojcik, T., Ramm, J., Hunold, O., Polcik, P., & Riedl-Tragenreif, H. (2023). Si containing transition metal diborides (TM-Si-B_{2±z}) – Advanced ternary compounds for high temperature oxidative environments. In *47th International Conference & Exposition on Advanced Ceramics and Composites?: Abstract Book* (pp. 171–171). American Ceramic Society. <http://hdl.handle.net/20.500.12708/193697>

[Link](#)

205 Werkstofftechnik

210 Nanotechnologie

Hoflich, K., Hobler, G., Allen, F., Wirtz, T., Rius, G., & Hlawacek, G. (2023). IB-ThP-2 Roadmap for Focused Ion Beam Technologies. In *AVS 69th International Symposium & Exhibition: Abstract Book* (pp. 190–190).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Pinsker, M. (2023). Constraint Satisfaction Problems: algebraic and model-theoretic challenges to distinguish the easy from the hard. In *Book of Abstracts for the Workshop Combinatorial Problems in Model Theory and Computer Science* (pp. 6–7).

[Link](#)

101 Mathematik

102 Informatik

Andrade Silva Alves, G., Pacholik, G., Wagner, T., Pollitt, S., Latschka, M., Rameshan, R., Rameshan, C., & Föttinger, K. (2023). Mn-promoted MoS₂ as a catalyst for CO₂ hydrogenation to methanol: Investigating the interaction between MoS₂ and Mn oxides. In EUROACAT 2023, 15th European Congress on Catalysis, Catalysis: A pillar of modern society?: Book of Abstracts. EuropaCat 2023 - 15th European Congress on Catalysis, Prag, Czechia.

[Link](#)

104 Chemie

Barrabés Rabanal, N., Banu, R., Mengual, J., Palomares Gimeno, A. E., & Rey, F. (2023). Tuning the Au nanocluster catalyst activity in the selective alkyne semihydrogenation reaction: ligand and support effect. In EUROACAT 2023, 15th European Congress on Catalysis, Catalysis: A pillar of modern society?: Book of Abstracts (pp. 485–485).

[Link](#)

104 Chemie

Müller, N., Banu, R., Loxha, A., Lindenthal, L., Schrenk, F., & Barrabés Rabanal, N. (2023). Synergetic effect of Pt,Cu and Au in metal nanoclusters on CeO₂ as atomically precise active sites for WGS reaction: structural dynamics by operando XAFS and DRIFTS studies. In EUROACAT 2023, 15th European Congress on Catalysis, Catalysis: A pillar of modern society?: Book of Abstracts (pp. 480–480).

[Link](#)

104 Chemie

Gajarska, Z., Lohninger, J., Kepes, E., Porížka, P., Kaiser, J., & Limbeck, A. (2023). Extraction of chemical features from complex LIBS matrices. In EMSLIBS 2023?: 12th Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy?: Book of Abstracts (pp. 13–13).

[Link](#)

104 Chemie

Achleitner, B., Varain, L., Nelhiebel, M., Fafilek, G., Larisegger, S., & Limbeck, A. (2023). Determination of chlorine migration in polymers using LIBS. In EMSLIBS 2023?: 12th Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy?: Book of Abstracts (pp. 159–159).

[Link](#)

104 Chemie

Mikula, H. (2023). Next-Level Chemical Tools for Bioorthogonal Click-to-Release. In CLINAM 2023?: Abstracts, Speakers (pp. 106–106).

[Link](#)

104 Chemie

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Medeiros Dalla Costa, D., Hahn, F. J. J., & Reichl, I. (2023). Computer Aided Engineering in Augmented Reality: Flow Visualizations for Hydro Power Applications. In E. Reiter (Ed.), Austrian-Slovenian HPC Meeting 2023 - ASHPC23 (pp. 40–40). EuroCC Austria. <https://doi.org/10.34726/5438>

[Link](#)

102 Informatik

203 Maschinenbau

Reitner, M. (2023). Exceptional susceptibilities: How non-Hermitian topology protects correlation-induced phase instabilities. In Workshop on correlated condensed quantum matter: Correlations in Novel Quantum Materials. Workshop on correlated condensed quantum matter 2023: Correlations in Novel Quantum

Materials, Stuttgart, Germany.

[Link](#)

103 Physik, Astronomie

Abele, H. (2023). High Precision Experiments with Cold and Ultra-Cold Neutrons. In Book of Abstracts?: FFK 2023: International Conference on Precision Physics and Fundamental Physical Constants. FFK 2023: International Conference on Precision Physics and Fundamental Physical Constants, Wien, Austria.

[Link](#)

103 Physik, Astronomie

Leeb, H., & Srdinko, T. (2023). Challenges in nuclear data evaluation of light nuclear systems. In Wonder 2023?: Book of Abstracts?: 6th International Workshop On Nuclear Data Evaluation for Reactor applications (WONDER). 6th International Workshop On Nuclear Data Evaluation for Reactor applications (WONDER 2023), Aix-en-Provence, France.

[Link](#)

103 Physik, Astronomie

Shirvani, R., Bartik, A., Andrade Silva Alves, G., Garcia de Otazo Hernandez, D., Föttinger, K., Müller, S., & Steiger, M. (2023). Nitrogen recovery from low-value biogenic feedstocks via steam gasification to yeast biomass. In 8th Conference on Physiology of Yeasts & Filamentous Fungi - Abstract Book (pp. 51–52).

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Erek, A., & Oevermann, H. (2023). Digital Resources for teaching art history, architectural history and heritage conservation. In C. Smaniotto Costa (Ed.), Dynamics of placemaking - Teaching and Training about Places, Memory, and Communities?: reading book, Abstracts (pp. 30–30).

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Brunnbauer, L., Porkert, M., Porížka, P., Kalcikova, G., Kaiser, J., & Limbeck, A. (2023). Spatially resolved investigations of the elemental composition of aged microplastics using LA-ICP-MS and LIBS. In M. Marchetti-Deschmann, E. E. Rosenberg, & V. Weiss (Eds.), ANAKON 2023: Book of Abstracts (pp. 136–136). TU Wien.

[Link](#)

104 Chemie

Gibbs, D. K., Frank, J., & Limbeck, A. (2023). Using LA-ICP-MS for the Determination of Deuterium in an Effort to Analyse Water Absorption by Thin Polymer Films. In M. Marchetti-Deschmann, E. E. Rosenberg, & V. Weiss (Eds.), ANAKON 2023: Book of Abstracts (pp. 276–276). TU Wien.

[Link](#)

104 Chemie

Podsednik, M., Willner, J., Achleitner, B., Huber, T., Nelhiebel, M., Larisegger, S., & Limbeck, A. (2023). Time-resolved analysis of copper scaling by in-situ LIBS measurements at elevated temperatures in different oxygen partial pressures. In M. Marchetti-Deschmann, E. E. Rosenberg, & V. Weiss (Eds.), ANAKON 2023: Book of Abstracts (pp. 325–325). TU Wien.

[Link](#)

104 Chemie

Gajarska, Z., Brunnbauer, L., Lohninger, J., & Limbeck, A. (2023). Feature engineering to improve

classification in LIBS. In M. Marchetti-Deschmann, E. E. Rosenberg, & V. Weiss (Eds.), ANAKON 2023: Book of Abstracts (pp. 439–439). TU Wien.

[Link](#)

104 Chemie

Achleitner, B., Willner, J., Podsednik, M., Larisegger, S., Nelhiebel, M., Huber, T., Knaack, P., & Limbeck, A. (2023). In-situ investigation of the thermal behaviour of polymers using Laser Induced Breakdown Spectroscopy (LIBS). In M. Marchetti-Deschmann, E. E. Rosenberg, & V. Weiss (Eds.), ANAKON 2023: Book of Abstracts (pp. 323–323). TU Wien.

[Link](#)

104 Chemie

Barisic, N. (2023). Experimentally Established Universal and Non-Universal Properties that Define the Physics of Cuprates. In ICSM2023: 8th International Conference in Superconductivity and Magnetism: Abstract Book (pp. 26–26).

[Link](#)

103 Physik, Astronomie

Holleis, S., Semper, F., Thomas, A., Shipulin, I. A., Steiger-Thirsfeld, A., Bernardi, J., Hühne, A. R., & Eisterer, M. (2023). Magnetic Granularity in Iron-Based Superconducting Films on RABiTS Templates. In ICSM2023: 8th International Conference on Superconductivity and Magnetism: Abstract Book (pp. 327–327).

[Link](#)

103 Physik, Astronomie

Lopez Martinez, M., Schneider, M., Hinterer, F., Sharma, A., Hubmer, S., Ramlau, R., & Schütz, G. (2023). Bias-free localization of fixed dipole emitters with cryo SMLM. In SMLMS 2023: 12th Single Molecule Localization Microscopy Symposium (pp. 104–104).

[Link](#)

103 Physik, Astronomie

Platz, D., Loch Gesing, A., & Schmid, U. (2023). Fluid-Structure Interaction of MEMS Resonators. In SMSI 2023 Conference – Sensor and Measurement Science International (pp. 181–182). <https://doi.org/10.5162/SMSI2023/C6.1>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Held, K. (2023). Dynamical vertex approximation for quantum criticality. In 1st Symposium on Correlated Quantum Materials & Solid State Quantum Systems (pp. 9–9).

[Link](#)

103 Physik, Astronomie

Pinsker, M. (2023). Topologies on endomorphism monoids of generic structures. In Programme and Abstracts Conference on Generic Structures 2023 (pp. 6–6).

[Link](#)

101 Mathematik

102 Informatik

de Bruin, L., Berges, J., Pawlowski, J. M., Boguslavski, K., & Butler, T. (2023). Condensation and early time dynamics in QCD plasmas. In 11th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions: Buch der Abstracts (pp. 2–2).

[Link](#)

103 Physik, Astronomie

de Bruin, L., Pawlowski, J. M., Berges, J., Boguslavski, K., & Butler, T. (2023). Condensation and early

time dynamics in QCD plasmas. In The VII-th International Conference on the Initial Stages of High-Energy Nuclear Collisions?: Initial Stages 2023, Book of Abstracts (pp. 11–11).

[Link](#)

103 Physik, Astronomie

Boguslavski, K., Kurkela, A., Lappi, T., Lindenbauer, F., & Peuron, J. (2023). Limiting attractors in heavy-ion collisions - the interplay between bottom-up and hydrodynamical attractors. In The VII-th International Conference on the Initial Stages of High-Energy Nuclear Collisions?: Initial Stages 2023, Book of Abstracts (pp. 71–71).

[Link](#)

103 Physik, Astronomie

Boguslavski, K., Hotzy, P., & Müller, D. (2023). Taming complex Langevin simulations of real-time lattice gauge theory with an anisotropic kernel. In The VII-th International Conference on the Initial Stages of High-Energy Nuclear Collisions?: Initial Stages 2023, Book of Abstracts (pp. 64–65).

[Link](#)

103 Physik, Astronomie

Spitz, D., Berges, J., & Boguslavski, K. (2023). Probing universal dynamics with topological data analysis in a gluonic plasma. In The VII-th International Conference on the Initial Stages of High-Energy Nuclear Collisions?: Initial Stages 2023, Book of Abstracts (pp. 45–46).

[Link](#)

103 Physik, Astronomie

Grüneis, A. (2023). Coupled-cluster theory for complex solids made ready. In Deutsche Physikalische Gesellschaft (Ed.), VERHANDLUNGEN der Deutschen Physikalischen Gesellschaft (pp. 304–304).

[Link](#)

103 Physik, Astronomie

Grüneis, A., Irmeler, A., Schäfer, T., Hummel, F., Masios, N., & Martinez-Soria Gallo, A. A. (2023). Towards Chemical Accuracy for Surface Chemistry Using Coupled-Cluster Theory. In X. Ren (Ed.), The IOP-FHI workshop on the frontiers of electronic-structure theory and materials genomics: Book of Abstracts (pp. 24–24).

[Link](#)

103 Physik, Astronomie

Hüpfel, J., Bachelard, N., Kaczvinszki, M., Horodyski, M. A., Kühmayer, M., & Rotter, S. (2023). Multi-Particle Active Feedback Cooling Using Shaped Wave-Fronts. In Exploiting Levitated Particles in the Quantum Regime (pp. 30–30).

[Link](#)

103 Physik, Astronomie

Miarka, P., Seitzl, S., Klusák, J., Malíková, L., Merta, I., & Bílek, V. (2023). High-cycle fatigue cracks in concrete investigated by μ CT tomography. In J. Pokluda & P. Sandera (Eds.), Materials Structure & Micromechanics of Fracture 43 (pp. 124–129). Elsevier BV. <https://doi.org/10.1016/j.prostr.2022.12.246>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Thalhammer, S., Patten, T., & Vincze, M. (2023). COPE: End-to-end trainable Constant Runtime Object Pose Estimation. In Proceedings 2023 IEEE/CVF Winter Conference on Applications of Computer Vision (WACV) (pp. 2859–2869). <https://doi.org/10.1109/WACV56688.2023.00288>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Halilovic, D., Mulic, M., & Weber, R. (2023). Earth Rotation and Its Parameters. In N. Ademovic, E. Mujcic, M. Mulic, J. Kevric, & Z. Akšamija (Eds.), *Advanced Technologies, Systems, and Applications VII* (pp. 492–506). Springer. https://doi.org/10.1007/978-3-031-17697-5_38

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Natras, R., Halilovic, D., Mulic, M., & Schmidt, M. (2023). Mid-latitude Ionosphere Variability (2013–2016), and Space Weather Impact on VTEC and Precise Point Positioning. In N. Ademovic, E. Mujcic, M. Mulic, J. Kevric, & Z. Akšamija (Eds.), *Advanced Technologies, Systems, and Applications VII* (pp. 471–491). Springer. https://doi.org/10.1007/978-3-031-17697-5_37

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Reisinger, J., Rasoulzadeh, S., Kovacs, B. I., Ferschin, P., Vasylevska, K., Hensel, M. U., Kovacic, I., & Wimmer, M. (2023). Integrating AEC Domain-Specific Multidisciplinary Knowledge for Informed and Interactive Feedback in Early Design Stages. In S. Skatulla & H. Beushausen (Eds.), *Advances in Information Technology in Civil and Building Engineering: Proceedings of ICCBE 2022 - Volume 2* (pp. 153–170). Springer. https://doi.org/10.1007/978-3-031-32515-1_12

[Link](#)

102 Informatik

201 Bauwesen

Nawratil, G. (2023). Generalizing Continuous Flexible Kokotsakis Belts of the Isogonal Type. In L.-Y. Cheng (Ed.), *ICGG 2022 - Proceedings of the 20th International Conference on Geometry and Graphics* (pp. 115–126). https://doi.org/10.1007/978-3-031-13588-0_10

[Link](#)

101 Mathematik

Schlögl, T., & Schmid, U. (2023). A Sufficient Condition for Gaining Belief in Byzantine Fault-Tolerant Distributed Systems. In R. Verbrugge (Ed.), *Proceedings Nineteenth conference on Theoretical Aspects of Rationality and Knowledge* (pp. 487–506). <https://doi.org/10.4204/EPTCS.379.37>

[Link](#)

102 Informatik

Fuchsbauer, G., & Orrù, M. (2023). Non-interactive Miblewimble transactions, revisited. In *Advances in Cryptology - ASIACRYPT 2022* (pp. 713–744). Springer. https://doi.org/10.1007/978-3-031-22963-3_24

[Link](#)

101 Mathematik

102 Informatik

Abusalah, H., Fuchsbauer, G., Gazi, P., & Klein, K. (2023). SNACKs: Leveraging Proofs of Sequential Work for Blockchain Light Clients. In *Advances in Cryptology - ASIACRYPT 2022* (pp. 806–836). Springer. https://doi.org/10.1007/978-3-031-22963-3_27

[Link](#)

101 Mathematik

102 Informatik

Haas, M., Hagen, K., & Ruland, G. (2023). Glück auf! Was kommt nach der Kohle? Zukunftsideen für die Lausitz im Wandel. In M. Leibenath, L. Gailing, & A. Birnbaum (Eds.), *Landscapes for Future? – Landschaften und sozial-ökologische Transformationen*. Springer VS.

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Visconti, E., Tsigkanos, C., & Nenzi, L. (2023). WebMonitor: Verification of Web User Interfaces. In ASE '22: Proceedings of the 37th IEEE/ACM International Conference on Automated Software Engineering (pp. 1–4). Association for Computing Machinery (ACM). <https://doi.org/10.1145/3551349.3559538>

[Link](#)

102 Informatik

Sober, M., Max Kobelt, Scaffino, G., Kaaser, D., & Schulte, S. (2023). Distributed Key Generation with Smart Contracts using zk-SNARKs. In SAC '23: Proceedings of the 38th ACM/SIGAPP Symposium on Applied Computing (pp. 231–240). Association for Computing Machinery. <https://doi.org/10.34726/4523>

[Link](#)

102 Informatik

Sreckovic, M., & Sibenik, G. (2023). Designing the business model for the end-of-life phase. In E. Hjelseth, S. Sujan, & R. Scherer (Eds.), 14th European Conference on Product and Process Modelling - Abstract Booklet.

[Link](#)

102 Informatik

201 Bauwesen

De Pagter, J. (2023). Should we Speculate about Robots? In R. Hakli, P. Mäkelä, & J. Seibt (Eds.), Social Robots in Social Institutions (pp. 554–559). IOS Press. <https://doi.org/10.3233/FAIA220658>

[Link](#)

Coelho, A., Albu-Schaeffer, A., Sachtler, A., Mishra, H., Bicego, D., Ott, C., & Franchi, A. (2023). EigenMPC: An Eigenmanifold-Inspired Model-Predictive Control Framework for Exciting Efficient Oscillations in Mechanical Systems. In Proceedings 2022 IEEE 61st Conference on Decision and Control (CDC) (pp. 2437–2442). IEEE. <https://doi.org/10.1109/CDC51059.2022.9992915>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kern, L. M., Schartner, M., Böhm, J., Böhm, S., Nothnagel, A. G., & Soja, B. (2023). Impact of the Source Selection and Scheduling Optimization on the Estimation of UT1-UTC in VLBI Intensive Sessions. In K. L. Armstrong, D. Behrend, & K. D. Baver (Eds.), International VLBI Service for Geodesy and Astrometry 2022 General Meeting Proceedings (pp. 167–171). <https://doi.org/10.34726/4201>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Bjørner, N., Eisenhofer, C., & Kovács, L. (2023). Satisfiability Modulo Custom Theories in Z3. In C. Dragoi, M. Emmi, & J. Wang (Eds.), Verification, Model Checking, and Abstract Interpretation. VMCAI 2023 (pp. 91–105). Springer. https://doi.org/10.1007/978-3-031-24950-1_5

[Link](#)

102 Informatik

LIngitz, L., Gallina, V., Breitschopf, J., Finamore, L., & Sihm, W. (2023). Quality in production planning: Definition, quantification and a machine learning based improvement method. In 4th International Conference on Industry 4.0 and Smart Manufacturing (ISM 2022) (pp. 358–365). Elsevier. <https://doi.org/10.1016/j.procs.2022.12.231>

[Link](#)

502 Wirtschaftswissenschaften

Valls Mascaro, E., Ahn, H., & Lee, D. (2023). Intention-Conditioned Long-Term Human Egocentric Action Forecasting. In Proceedings of the IEEE/CVF Winter Conference on Applications of Computer

Vision (WACV) (pp. 6048–6057). <https://doi.org/10.1109/WACV56688.2023.00599>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Dobrosovestnova, A., & Reinboth, T. (2023). Helping-as-Work and Helping-as-Care: Mapping Ambiguities of Helping Commercial Delivery Robots. In R. Hakli, J. Seibt, & P. Mäkelä (Eds.), *Social Robots in Social Institutions* (pp. 239–248). <https://doi.org/10.3233/FAIA220623>

[Link](#)

102 Informatik

504 Soziologie

Benaitier, A., Krainer, F., Jakubek, S., & Hametner, C. (2023). Optimal control of aftertreatment electric heaters for mild hybrid vehicles during cold start. In A. Benaitier, C. Hametner, S. Jakubek, & F. Krainer (Eds.), *2022 IEEE Vehicle Power and Propulsion Conference (VPPC)*. <https://doi.org/10.1109/VPPC55846.2022.10003358>

[Link](#)

101 Mathematik

103 Physik, Astronomie

201 Bauwesen

Filipov, V., Arleo, A., Bögl, M., & Miksch, S. (2023). On Time and Space: An Experimental Study on Graph Structural and Temporal Encodings. In P. Angelini & R. von Hanxleden (Eds.), *Graph Drawing and Network Visualization. GD 2022* (pp. 271–288). Springer Cham. https://doi.org/10.1007/978-3-031-22203-0_20

[Link](#)

102 Informatik

Vagnoni, E., Gezer, D., Anagnostopoulos, I., Cavazzini, G., Doujak, E., Hocevar, M., & Rudolf, P. (2023). The new role of sustainable hydropower in flexible energy systems and its technical evolution through innovation and digitalization. In *Proceedings of ECOS 2023 – The 36th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems. 36th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Las Palmas de Gran Canaria, Spain.*

[Link](#)

203 Maschinenbau

Gober, F., Eberhardsteiner, L., & Blab, R. (2023). Ansatz zur rechnerischen Dimensionierung ungebundener Pflasterstein-Aufbauten in Österreich. In Prof. Dr.-Ing. Florian Schäfer (Ed.), *3. Kolloquium Straßenbau in der Praxis - Fachtagung zum Planen, Bauen, Erhalten, Betreiben unter den Aspekten von Nachhaltigkeit und Digitalisierung - Tagungshandbuch 2023* (pp. 433–439). expert Verlag.

[Link](#)

201 Bauwesen

Gemes, K. A., Kovacs, A., & Recski, G. (2023). Offensive text detection across languages and datasets using rule-based and hybrid methods. In G. Drakopoulos & E. Kafeza (Eds.), *CIKM-WS 2022. Proceedings of the CIKM 2022 Workshops. CEUR-WS.org*. <https://doi.org/10.34726/4341>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Hutterer, M. (2023). Control of Magnetically Levitated Rotors with Defective Bearings or Sensors. In *IKMT 2022; 13. GMM/ETG-Symposium* (pp. 1–6). VDE.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hoenisch, P., Mazumdar, S., Moreno-Sanchez, P., & Ruj, S. (2023). LightSwap: An Atomic Swap Does Not Require Timeouts at both Blockchains. In J. Garcia-Alfaro, G. Navarro-Arribas, & N. Dragoni (Eds.), *Data Privacy Management, Cryptocurrencies and Blockchain Technology* (pp. 219–235). Springer Cham. https://doi.org/10.1007/978-3-031-25734-6_14

[Link](#)

101 Mathematik

102 Informatik

Freude, C., Sakai, H., Zsolnai-Fehér, K., & Wimmer, M. (2023). Sampling-Distribution-Based Evaluation for Monte Carlo Rendering. In *Proceedings of the 18th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications* (pp. 119–130). Scitepress. <https://doi.org/10.34726/3841>

[Link](#)

101 Mathematik

102 Informatik

Jobst, M., & Gartner, G. (2023). Erweiterte Perspektiven der Kartographie - der räumliche Schlüssel zu Wissensnetzwerken. In T. Weinold (Ed.), *22. Internationale Geodätische Woche Obergurgl 2023* (pp. 23–33). Wichmann. <http://hdl.handle.net/20.500.12708/175639>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kladnik, V., Dworak, S., & Schwarzböck, T. (2023). Charakterisierung von Abfällen aus dem öffentlichen Raum – Fallstudie der Stadt Krems. In A. Bockreis, M. Faulstich, S. Flamme, M. Kranert, M. Mocker, M. Nelles, P. Quicker, G. Rettenberger, & S. Rotter (Eds.), *12. Wissenschaftskongress Abfall- und Ressourcenwirtschaft* (pp. 103–107). innsbruck university press. <https://doi.org/10.15203/99106-095-6>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Salisu, S., Filipov, V., & Barry Pene. (2023). Blockchain Forensics: A Modern Approach to Investigating Cybercrime in the Age of Decentralisation. In *Proceedings of the 18th International Conference on Cyber Warfare and Security* (pp. 338–347). Academic Conferences International Limited. <https://doi.org/10.34190/icws.18.1.947>

[Link](#)

101 Mathematik

102 Informatik

Zessner-Spitzenberg, M., Strenge, E., Weinberger, C., Hepp, G., & Kuderna, M. (2023). Feinsediment- und Phosphorproblematik in Fließgewässern und Ansätze zu deren Lösung. In *56. ESSENER TAGUNG für Wasserwirtschaft* (pp. 8/1-8/15). RWTH Aachen.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pont, U., Schober, K. P., Wölzl, M., Schuß, M. W., & Haberl, J. (2023). Vacuum-glazed windows. In W. Bustamante, M. Andrade, & P. Ortiz E (Eds.), *PLEASTGO 2022 Will Cities survive? The future of sustainable buildings and urbanism in the age of emergency - Book of Proceedings Vol 2 Onsite Sessions* (pp. 1079–1084). Eigenverlag - Pontificia Universidad Católica de Chile.

[Link](#)

102 Informatik

201 Bauwesen

Vidal Kume, E., Berger, C., & Mahdavi, A. (2023). Micro-climatic aspects of Barcelona's Superblock strategy. In W. Bustamante, M. Andrade, & P. Ortiz E (Eds.), PLEA STGO 2022 Will Cities survive? The future of sustainable buildings and urbanism in the age of emergency - BOOK OF PROCEEDINGS VOL 1 ONLINE SESSIONS (pp. 656–661). Eigenverlag - Pontificia Universidad Católica de Chile.

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Wild, B., Verhoeven, G. J., Wieser, M., Ressler, C., Otepka-Schremmer, J., & Pfeifer, N. (2023). Graffiti-Dokumentation: Projekt INDIGO. In 22. Internationale Geodätische Woche Obergurgl 2023 (pp. 322–325). Herbert Wichmann Verlag.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Otepka-Schremmer, J., Bayr, A., Brandtner, B., Mandlbürger, G., & Pfeifer, N. (2023). Verschmelzen von Höhenmodellen unterschiedlicher Auflösung und Genauigkeiten. In 22. Internationale Geodätische Woche Obergurgl 2023 (pp. 113–123). Wichmann.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Mandlbürger, G., Cramer, M., & Kölle, M. (2023). Vergleich von Low-Cost- und High-End-UAV-LiDAR. In 22. Internationale Geodätische Woche Obergurgl 2023 (pp. 138–149). Wichmann.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gritsch, L., Breslmayer, G., Rainer, R., & Lederer, J. (2023). Wie entsorgen Konsument:innen zerlegbare Mehrkomponenten-Verpackungen und was bedeutet das für die reale Recyclingfähigkeit? In A. Bockreis, M. Faulstich, S. Flamme, M. Kranert, M. Mocker, M. Nelles, P. Quicker, G. Rettenberger, & V. S. Rotter (Eds.), 12. Wissenschaftskongress Abfall- und Ressourcenwirtschaft (pp. 31–35). Innsbruck University Press.

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

211 Andere Technische Wissenschaften

Pont, U., Schober, K. P., Wölzl, M., Schuß, M. W., & Haberl, J. (2023). A Review on the FIVA-Project: Simulation-Assisted Development of Highly-Insulating Vacuum Glass Windows. In G. Pernigotto, F. Patuzzi, A. Prada, V. Corrado, & A. Gasparella (Eds.), Building Simulation Applications BSA 2022. 5th IBPSA Italy Conference, Bozen-Bolzano, 29th June - 1st July 2022. Konferenzbeiträge/Atti/Proceedings (pp. 69–76). bu, press - Bozen-Bolzano University Press. <https://doi.org/10.34726/3864>

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Bettinelli, L., & Fink, J. (2023). Influence of the locomotive on the dynamic response of single-span bridges under high-speed railway traffic. In J. Pombo (Ed.), Proceedings of the Fifth International Conference on Railway Technology: Research, Development and Maintenance (pp. 1–9). Civil-Comp Press. <https://doi.org/10.4203/cc.1.6.4>

[Link](#)

201 Bauwesen

Spielhaupter, O., & Mahdavi, A. (2023). Aspects of BIM-to-BEM information transfer: A tale of two workflows. In E. Hjelseth, S. Sujun, & R. Scherer (Eds.), *ECPPM 2022 - eWork and eBusiness in Architecture, Engineering and Construction 2022* (pp. 303–310). <https://doi.org/10.1201/9781003354222-39>

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Stollwitzer, A., & Fink, J. (2023). Dynamic behaviour of the ballasted track on railway bridges. In J. Pombo (Ed.), *Proceedings of the Fifth International Conference on Railway Technology: Research, Development and Maintenance* (pp. 1–8). Civil-Comp Press. <https://doi.org/10.4203/ccc.1.6.3>

[Link](#)

201 Bauwesen

Koch, M., Lechner, C., Lauterborn, W., & Mettin, R. (2023). Bubble collapse directly at an object: fast jet and shock wave. In W.-S. Ohm (Ed.), *22nd International Symposium on Nonlinear Acoustics*. ASA. <https://doi.org/10.1121/2.0001697>

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

Fischer, R., Hödlmoser, M., & Gelautz, M. (2023). Flexible Extrinsic Structured Light Calibration Using Circles. In *Proceedings of the 18th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications* (pp. 47–55). <https://doi.org/10.5220/0011614500003417>

[Link](#)

102 Informatik

Pont, U., Wölzl, M., Schuß, M. W., Peter Schober, & Hauer, K. (2023). Kastenfenstersanierung mit innovativen Glasprodukten. In *Weniger. Aber mehr daraus machen! - Less. But let's make more out of it! - Tagungsband 2023 - BauZ! Wiener Kongress für zukunftsfähiges Bauen / Vienna Congress on Sustainable Building* (pp. 42–50). IBO-Verlag.

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Hassanpour Guilvaiee, H., Toth, F., & Kaltenbacher, M. (2023). FEM-Modeling of thermal and viscous effects in piezoelectric MEMS loudspeakers. In *Special Issue: 92nd Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM)*. 92nd Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM), Germany. Wiley. <https://doi.org/10.1002/pamm.202200027>

[Link](#)

203 Maschinenbau

Grömer, M., & Mandlbürger, G. (2023). Vergleich verschiedener Unterwasser-Photogrammetrie-Inspektionsmethoden zur Bewertung von unterwasserliegenden Stahlwasserbauwerken. In T. Kersten & N. Tilly (Eds.), *Beiträge. 43. Wissenschaftlich-Technische Jahrestagung der DGPF. 22.-23. März 2023 in München* (pp. 322–331).

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pöpl, F., Pfennigbauer, M., Ullrich, A., Mandlbürger, G., Neuner, H.-B., & Pfeifer, N. (2023). Modelling of GNSS Positioning Errors in a GNSS/INS/LiDAR-integrated Georeferencing. In T. Kersten & N. Tilly (Eds.), Beiträge. 43. Wissenschaftlich-Technische Jahrestagung der DGPF. 22.-23. März 2023 in München (pp. 183–196). <http://hdl.handle.net/20.500.12708/176543>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Strasser, G., Knötig, H. M., Lardschneider, A., Heinrich Jonas, Hillbrand, J., Krüger, L., Dal Cin, S., Andrews, A., Weih, R., Koeth, J., Keller, U., & Schwarz, B. (2023). Frequency performance of quantum cascade and interband cascade detectors. In Shahriar Selim M. & Scheuer Jacob (Eds.), Proceedings Volume PC12447, Quantum Sensing, Imaging, and Precision Metrology. <https://doi.org/10.1117/12.2657340>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Arigliani, E., David, M., Hinkelmann, E., Knötig, H. M., Butera, V., Konecny Adam, Pilat, F., Schwarz, B., Strasser, G., Detz, H., & Hinkov, B. (2023). A novel miniaturized mid-IR sensor for glucose detection using on-chip plasmonics and quantum cascade detectors. In Rogers David J. & F. H. Teherani (Eds.), Oxide-based Materials and Devices XIV. SPIE. <https://doi.org/10.1117/12.2650725>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Marschick, G., Knötig, H., Weih, R., Koeth, J., Strasser, G., & Hinkov, B. (2023). Concentric double-ring interband cascade lasers for bi-color emission in continuous wave mode. In A. Belyanin & P. M. Smowton (Eds.), Proceedings Volume PC12440 - SPIE OPTO - Novel In-Plane Semiconductor Lasers XXII (p. 18). <https://doi.org/10.1117/12.2650784>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Weih, R., Nauschütz, J., Schwarz, B., Knötig, H., & Koeth, J. (2023). Interband cascade lasers emitting beyond 6µm in cw by mitigation of valence intersubband absorption. In A. Belyanin & P. M. Smowton (Eds.), Proceedings Volume PC12440, SPIE OPTO - Novel In-Plane Semiconductor Lasers XXII (p. 20). <https://doi.org/10.1117/12.2657031>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

David, M., Marschick, G., Arigliani, E., Opacak, N., Koukola, D., Schwarz, B., Strasser, G., & Hinkov, B. (2023). Merging mid-IR QC technology with plasmonic interconnects: a monolithically integrated mid-infrared heterodyne receiver. In Proceedings Volume PC12424, Integrated Optics: Devices, Materials, and Technologies XXVII. SPIE Photonics West 2023 (SPIE OPTO), San Francisco, United States of America (the).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Columbo, L. L. L., Brambilla, M., Prati, F., Opacak, N., Kazakov, D., Piccardo, M., Schwarz, B., Lugiato, L., & Capasso, F. (2023). Solitary structures and optical frequency combs in a ring quantum cascade laser. In A. Belyanin & P. M. Smowton (Eds.), Novel In-Plane Semiconductor Lasers XXII. SPIE. <https://doi.org/10.1117/12.2650677>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kazakov, D., Letsou Theodore P., Opacak, N., Beiser, M., Dal Cin, S., Columbo, L. L., Brambilla, M., Prati, F., Lugiato, L., Piccardo, M., Schwarz, B., & Capasso, F. (2023). Ring quantum cascade lasers as versatile photonic components for the mid-infrared. In A. Belyanin & P. M. Smowton (Eds.), Proceedings Volume PC12440, Novel In-Plane Semiconductor Lasers XXII. <https://doi.org/10.1117/12.2647068>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schwarz, B., Opacak, N., Pilat, F., Kazakov, D., Dal Cin, S., Beiser, M., Columbo, L. L., Hillbrand, J., Piccardo, M., & Capasso, F. (2023). Quantum cascade laser frequency combs induced by a giant Kerr nonlinearity. In A. Belyanin & P. M. Smowton (Eds.), Novel In-Plane Semiconductor Lasers XXII. <https://doi.org/10.1117/12.2651688>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Opacak, N., Kazakov, D., Columbo, L. L., Beiser, M., Pilat, F., Brambilla, M., Prati, F., Piccardo, M., Capasso, F., & Schwarz, B. (2023). Parametric processes and nonlinear dynamics of self-starting frequency combs. In A. Belyanin & P. M. Smowton (Eds.), Proceedings Volume PC12440, Novel In-Plane Semiconductor Lasers XXII. <https://doi.org/10.1117/12.2651256>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hinkov, B., Dabrowska, A., David, M., Schwaighofer, A., Freitag, S., Andrews, A. M., Strasser, G., & Lendl, B. (2023). Broadband mid-infrared milk protein analysis based on quantum cascade technology. In Razeghi Manijeh, Khodaparast Giti A., & Vitiello Miriam S. (Eds.), Quantum Sensing and Nano Electronics and Photonics XIX. SPIE. <https://doi.org/10.1117/12.2650801>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Knees, P., & Lerch, A. (2023). MILC 2023: 3rd Workshop on Intelligent Music Interfaces for Listening and Creation. In Companion Proceedings of 2023 28th Annual Conference on Intelligent User Interfaces (IUI 2023 Companion) (pp. 185–186). Association for Computing Machinery. <https://doi.org/10.1145/3581754.3584164>

[Link](#)

102 Informatik

Jaidl, M., Opacak, N., Kainz, M., Ertl, M., Theiner, D., Limbacher, B., Beiser, M., Giparakis, M., Andrews, M. A., Strasser, G., Schwarz, B., Darmo, J., & Unterrainer, K. (2023). Terahertz quantum cascade ring lasers: comb operation and integration on Si-substrates. In A. Belyanin & P. M. Smowton (Eds.), Novel In-Plane Semiconductor Lasers XXII. <https://doi.org/10.1117/12.2648329>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Müller, T. (2023). 2D material-based functional optoelectronics. In PROCEEDINGS VOLUME PC12423, 2D Photonic Materials and Devices VI (2023). SPIE Photonics West 2023, San Francisco, United States of America (the).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Johannes Heinz, Niklas Fehn, & Kaltenbacher, M. (2023). High-Order Discontinuous Galerkin Methods for the Acoustic Conservation Equations on Moving Meshes. In DAGA 2023?: 49. Jahrestagung für Akustik (pp. 1074–1077). Deutsche Gesellschaft für Akustik e.V. <http://hdl.handle.net/20.500.12708/176989>

[Link](#)

101 Mathematik

102 Informatik

103 Physik, Astronomie

Tabassam, Z., & Steininger, A. (2023). SET Effects on Quasi Delay Insensitive and Synchronous Circuits. In 2023 IEEE European Test Symposium (ETS). Proceedings (pp. 1–6). IEEE. <https://doi.org/10.34726/5435>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Zaitoun, A., Sagi, T., & Hose, K. (2023). Automated Ontology Evaluation: Evaluating Coverage and Correctness using a Domain Corpus. In Y. Ding, J. Tang, & J. Sequeda (Eds.), WWW '23 Companion: Companion Proceedings of the ACM Web Conference 2023 (pp. 1127–1137). Association for Computing Machinery. <https://doi.org/10.1145/3543873.3587617>

[Link](#)

101 Mathematik

102 Informatik

Garigliotti, D., Bjerva, J., Nielsen, F., Butzbach, A., Lyhne, I., Kørnøv, L., & Hose, K. (2023). Do bridges dream of water pollutants? Towards DreamsKG, a knowledge graph to make digital access for sustainable environmental assessment come true. In Y. Ding, J. Tang, & J. Sequeda (Eds.), WWW '23 Companion: Companion Proceedings of the ACM Web Conference 2023 (pp. 724–730). ACM. <https://doi.org/10.1145/3543873.3587590>

[Link](#)

101 Mathematik

102 Informatik

Antonio Zaitoun, Tomer Sagi, & Katja Hose. (2023). OntoEval: an Automated Ontology Evaluation System. In Y. Ding, J. Tang, & J. Sequeda (Eds.), WWW '23 Companion: Companion Proceedings of the ACM Web Conference 2023 (pp. 82–85). Association for Computing Machinery. <https://doi.org/10.1145/3543873.3587318>

[Link](#)

101 Mathematik

102 Informatik

Veyhe, B. E., Sagi, T., & Hose, K. (2023). Scientific Data Extraction from Oceanographic Papers. In Y. Ding, J. Tang, J. Sequeda, C. Castillo, & G.-J. Houben (Eds.), WWW '23 Companion: Companion Proceedings of the ACM Web Conference 2023 (pp. 800–804). Association for Computing Machinery. <https://doi.org/10.1145/3543873.3587595>

[Link](#)

101 Mathematik

102 Informatik

Galárraga, L., Hernández, D., Katim, A., & Hose, K. (2023). Visualizing How-Provenance Explanations for SPARQL Queries. In WWW '23 Companion: Companion Proceedings of the ACM Web Conference 2023 (pp. 212–216). Association for Computing Machinery. <https://doi.org/10.1145/3543873.3587350>

[Link](#)

101 Mathematik

102 Informatik

Yelisieiev, V., Lutsenko, V., Tepla, T., Ruzova, T., & Harasek, M. (2023). Water saturation of coal samples during long-term impregnation. In IV International Conference “ESSAYS OF MINING SCIENCE AND PRACTICE” (RMGET-2022). IV International Conference “ESSAYS OF MINING SCIENCE AND PRACTICE” (RMGET-2022), Dnipro, Ukraine, Non-EU. IOP. <https://doi.org/10.1088/1755-1315/1156/1/012022>

[Link](#)

101 Mathematik
102 Informatik
204 Chemische Verfahrenstechnik

Casamayor Pujol, V., Donta, P. K., Morichetta, A., Murturi, I., & Dustdar, S. (2023). Distributed Computing Continuum Systems – Opportunities and Research Challenges. In J. Troya, R. MIRANDOLA, E. Navarro, A. Delgado, S. Segura, G. Ortiz, C. Pautasso, C. Zirpins, P. Fernandez, & A. Ruiz-Cortes (Eds.), *Service-Oriented Computing – ICSOC 2022 Workshops* (pp. 405–407). Springer Cham. https://doi.org/10.1007/978-3-031-26507-5_41

[Link](#)

102 Informatik

Maderbacher, B., Schupp, S., Bartocci, E., Bloem, R., Nickovic, D., & Könighofer, B. (2023). Provable Correct and Adaptive Simplex Architecture for Bounded-Liveness Properties. In G. Caltais & C. Schilling (Eds.), *Model Checking Software. SPIN 2023* (pp. 141–160). Springer Cham. https://doi.org/10.1007/978-3-031-32157-3_8

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

van Zoelen, E., Mioch, T., Tajaddini, M., Fleiner, C., Tsaneva, S., Camin, P., Gouvea, T., Baraka, K., de Boer, M., & Neerinx, M. (2023). Developing Team Design Patterns for Hybrid Intelligence Systems. In P. Lukowicz, S. Mayer, J. Koch, J. Shawe-Taylor, & I. Tiddi (Eds.), *HAI 2023: Augmenting Human Intellect* (pp. 3–16). IOS Press. <https://doi.org/10.3233/FAIA230071>

[Link](#)

102 Informatik

Ramonet Marques, F., Haddadi Sisakht, B., Bösenhofer, M., & Harasek, M. (2023). Modelling of Multi-Stage Internal Loop Air Lift Bioreactor Utilizing Computational Fluid Dynamics. In B. Kling & T. Keller (Eds.), *Proceedings 17th Minisymposium Verfahrenstechnik and 8th Partikelforum* (pp. 84–89). University of Natural Resources and Life Sciences (BOKU). <https://doi.org/10.34726/5041>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Aumayr, L., Moreno-Sanchez, P., Kate, A., & Maffei, M. (2023). Breaking and Fixing Virtual Channels: Domino Attack and Donner. In *Proceedings Network and Distributed System Security Symposium 2023. 30th Annual Network and Distributed System Security Symposium (NDSS) 2023, San Diego, United States of America (the)*. <https://doi.org/10.14722/ndss.2023.24370>

[Link](#)

102 Informatik

Kopf, F., Kummerer, C., Adam, D., & Pistor, J. (2023). Tiefenrüttler – Optimale Verdichtung in Eigenfrequenz der Bodenkontaktkraft. In R. Marte & F. Tschuchnigg (Eds.), *Beiträge zum 37. Christian Veder Kolloquium* (pp. 297–316).

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wartha, E.-M., Bösenhofer, M., Kiss, M., & Harasek, M. (2023). Analysis of Coal Moderate or Intense Low-Oxygen Dilution (MILD) Combustion. In *Proceedings. 11th European Combustion Meeting 2023* (pp. 1768–1773). CORIA UMR 6614; French section Combustion institute. <https://doi.org/10.34726/4541>

[Link](#)

204 Chemische Verfahrenstechnik

Bachler, M., Kummer, L., Sehnert, A., Wassertheurer, S., Kaniusas, E., Sehnert, W., Mendgen, T., Hametner, B., & Mayer, C. (2023). Handheld Device Measures Cardiovascular Effects of Cognitive and Physical Stress. In *dHealth 2023: Proceedings of the 17th Health Informatics Meets Digital Health Conference* (pp. 123–124). IOP Press. <https://doi.org/10.3233/SHTI230024>

[Link](#)

101 Mathematik

206 Medizintechnik

Wieland, D., Ofner, S., Stabentheiner, M., Butej, B., Koller, C., Sun, J., Minetto, A., Reiser, K., Häberlen, O., Nelhiebel, M., Glavanovics, M., Pogany, D., & Ostermaier, C. (2023). A common hard-failure mechanism in GaN HEMTs in accelerated switching and single-pulse short-circuit tests. In *2023 IEEE International Reliability Physics Symposium (IRPS)* (pp. 1–6). <https://doi.org/10.1109/IRPS48203.2023.10117943>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bartocci, E., Mariani, L., Nickovic, D., & Yadav, D. (2023). Property-Based Mutation Testing. In *2023 IEEE Conference on Software Testing, Verification and Validation (ICST)* (pp. 222–233). IEEE. <https://doi.org/10.1109/ICST57152.2023.00029>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Nanz, T., Bösenhofer, M., Rieger, J., Feilmayr, C., Hauzenberger, F., Stocker, H., & Harasek, M. (2023). A Novel Test Rig for the Evaluation of Auxiliary Reducing Agents (ARAs). In J. M. Vergot & E. C. Williams (Eds.), *AISTech 2023 Proceedings* (pp. 397–403). Association for Iron and Steel Technology. <https://doi.org/10.33313/387/044>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

211 Andere Technische Wissenschaften

Bösenhofer, M., Hauzenberger, F., Stocker, H., Feilmayr, C., & Harasek, M. (2023). An Eulerian-Based Reduction Model for Iron Ore Particle Reduction. In *AISTech2023 Proceedings of the Iron & Steel Technology Conference* (pp. 358–365). Association for Iron and Steel Technology (AIST). <https://doi.org/10.33313/387/039>

[Link](#)

204 Chemische Verfahrenstechnik

211 Andere Technische Wissenschaften

Kiss, M., Bösenhofer, M., Hauzenberger, F., Stocker, H., Feilmayr, C., & Harasek, M. (2023). Investigation of the Thermally Thick Alternative Reducing Agent Behavior in the Raceway Zone. In *AISTech 2023 — Proceedings of the Iron & Steel Technology Conference* (pp. 381–391). Association for Iron & Steel Technology. <https://doi.org/10.33313/387/042>

[Link](#)

204 Chemische Verfahrenstechnik

211 Andere Technische Wissenschaften

Gabela, J., & Retscher, G. (2023). Interdisciplinary Approach to Curricula Development in Geomatics Education: Erasmus+ LBS2ITS Project. In W. Chen, L. Halounová, S. Kumar, & W. Yao (Eds.), *Volume X-5/W1-2023, 2023 | ISPRS TC V International Conference on Geomatics Education – Challenges and Prospects (ICGE22)* (pp. 19–26). ISPRS, Copernicus Publications. <https://doi.org/10.5194/isprs-annals->

X-5-W1-2023-19-2023

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sivarasa, I., Rajavarathan, J., Retscher, G., Abeyratne, V., Dammalage, T., Gabela, J., & Gikas, V. (2023). Performance Assessment of Positioning Solutions of Different Mobile Devices Using Kalman Filtering. In A. Guarnieri, A. Masiero, F. Pirotti, & A. Vettore (Eds.), Volume XLVIII-1/W1-2023, 2023 | ISPRS TC I (WG I/2). 12th International Symposium on Mobile Mapping Technology (MMT 2023) (pp. 451–456). <https://doi.org/10.5194/isprs-archives-XLVIII-1-W1-2023-451-2023>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Lukasiewicz, T., Malizia, E., & Molinaro, C. (2023). Complexity of Inconsistency-Tolerant Query Answering in Datalog+/- under Preferred Repairs. In P. Marquis, T. C. Son, & G. Kern-Isberner (Eds.), Proceedings of 20th International Conference on Principles of Knowledge Representation and Reasoning (pp. 472–481). IJCAI Organization. <https://doi.org/10.24963/kr.2023/46>

[Link](#)

101 Mathematik

102 Informatik

Jang, M., Majumder, B. P., McAuley, J., Lukasiewicz, T., & Camburu, O.-M. (2023). KNOW How to Make Up Your Mind! Adversarially Detecting and Remediating Inconsistencies in Natural Language Explanations. In A. Rogers, J. Boyd-Graber, & N. Okazaki (Eds.), Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 2: Short Papers) (pp. 540–553). Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.acl-short.47>

[Link](#)

101 Mathematik

102 Informatik

Xie, Z., & Lukasiewicz, T. (2023). An Empirical Analysis of Parameter-Efficient Methods for Debiasing Pre-Trained Language Models. In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers) (pp. 15730–15745). Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.acl-long.876>

[Link](#)

101 Mathematik

102 Informatik

Atanasova, P., Camburu, O.-M., Lioma, C., Lukasiewicz, T., Simonsen, J. G., & Augenstein, I. (2023). Faithfulness Tests for Natural Language Explanations. In Association for Computational Linguistics (Ed.), Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 2: Short Papers) (pp. 283–294). Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.acl-short.25>

[Link](#)

101 Mathematik

102 Informatik

Wang, J., Massiceti, D., Hu, X., Pavlovic, V., & Lukasiewicz, T. (2023). NP-SemiSeg: When Neural Processes meet Semi-Supervised Semantic Segmentation. In A. Krause, E. Brunskill, K. Cho, B. Engelhardt, S. Sabato, & J. Scarlett (Eds.), PMLR Proceedings of Machine Learning Research. <http://hdl.handle.net/20.500.12708/192515>

[Link](#)

101 Mathematik

102 Informatik

Zhongbin, X., Kocijan, V., Lukasiewicz, T., & Camburu, O.-M. (2023). Counter-GAP: Counterfactual Bias

Evaluation through Gendered Ambiguous Pronouns. In A. Vlachos & Isabelle Augenstein (Eds.), Proceedings of the 17th Conference of the European Chapter of the Association for Computational Linguistics (pp. 3761–3773). Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.eacl-main.272>

[Link](#)

101 Mathematik

102 Informatik

Millidge, B., Song, Y., Salvatori, T., Lukasiewicz, T., & Bogacz, R. (2023). A Theoretical Framework for Inference and Learning in Predictive Coding Networks. In The Eleventh International Conference on Learning Representations, ICLR 2023 (pp. 1–24). <http://hdl.handle.net/20.500.12708/192478>

[Link](#)

101 Mathematik

102 Informatik

Millidge, B., Song, Y., Salvatori, T., Lukasiewicz, T., & Bogacz, R. (2023). Backpropagation at the Infinitesimal Inference Limit of Energy-Based Models: Unifying Predictive Coding, Equilibrium Propagation, and Contrastive Hebbian Learning. In The Eleventh International Conference on Learning Representations, ICLR 2023 (pp. 1–14). <http://hdl.handle.net/20.500.12708/192480>

[Link](#)

101 Mathematik

102 Informatik

Wang, R., Wang, X., Xu, Z., Xu, W., Chen, J., & Lukasiewicz, T. (2023). MvCo-DoT: Multi-View Contrastive Domain Transfer Network for Medical Report Generation. In ICASSP 2023 - 2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). 2023 International Conference on Acoustics, Speech, and Signal Processing, Rhodes, Greece. IEEE. <https://doi.org/10.1109/ICASSP49357.2023.10095254>

[Link](#)

101 Mathematik

102 Informatik

Xu, G., Wang, S., Lukasiewicz, T., & Xu, Z. (2023). Adaptive-Masking Policy with Deep Reinforcement Learning for Self-Supervised Medical Image Segmentation. In 2023 IEEE International Conference on Multimedia and Expo (ICME) (pp. 2285–2290). IEEE. <https://doi.org/10.1109/ICME55011.2023.00390>

[Link](#)

101 Mathematik

102 Informatik

Zhang, H., Xu, Z., Yao, D., Zhang, S., Chen, J., & Thomas Lukasiewicz. (2023). Multi-Head Feature Pyramid Networks for Breast Mass Detection. In ICASSP 2023 - 2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). 2023 IEEE International Conference on Acoustics, Speech and Signal Processing, Rhodes, Greece. IEEE. <https://doi.org/10.1109/ICASSP49357.2023.10095967>

[Link](#)

101 Mathematik

102 Informatik

Wang, X., Wang, R., Tian, B., Zhang, J., Zhang, S., Chen, J., Lukasiewicz, T., & Xu, Z. (2023). MPS-AMS: Masked Patches Selection and Adaptive Masking Strategy Based Self-Supervised Medical Image Segmentation. In ICASSP 2023 - 2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). 2023 IEEE International Conference on Acoustics, Speech and Signal Processing, Rhodes, Greece. IEEE. <https://doi.org/10.1109/ICASSP49357.2023.10094657>

[Link](#)

101 Mathematik

102 Informatik

Mahon, L., & Lukasiewicz, T. (2023). Efficient Deep Clustering of Human Activities and How to Improve Evaluation. In E. Khan & M. Gönen (Eds.), *Proceedings of Machine Learning Research* 189, 2022 (pp. 722–737).

[Link](#)

101 Mathematik

102 Informatik

Hönig, P., & Wöber, W. (2023). Explainable Object Detection in the Field of Search and Rescue Robotics. In *Advances in Service and Industrial Robotics* (pp. 37–44). Springer. https://doi.org/10.1007/978-3-031-32606-6_5

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Khurjekar, I., Gerstoft, P., Mecklenbräuker, C. F., & Michalopoulou, Z.-H. (2023). Direction-of-Arrival Estimation Using Gaussian Process Interpolation. In *ICASSP 2023 - 2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)* (pp. 1–5). IEEE. <https://doi.org/10.1109/ICASSP49357.2023.10094761>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Byungjun Kim, Sathyanarayanan, V., Mecklenbräuker, C., & Gerstoft, P. (2023). Deep Learning based OFDM Modulation Classification without Symbol-level Synchronization. In *Proceedings of the 2023 International Conference on Acoustics, Speech and Signal Processing. ICASSP 2023, Rhodes, Greece.* IEEE.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Brunner, A. T., Markiewicz, R., Pistol, J., & Adam, D. (2023). Long-term monitoring data of the energy walls at Vienna's metro station Taborstraße. In I. Lungu, I.-B. Teodoru, & L. Batali (Eds.), *European Geotechnical Engineering, Unity and Diversity. Proceedings of the 17th Danube – European Conference on Geotechnical Engineering* (pp. 705–711).

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dafert, M., Pistol, J., Adam, D., & Kopf, F. (2023). Initial findings on the machine-ballast interaction during dynamic track stabilization. In I. Lungu, I.-B. Teodoru, & L. Batali (Eds.), *European Geotechnical Engineering, Unity and Diversity. Proceedings of the 17th Danube - European Conference on Geotechnical Engineering* (pp. 327–334).

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sigmund, J. A., Pistol, J., & Adam, D. (2023). Motion analysis of plate compactors in railway construction. In L. Batali, I. Lungu, & I.-B. Teodoru (Eds.), *Proceedings of the 17th Danube – European Conference on Geotechnical Engineering* (pp. 89–93). <http://hdl.handle.net/20.500.12708/187495>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kichaieva, O., & Adam, D. (2023). Assessment of risks associated with changes in the geotechnical environment in the urban areas. In L. Batali (Ed.), *Proceedings of the 17th Danube European Conference on Geotechnical Engineering* (pp. 713–720). <http://hdl.handle.net/20.500.12708/187071>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pohl, T. M., Arthaber, H., & Mecklenbräuker, C. F. (2023). Spatial Statistics of Received UHF RFID Phase in Indoor Environment Using Distributed Reader Antenna System. In 2023 17th European Conference on Antennas and Propagation (EuCAP) (pp. 1–4). IEEE. <https://doi.org/10.23919/EuCAP57121.2023.10133777>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Cortesi, I., Masiero, A., Pfeifer, N., & Tucci, G. (2023). On the co-registration of asynchronous multi-spectral and thermal images. In A. Guarnieri, A. Masiero, F. Pirotti, & A. Vettore (Eds.), 12th International Symposium on Mobile Mapping Technology (MMT 2023) (pp. 101–106). Copernicus Publications. <https://doi.org/10.5194/isprs-archives-XLVIII-1-W1-2023-101-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pöpl, F., Teufelsbauer, H., Ullrich, A., & Pfeifer, N. (2023). Mobile Laser Scanning with Low-Cost Navigation Sensors. In A. Guarnieri, A. Masiero, F. Pirotti, & A. Vettore (Eds.), 12th International Symposium on Mobile Mapping Technology (MMT 2023) (pp. 403–410). Copernicus Publications. <https://doi.org/10.5194/isprs-archives-XLVIII-1-W1-2023-403-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Scheu, T., Poks, A., Donner, F. P., & Weigand, M. (2023). Dynamic Simulation of a Rotorcraft Main Transmission with Continuous Variable Ratio. In Forum 79 - West Palm Beach, FL, May 2023. VFS' 79th Annual Forum & Technology Display, West Palm Beach, FL, United States of America (the). <https://doi.org/10.4050/F-0079-2023-18148>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Huber, D., Birkelbach, F., & Hofmann, R. (2023). Non-Pareto optimal solutions as enablers for versatile heat exchanger networks. In A. Kokossis, M. Georgiadis, & E. Pistikopoulos (Eds.), Proceedings of the 33rd European Symposium on Computer Aided Process Engineering (ESCAPE33). Elsevier B.V. <http://hdl.handle.net/20.500.12708/187039>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Kirisits, C., & Maly, T. (2023). Die Berechnung von Schienenverkehrslärmmissionen (RVE 04.01.02) im Rahmen der Europäischen Umgebungslärmrichtlinie und nationalen Anforderungen für die Prognose und Beurteilung von Schienenlärm. In FSV-Verkehrstag 2023 - Tagungsband (pp. 38–42). Österreichische Forschungsgesellschaft Straße - Schiene - Verkehr.

[Link](#)

201 Bauwesen

Poks, A., Lösch, M., Fallmann, M., & Kozek, M. (2023). Data-based Predictions of Load Profiles for Buildings for Flexible Optimization. In H. Gremmel-Simon (Ed.), e-nova International Conference.

Energie und Klimawandel?: Energie - Gebäude - Umwelt (pp. 49–54). Holzhausen. <https://doi.org/10.34726/4503>

[Link](#)

102 Informatik

201 Bauwesen

202 Elektrotechnik, Elektronik, Informationstechnik

Stoian, M. C., Giunchiglia, E., & Lukasiewicz, T. (2023). Exploiting T-norms for Deep Learning in Autonomous Driving. In A. S. d'Avila Garcez, T. R. Besold, M. Gori, & E. Jimenez-Ruiz (Eds.), *Proceedings of the 17th International Workshop on Neural-Symbolic Learning and Reasoning (NeSy 2023)* (pp. 369–380).

[Link](#)

101 Mathematik

102 Informatik

Piccolotto, N., Bögl, M., & Miksch, S. (2023). Multi-Ensemble Visual Analytics via Fuzzy Sets. In M. Angelini & M. El-Assady (Eds.), *EuroVis Workshop on Visual Analytics (EuroVA)* (pp. 25–30). The Eurographics Association. <https://doi.org/10.2312/eurova.20231092>

[Link](#)

101 Mathematik

102 Informatik

Pöpl, F., Pfennigbauer, M., Ullrich, A., & Pfeifer, N. (2023). Trajectory estimation with GNSS, IMU and LiDAR for terrestrial/kinematic laser scanning. In G. W. Kamerman, L. A. Magruder, & M. D. Turner (Eds.), *Laser Radar Technology and Applications XXVIII*. SPIE. <https://doi.org/10.34726/4662>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Huber, D., Werdinig, K., Birkelbach, F., & Hofmann, R. (2023). Highly efficient heat integration of a power-to-liquid process using MILP. In *Proceedings of ECOS 2023 – 36th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems*. 36th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Las Palmas de Gran Canaria, Spain.

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Kuttner, A., Marschner, S., Steindl, B., Schneider-Hornstein, K., Hofbauer, M., & Zimmermann, H. (2023). Monolithic Receiver with Nine Single-Photon Avalanche Diodes. In *2023 46th MIPRO ICT and Electronics Convention (MIPRO)* (pp. 275–279). IEEE. <https://doi.org/10.23919/MIPRO57284.2023.10159982>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Stampfer, L. (2023). Survey Tool Alignment For Real-Time Mixed Reality Information Model Interaction In Heritage Recording. In Tucci, G., C. Balletti, & V. Bonora (Eds.), *29th CIPA Symposium “Documenting, Understanding, Preserving Cultural Heritage. Humanities and Digital Technologies for Shaping the Future”* (pp. 1509–1518). ISPRS. <https://doi.org/10.5194/isprs-archives-XLVIII-M-2-2023-1509-2023>

[Link](#)

201 Bauwesen

601 Geschichte, Archäologie

604 Kunstwissenschaften

Jäger-Klein, C., Kodzoman, E., & Stampfer, L. (2023). Secondary Data Collection And Heritage Documentation - Case Study Of A Remote Documentation Of Travník's Varoska Mosque. In Tucci, G., C. Balletti, V. Bonora, F. Fassi, A. Spanò, E. I. Parisi, M. A. Previtali, & G. Sammartano (Eds.), Volume XLVIII-M-2-2023, 2023 | 29th CIPA Symposium "Documenting, Understanding, Preserving Cultural Heritage. Humanities and Digital Technologies for Shaping the Future" (pp. 751–757). ISPRS, Copernicus Publications. <https://doi.org/10.5194/isprs-archives-XLVIII-M-2-2023-751-2023>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

601 Geschichte, Archäologie

Brandstätter, F., Autengruber, M., Lukacevic, M., & Füssl, J. (2023). Numerical Simulation of Moisture-Induced Cracking in Indoor Climate. In Proceedings of the World Conference on Timber Engineering (WCTE 2023) (pp. 398–406). <https://doi.org/10.52202/069179-0054>

[Link](#)

201 Bauwesen

Pech, S., Lukacevic, M., & Füssl, J. (2023). Simulation of Wood Fracture Mechanics Using the Phase Field Method for Fracture. In Proceedings of the World Conference on Timber Engineering (WCTE 2023) (pp. 391–397). <https://doi.org/https://doi.org/10.52202/069179-0053>

[Link](#)

201 Bauwesen

Vida, C., Lukacevic, M., Hochreiner, G., Stavric, M., & Füssl, J. (2023). Size Effect of Large Glued Laminated Timber Beams - Contribution to the Ongoing Discussion. In Proceedings of the World Conference on Timber Engineering (WCTE 2023) (pp. 465–473). <https://doi.org/10.52202/069179-0063>

[Link](#)

201 Bauwesen

Kenison, G. J., Kovacs, L., & Varonka, A. (2023). From Polynomial Invariants to Linear Loops. In A. Dickenstein, E. Tsigaridas, & G. Jeronimo (Eds.), ISSAC '23: Proceedings of the 2023 International Symposium on Symbolic and Algebraic Computation (pp. 398–406). Association for Computing Machinery. <https://doi.org/10.1145/3597066.3597109>

[Link](#)

101 Mathematik

102 Informatik

Kenison, G., Nosan, K., Shirmohammadi, M., & Worrell, J. (2023). The Membership Problem for Hypergeometric Sequences with Quadratic Parameters. In A. Dickenstein, E. Tsigaridas, & G. Jeronimo (Eds.), ISSAC '23: Proceedings of the 2023 International Symposium on Symbolic and Algebraic Computation (pp. 407–416). Association for Computing Machinery. <https://doi.org/10.1145/3597066.3597121>

[Link](#)

101 Mathematik

102 Informatik

Preinstorfer, P., & Lees, J. M. (2023). Enhancing Bond Performance by Functional Grading of Concrete. In A. Ilki, D. Cavunt, & Y. Cavunt (Eds.), Building for the Future: Durable, Sustainable, Resilient. Proceedings of the fib Symposium 2023 - Volume 2 (pp. 562–570). Springer. <https://doi.org/10.34726/4562>

[Link](#)

201 Bauwesen

Zwickl-Bernhard, S., & Otti, M. (2023). Is the decarbonization of the European energy system driving district heating in Norway? In 2023 19th International Conference on the European Energy Market (EEM)

(pp. 1–5). IEEE. <https://doi.org/10.1109/EEM58374.2023.10161986>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kunecky, J., Hochreiner, G., & Hataj, M. (2023). On the Use of Finite Element Method and LEFM to Assess Bearing Capacity of Historic Notched Timber Beams at Arbitrary Location. In Y. Endo & T. Hanazato (Eds.), *Structural Analysis of Historical Constructions: SAHC 2023*. RILEM.

[Link](#)

201 Bauwesen

Behrisch, M. (2023). Weak bases for maximal clones. In *2023 IEEE 53rd International Symposium on Multiple-Valued Logic (ISMVL)* (pp. 128–133). IEEE Xplore. <https://doi.org/10.1109/ISMVL57333.2023.00034>

[Link](#)

101 Mathematik

102 Informatik

Kenison, G., Nieuwveld, J., Ouaknine, J., & Worrell, J. (2023). Positivity Problems for Reversible Linear Recurrence Sequences. In K. Etessami, U. Feige, & G. Puppis (Eds.), *50th International Colloquium on Automata, Languages, and Programming (ICALP 2023)* (pp. 1–17). Schloss Dagstuhl -- Leibniz-Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.ICALP.2023.130>

[Link](#)

102 Informatik

Behrisch, M., & Renkin, L. (2023). Computing Witnesses for Centralising Monoids on a Three-Element Set. In D. Dürrschnabel & D. López Rodríguez (Eds.), *Formal Concept Analysis: 17th International Conference, ICFCA 2023, Kassel, Germany, July 17–21, 2023, Proceedings* (pp. 109–126). Springer. https://doi.org/10.1007/978-3-031-35949-1_8

[Link](#)

101 Mathematik

102 Informatik

Salvatori, T., Millidge, B., Song, Y., Bogacz, R., & Lukasiewicz, T. (2023). Associative Memories in the Feature Space. In K. Gal, A. Nowé, & G. J. Nalepa (Eds.), *26th European Conference on Artificial Intelligence, September 30–October 4, 2023, Kraków, Poland – Including 12th Conference on Prestigious Applications of Intelligent Systems (PAIS 2023)* (pp. 2065–2072). IOS Press. <https://doi.org/10.3233/FAIA230500>

[Link](#)

101 Mathematik

102 Informatik

Perez Messina, I. B., Ceneda, D., & Miksch, S. (2023). A Methodology for Task-Driven Guidance Design. In M. Angelini & M. El-Assady (Eds.), *EuroVA 2023?: EuroVis Workshop on Visual Analytics* (pp. 37–42). The Eurographics Association. <https://doi.org/10.2312/eurova.20231094>

[Link](#)

102 Informatik

Wertjan, D., Kern, T., Csencsics, E. K., & Schitter, G. (2023). Feedforward compensation of scan-induced disturbances for a high-precision robotic 3D measurement system. In *2023 American Control Conference (ACC)* (pp. 679–684). <https://doi.org/10.23919/ACC55779.2023.10156562>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wertjan, D., Kern, T., Csencsics, E. K., & Schitter, G. (2023). Robot-based measurement system for double-sided inspection of optical components. In *I2MTC 2023 Conference Proceedings* (pp. 1–6). <https://>

doi.org/10.1109/I2MTC53148.2023.10175937

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schwella, C., Hofmann, P., Morawetz, R., Andessner, D., & Sandner, C. (2023). Entwicklung einer permanenterregten Axialflussmaschine mit direkter Wicklungskühlung für einen 48V-Mild-Hybrid Antriebsstrang. In B. Geringer (Ed.), Proceedings of the 44th International Vienna Motor Symposium 26 - 28 April 2023. Österreichischer Verein für Kraftfahrzeugtechnik (ÖVK). <http://hdl.handle.net/20.500.12708/187598>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Recski, G., & Kádár, F. (2023). Language complexity in human and machine translation: a preliminary study. In C. Orasan, R. Mitkov, G. Corpas Pastor, & J. Monti (Eds.), International Conference on Human-Informed Translation and Interpreting Technology (HiT-IT 2023). Proceedings (pp. 268–281). Incoma Ltd. <http://hdl.handle.net/20.500.12708/187885>

[Link](#)

102 Informatik

602 Sprach- und Literaturwissenschaften

Windbacher, F., Hödlmoser, M., & Gelautz, M. (2023). Single-Stage 3D Pose Estimation of Vulnerable Road Users Using Pseudo-Labels. In R. Gade, M. Felsberg, & J.-K. Kämäräinen (Eds.), Image Analysis. 22nd Scandinavian Conference, SCIA 2023, Sirkka, Finland, April 18–21, 2023, Proceedings, Part II (pp. 401–417). Springer. https://doi.org/10.1007/978-3-031-31438-4_27

[Link](#)

102 Informatik

Rakoczi, G. (2023). The Future of LMS Platforms: What Will Be the Challenges, Roles and Opportunities for Decades to Come? In Conference Proceedings. 13th International Conference The Future of Education (pp. 137–140). Filodiritto Editore. https://doi.org/10.26352/H629_2384-9509

[Link](#)

211 Andere Technische Wissenschaften

Birkelbach, F., Kasper, L., Schwarzmayr, P., & Hofmann, R. (2023). Operation planning with thermal storage units using MILP: Comparison of heuristics for approximating non-linear operating behavior. In A. M. Blanco-Marigorta, B. Del Rio Gamero, N. Melian Martel, & N. El Kori (Eds.), Proceedings of ECOS 2023. 36th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (pp. 1279–1284). ULPGC.

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Louis-Alexandre Dit Petit-Frere, J., & Waldner, M. (2023). Visual Exploration of Indirect Bias in Language Models. In T. Hoelt, W. Aigner, & B. Wang (Eds.), EuroVis 2023 - Short Papers. The Eurographics Association. <https://doi.org/10.2312/evs.20231034>

[Link](#)

102 Informatik

Mortezapoor, S., Vasylevska, K., Vonach, E., & Kaufmann, H. (2023). CoboDeck: a large-scale haptic VR system using a collaborative mobile robot. In VR 2023. Proceedings. 2023 IEEE Conference Virtual Reality and 3D User Interfaces (pp. 297–307). Institute of Electrical and Electronics Engineers (IEEE). <https://doi.org/10.34726/5241>

[Link](#)

101 Mathematik

102 Informatik

Andreeva, E., & Weninger, A. (2023). A Forkcipher-Based Pseudo-Random Number Generator. In M. Tibouchi & X. Wang (Eds.), *Applied Cryptography and Network Security* (pp. 3–31). https://doi.org/10.1007/978-3-031-33491-7_1

[Link](#)

101 Mathematik

102 Informatik

Sagmeister, D., Schörkhuber, D., Nezveda, M., Stiedl, F., Schimkowitsch, M., & Gelautz, M. (2023). Transfer learning for driver pose estimation from synthetic data. In *2023 IEEE Intelligent Vehicles Symposium (IV) Proceedings. 2023 IEEE Intelligent Vehicles Symposium (IV)*, Anchorage, AK, United States of America (the). IEEE. <https://doi.org/10.34726/5182>

[Link](#)

102 Informatik

Verhoeven, G. J., Wogrin, S., Schlegel, J., Wieser, M., & Wild, B. (2023). Facing a chameleon - how project INDIGO discovers and records new graffiti. In G. J. Verhoeven, J. Schlegel, B. Wild, S. Wogrin, & M. Carloni (Eds.), *Document, archive, disseminate graffiti-scapes?: Proceedings of the goINDIGO 2022 International Graffiti Symposium* (pp. 63–85). *Urban Creativity / AP2*. <https://doi.org/10.48619/indigo.v0i0.703>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wild, B., Verhoeven, G. J., Wogrin, S., Wieser, M., Ressler, C., Otepka-Schremmer, J., & Pfeifer, N. (2023). Urban Creativity Meets Engineering. Automated Graffiti Mapping along Vienna's Donaukanal. In G. J. Verhoeven, J. Schlegel, B. Wild, S. Wogrin, & M. Carloni (Eds.), *Document, archive, disseminate graffiti-scapes?: Proceedings of the goINDIGO 2022 International Graffiti Symposium* (pp. 131–145). *Urban Creativity / AP2*. <https://doi.org/10.48619/indigo.v0i0.705>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Melnyk, O., Huymajer, M., Huemer, C., & Galler, R. (2023). Digitalization in the Construction Industry: The Case of Documentation and Invoicing in Tunneling. In *2023 IEEE 25th Conference on Business Informatics (CBI)* (pp. 1–10). IEEE. <https://doi.org/10.1109/CBI58679.2023.10187588>

[Link](#)

102 Informatik

201 Bauwesen

502 Wirtschaftswissenschaften

Staderini, V., Glück, T., Schneider, P., Mecca, R., & Kugi, A. (2023). Surface sampling for optimal viewpoint generation. In *2023 IEEE 13th International Conference on Pattern Recognition Systems (ICPRS)* (pp. 1–7). IEEE. <https://doi.org/10.1109/ICPRS58416.2023.10179043>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Mauthner, G., Hoffmann, M., Plessing, L., Trautner, T., & Bleicher, F. (2023). Industry-Oriented System Architecture for Feature-Based Data Management in CNC Machining Processes. In R. Teti & D. M. D'Addona (Eds.), *16th CIRP Conference on Intelligent Computation in Manufacturing Engineering* (pp. 157–162). Elsevier. <https://doi.org/10.1016/j.procir.2023.06.028>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau
205 Werkstofftechnik

Numair Mansur, M., Wüstholtz, V., & Christaki, M. (2023). Dependency-Aware Metamorphic Testing of Datalog Engines. In *ISSTA 2023: Proceedings of the 32nd ACM SIGSOFT International Symposium on Software Testing and Analysis* (pp. 236–247). Association for Computing Machinery. <https://doi.org/10.1145/3597926.3598052>

[Link](#)

102 Informatik

Ounjai, J., Wüstholtz, V., & Christaki, M. (2023). Green Fuzzer Benchmarking. In *ISSTA 2023: Proceedings of the 32nd ACM SIGSOFT International Symposium on Software Testing and Analysis* (pp. 1396–1406). Association for Computing Machinery. <https://doi.org/10.1145/3597926.3598144>

[Link](#)

102 Informatik

Eisenhut, J., Torralba, Á., Christaki, M., & Hoffmann, J. (2023). Automatic Metamorphic Test Oracles for Action-Policy Testing. In S. Koenig, R. Stern, & M. Vallati (Eds.), *Proceedings of the Thirty-Third International Conference on Automated Planning and Scheduling* (pp. 109–117). Association for the Advancement of Artificial Intelligence. <https://doi.org/10.1609/icaps.v33i1.27185>

[Link](#)

102 Informatik

Vogel, L. (2023). Yes, we care? A sociomaterial perspective on care work and technology. In *Proceedings of the 21st European Conference on Computer-Supported Cooperative Work: The International Venue on Practice-centered Computing on the Design of Cooperation Technologies – Doctoral Colloquium, Reports of the European Society for Socially Embedded Technologies* (pp. 1–9). European Society for Socially Embedded Technologies. https://doi.org/10.48340/ecscw2023_dc02

[Link](#)

102 Informatik

504 Soziologie

509 Andere Sozialwissenschaften

Fischer, H., Pflieger, M.-P., & Korjenic, A. (2023). Prefabrication of Fully Ecological, Membrane-Free Timber Constructions Through Digital Manufacturing Methods. In F. G. Galizia & M. Bortolini (Eds.), *Production Processes and Product Evolution in the Age of Disruption. Proceedings of the 9th Changeable, Agile, Reconfigurable and Virtual Production Conference (CARV2023) and the 11th World Mass Customization & Personalization Conference (MCPC2023)*, Bologna, Italy, June 2023 (pp. 643–651). Springer. https://doi.org/10.1007/978-3-031-34821-1_70

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Biffel, S., Hoffmann, D., Kiesling, E., Meixner, K., Lüder, A., & Winkler, D. (2023). Validating Production Test Scenarios with Cyber-Physical System Design Models. In *2023 IEEE 25th Conference on Business Informatics (CBI)* (pp. 1–10). IEEE. <https://doi.org/10.1109/CBI58679.2023.10187499>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Aigner, C., Hofmann, G., Winkler, S., Baranyi, R., & Grechenig, T. (2023). Nutrition Garden - A gamified mobile app for motivating people to eat specific food to prevent non-communicable diseases. In *The 7th International Conference on Medical and Health Informatics (ICMHI 2023)*. 7th International Conference

on Medical and Health Informatics (ICMHI 2023), Kyoto, Japan. ACM.

[Link](#)

102 Informatik

Koren, I., Rinker, F. P., Meixner, K., Matevska, J., & Walter, J. (2023). Challenges and Opportunities of DevOps in Cyber-Physical Production Systems Engineering. In 2023 IEEE 6th International Conference on Industrial Cyber-Physical Systems (ICPS) (pp. 1–6). IEEE. <https://doi.org/10.1109/ICPS58381.2023.10128073>

[Link](#)

102 Informatik

Fenz, S., Bergmayr, J., & Giannakis, G. (2023). IFC-based building renovation scenario generator. In Proceedings of the 2023 European Conference on Computing in Construction and the 40th International CIB W78 Conference. 2023 European Conference on Computing in Construction and the 40th International CIB W78 Conference, Heraklion, Greece. <https://doi.org/10.35490/EC3.2023.170>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Streit, E. (2023). Thermische Effekte einer Efeufassade auf ungedämmte Außenwände. In Tagungsband / Conference Transcript?: Weltkongress Gebäudegrün / World Green Infrastructure (pp. 210–212). Bundesverband GebäudeGrün e.V. (BuGG). <http://hdl.handle.net/20.500.12708/187901>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Böck, M., Habchi, S., Nayrolles, M., & Cito, J. (2023). Performance Prediction From Source Code Is Task and Domain Specific. In 2023 IEEE/ACM 31st International Conference on Program Comprehension (ICPC) (pp. 35–42). IEEE. <https://doi.org/10.1109/ICPC58990.2023.00015>

[Link](#)

102 Informatik

Aigner, C., Zeillinger, V., Baur, K., Baranyi, R., & Grechenig, T. (2023). BreathIn – A Serious Game to Support Patients with Smoking Cessation?: Analysis and design study for a mobile serious game to help patients quit smoking. In The 7th International Conference on Medical and Health Informatics (ICMHI 2023). 2023 7th International Conference on Medical and Health Informatics (ICMHI 2023), Kyoto, Japan. ACM.

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Happe, A., & Jürgen, C. (2023). Getting pwn'd by AI: Penetration Testing with Large Language Models. In ESEC/FSE 2023: Proceedings of the 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (pp. 2082–2086). Association for Computing Machinery. <https://doi.org/10.1145/3611643.3613083>

[Link](#)

102 Informatik

Longobucco, M., Tai, L. X. T., Astrauskas, I., Pugžlys, A., Baltuška, A., Buczynski, R., Trippenbach, M., & Bugár, I. (2023). Complex Study of Ultrafast Dual Wavelength Nonlinear Switching in Mismatched Soft Glass Dual-Core Fibers. In CLEO: Fundamental Science 2023. CLEO 2023 - Conference on Lasers and Electro-Optics, San José, United States of America (the). Optica Publishing Group. https://doi.org/10.1364/CLEO_FS.2023.FTu4B.3

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Popmintchev, D., Imani, A., Carpeggiani, P., Roman, J., Wang, S., Yan, J., Song, S., Shumakova, V., Kaksis, E., Flöry, T., Pugžlys, A., Baltuška, A., & Popmintchev, T. (2023). Coherent EUV - Soft X-ray Light with Continuous Red and Blue Wavelength Tunability. In CLEO: Fundamental Science 2023. CLEO 2023 - Conference on Lasers and Electro-Optics, San José, United States of America (the). Optica Publishing Group. https://doi.org/10.1364/CLEO_FS.2023.FW4M.4

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Flöry, T., Stummer, V., Pupeikis, J., Willenberg, B., Nussbaum-Lapping, A., Valduga de Almeida Camargo, V., Barkauskas, M., Phillips, C. R., Keller, U., Cerullo, G., Pugžlys, A., & Baltuska, A. (2023). Nonlinear time-resolved spectroscopy with extremely high temporal dynamic range. In CLEO 2023. CLEO 2023 - Conference on Lasers and Electro-Optics, San José, United States of America (the). Optica Publishing Group. https://doi.org/10.1364/CLEO_SI.2023.SM2F.2

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Stummer, V., Flöry, T., Kaksis, E., Schneller, M., Zeiler, M., Pugžlys, A., & Baltuska, A. (2023). Single-Shot Acquisition of Hybrid-Amplified THz-Repetition-Frequency Bursts. In CLEO 2023. CLEO 2023 - Conference on Lasers and Electro-Optics, San José, United States of America (the). Optica Publishing Group. https://doi.org/10.1364/CLEO_SI.2023.SF1I.7

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Eiben, E., Ganian, R., & Kanj, I. (2023). The Parameterized Complexity of Coordinated Motion Planning. In E. Chambers & J. Gudmundsson (Eds.), 39th International Symposium on Computational Geometry, SoCG 2023 (pp. 1–16). Schloss Dagstuhl - Leibniz-Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.SoCG.2023.28>

[Link](#)

101 Mathematik

102 Informatik

Ganian, R., Hamm, T., Knop, D., Roy, S., Schierreich, Š., & Suchý, O. (2023). Maximizing Social Welfare in Score-Based Social Distance Games. In R. Verbrugge (Ed.), Proceedings Nineteenth conference on Theoretical Aspects of Rationality and Knowledge (pp. 272–286). <https://doi.org/10.4204/EPTCS.379.22>

[Link](#)

101 Mathematik

102 Informatik

Fichte, J. K., Ganian, R., Hecher, M., Slivovsky, F., & Ordyniak, S. (2023). Structure-Aware Lower Bounds and Broadening the Horizon of Tractability for QBF. In 2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS) (pp. 1–14). IEEE. <https://doi.org/10.1109/LICS56636.2023.10175675>

[Link](#)

101 Mathematik

102 Informatik

Eiben, E., Ganian, R., Kanj, I., Ordyniak, S., & Szeider, S. (2023). The Computational Complexity of Concise Hypersphere Classification. In A. Krause, E. Brunskill, K. Cho, B. Engelhardt, S. Sabato, & J. Scarlett (Eds.), Proceedings of the 40th International Conference on Machine Learning (pp. 9060–9070).

[Link](#)

101 Mathematik

102 Informatik

Bhore, S., Ganian, R., Khazaliya, L., Montecchiani, F., & Nöllenburg, M. (2023). Extending Orthogonal

Planar Graph Drawings Is Fixed-Parameter Tractable. In E. Chambers & J. Gudmundsson (Eds.), 39th International Symposium on Computational Geometry (pp. 1–16). Schloss Dagstuhl - Leibniz-Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.SoCG.2023.18>

[Link](#)

101 Mathematik

102 Informatik

Brand, C., Ganian, R., & Simonov, K. (2023). A Parameterized Theory of PAC Learning. In B. Williams, Y. Chen, & J. Neville (Eds.), Proceedings of the AAAI Conference on Artificial Intelligence (pp. 6834–6841). AAAI Press. <https://doi.org/10.1609/aaai.v37i6.25837>

[Link](#)

101 Mathematik

102 Informatik

Eiben, E., Ganian, R., Hamm, T., & Korchemna, V. (2023). A Structural Complexity Analysis of Synchronous Dynamical Systems. In B. Williams, Y. Chen, & J. Neville (Eds.), Proceedings of the 37th AAAI Conference on Artificial Intelligence (pp. 6313–6321). AAAI Press. <https://doi.org/10.1609/aaai.v37i5.25777>

[Link](#)

101 Mathematik

102 Informatik

Blažej, V., Ganian, R., Knop, D., Pokorný, J., Schierreich, Š., & Simonov, K. (2023). The Parameterized Complexity of Network Microaggregation. In B. Williams, Y. Chen, & J. Neville (Eds.), Proceedings of the 37th AAAI Conference on Artificial Intelligence (pp. 6262–6270). AAAI Press. <https://doi.org/10.1609/aaai.v37i5.25771>

[Link](#)

101 Mathematik

102 Informatik

Hunold, S., & Steiner, S. (2023). OMPICollTune: Autotuning MPI Collectives by Incremental Online Learning. In Proceedings of PMBS 2022: performance modeling, benchmarking and simulation of high performance computer systems (pp. 123–128). IEEE. <https://doi.org/10.1109/PMBS56514.2022.00016>

[Link](#)

102 Informatik

Fellner, D., Strasser, T., & Kastner, W. (2023). The DeMaDs Open Source Modeling Framework for Power System Malfunction Detection. In Proceedings: 2023 Open Source Modelling and Simulation of Energy Systems (OSMSES). 2023 Open Source Modelling and Simulation of Energy Systems (OSMSES), Aachen, Germany. <https://doi.org/10.1109/OSMSES58477.2023.10089746>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Hollerer, S., Kastner, W., & Sauter, T. (2023). Safety and Security: A Field of Tension in Industrial Practice. In Proceedings 2023 IEEE 21st International Conference on Industrial Informatics (INDIN) (pp. 1–7). IEEE. <https://doi.org/10.1109/INDIN51400.2023.10217900>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Kropatschek, S., Hollerer, S., Hoffman, D., Winkler, D., Lüder, A., Sauter, T., Kastner, W., & Biffel, S. (2023). Combining Models for Safety and Security Concerns in Automating Digital Production. In 2023

IEEE 21st International Conference on Industrial Informatics (INDIN) (pp. 1–8). IEEE. <https://doi.org/10.1109/INDIN51400.2023.10218184>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Pulikottil Alex, S., Stepniewski, G., Baltuška, A., Buczynski, R., & Bugár, I. (2023). Chemical Sensor Utilizing a New Type of D-Shaped Optical Fiber. In Proceedings 23rd International Conference on Transparent Optical Networks (ICTON) (pp. 1–4). <https://doi.org/10.1109/ICTON59386.2023.10207303>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Christaki, M., Eniser, H. F., Hoffmann, J., Singla, A., & Wüstholtz, V. (2023). Specifying and Testing k-Safety Properties for Machine-Learning Models. In Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (IJCAI-23) (pp. 4748–4757). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/528>

[Link](#)

102 Informatik

Vetyukov, Y. (2023). Vibrations of a flexible rod partially sliding in a rigid sleeve: finite element and semi-analytical solutions for the the dancing rod problem. In Proceedings of the 13th International Symposium on Vibrations of Continuous Systems (pp. 65–67). <https://doi.org/10.34726/4821>

[Link](#)

101 Mathematik

203 Maschinenbau

Lösch, M., Fallmann, M., & Kozek, M. (2023). Control-oriented test bed for mobile air conditioning systems. In H. Gremmel-Simon (Ed.), e-nova International Conference. Energie und Klimawandel?: Energie - Gebäude - Umwelt?: 14. und 15. Juni 2023?: Band 26 (pp. 281–286). Holzhausen. <https://doi.org/10.34726/5228>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Gollner, C., Jutas, R., Kreil, D., Dirin, D. N., Boehme, S. C., Baltuska, A., Kovalenko, M. V., Koulouklidis, A. D., Fedorov, V. Yu., Shumakova, V., Tzortzakis, S., Shalaby, M., & Pugzlys, A. (2023). Highly efficient mid-IR driven THz generation, and applications for nonlinear perturbation of matter. In Proceedings Optica Nonlinear Optics Topical Meeting 2023. Optica Nonlinear Optics Topical Meeting 2023, Honolulu, United States of America (the). Optica Publishing Group.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Veronese, L., Farinier, B., Bernardo, P., Tempesta, M., Squarcina, M., & Maffei, M. (2023). WebSpec: Towards Machine-Checked Analysis of Browser Security Mechanisms. In 2023 IEEE Symposium on Security and Privacy (SP) (pp. 2761–2779). IEEE. <https://doi.org/10.1109/SP46215.2023.10179465>

[Link](#)

101 Mathematik

102 Informatik

Kartnig, G., Trost, P., & Eder, M. (2023). RCS/RS under throughput investigation. In 16th Proceedings IMHRC Dresden Germany. 16th International Material Handling Research Colloquium (IMHRC 2023), Dresden, Germany. Digital Commons@Georgia Southern. <https://doi.org/10.34726/5121>

[Link](#)

203 Maschinenbau

Sanchez, R., Conrads, L., Welke, P., Cvejovski, K., & Ojeda, C. (2023). Hidden Schema Networks. In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers) (pp. 4764–4798). Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.acl-long.263>

[Link](#)

102 Informatik

Toborek, V., Busch, M., Boßert, M., Bauckhage, C., & Welke, P. (2023). A New Aligned Simple German Corpus. In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (pp. 11393–11412). Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.acl-long.638>

[Link](#)

102 Informatik

Baumann, C., Mates, S. P., Krall, S., & Bleicher, F. (2023). Introduction of a constitutive material model considering variable carbon content for cutting simulation. In V. Schulze & D. Biermann (Eds.), 19th CIRP Conference on Modeling of Machining Operations (pp. 305–310). Elsevier. <https://doi.org/10.1016/j.procir.2023.03.052>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Pohl, T. M., Arthaber, H., & Mecklenbrauker, C. F. (2023). Reconstruction of Passive UHF RFID Tag Trajectories with a Distributed Antenna Reader System. In Proceedings: 2023 IEEE International Conference on RFID (RFID) (pp. 7–12). <https://doi.org/10.1109/RFID58307.2023.10178462>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wild, B., Verhoeven, G. J., & Pfeifer, N. (2023). Tracking the urban chameleon - towards a hybrid change detection of graffiti. In Volume X-M-1-2023, 2023 | 29th CIPA Symposium “Documenting, Understanding, Preserving Cultural Heritage. Humanities and Digital Technologies for Shaping the Future” (pp. 285–292). ISPRS, Copernicus Publications. <https://doi.org/10.5194/isprs-annals-X-M-1-2023-285-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Brandstatter, A., Smolka, S. A., Stoller, S. D., Tiwari, A., & Grosu, R. (2023). Multi-Agent Spatial Predictive Control with Application to Drone Flocking. In 2023 IEEE International Conference on Robotics and Automation (ICRA) (pp. 1221–1227). IEEE. <https://doi.org/10.1109/ICRA48891.2023.10160617>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Kusa, W., Lipani, A., Knoth, P., & Hanbury, A. (2023). VoMBaT: a tool for visualising evaluation measure behaviour in high-recall search tasks. In SIGIR '23: Proceedings of the 46th International ACM SIGIR Conference on Research and Development in Information Retrieval (pp. 3105–3109). Association for Computing Machinery. <https://doi.org/10.1145/3539618.3591802>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Kusa, W., Zuccon, G., Knoth, P., & Hanbury, A. (2023). Outcome-based evaluation of systematic review

automation. In ICTIR '23: Proceedings of the 2023 ACM SIGIR International Conference on Theory of Information Retrieval (pp. 125–133). Association for Computing Machinery. <https://doi.org/10.1145/3578337.3605135>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Howind, S., & Sauter, T. (2023). Modeling Energy Consumption of Industrial Processes with Seq2Seq Machine Learning. In 2023 IEEE 32nd International Symposium on Industrial Electronics (ISIE) (pp. 1–4). IEEE. <https://doi.org/10.1109/ISIE51358.2023.10228118>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schmid, S. J., Zelaya-Lainez, L., Lahayne, O., Peyerl, M., & Pichler, B. L. A. (2023). Hourly-Repeated Three-Minutes Creep Testing of a Limestone Calcined Clay Cement Paste (LC3). In A. Jedrzejewska, F. Kanavaris, M. Azenha, F. Benboudjema, & D. Schlicke (Eds.), International RILEM Conference on Synergising Expertise towards Sustainability and Robustness of Cement-based Materials and Concrete Structures (pp. 291–299). Springer. https://doi.org/10.1007/978-3-031-33187-9_28

[Link](#)

201 Bauwesen

Welke, P., Thiessen, M., Jogl, F., & Gärtner, T. (2023). Expectation-Complete Graph Representations with Homomorphisms. In A. Krause, E. Brunskill, K. Cho, B. Engelhardt, S. Sabato, & J. Scarlett (Eds.), Proceedings of the 40th International Conference on Machine Learning (pp. 36910–36925). Proceedings of Machine Learning Research.

[Link](#)

102 Informatik

Fellner, D., Strasser, T., Wolfgang Kastner, Feizifar, B., & Abdulhadi, I. F. (2023). An Operational Data-Driven Malfunction Detection Framework for Enhanced Power Distribution System Monitoring – The DeMaDs Approach. In 27th International Conference on Electricity Distribution (CIRED 2023) (pp. 70–74). <https://doi.org/10.1049/icp.2023.0244>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Spiegel, M. H., & Strasser, T. (2023). Meteorological Benchmark Forecasts for Energy Management Systems. In 27th International Conference on Electricity Distribution (CIRED 2023) (pp. 3387–3391). <https://doi.org/10.1049/icp.2023.0842>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Brandauer, C., Linecker, S., Prästl Andrén, F., Gavriluta, C., Strasser, T., Veichtlbauer, A., Steinmaurer, G., Resch, J., & Schöndorfer, S. (2023). A Collaborative Engineering and Validation Framework for Smart Grid Automation Applications – The PowerTeams Approach. In 27th International Conference on Electricity Distribution (CIRED 2023) (pp. 2777–2782). <https://doi.org/10.1049/icp.2023.1052>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Korjenic, A. (2023). Mehr grüne Schulen. In G. Mann (Ed.), Tagungsband / Conference Transcript?:

Weltkongress Gebäudegrün / World Green Infrastructure (pp. 126–129). Bundesverband GebäudeGrün e.V. (BuGG).

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Du, Z. P., Kofler, S., Ritzberger, D., Jakubek, S., & Hametner, C. (2023). Optimal design of experiments model predictive controller. In 22nd IFAC World Congress. Yokohama, Japan, July 9-14, 2023.

Proceedings (pp. 11173–11178). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.839>

[Link](#)

104 Chemie

203 Maschinenbau

Brand, C., Korchemna, V., & Skotnica, M. (2023). Deterministic Constrained Multilinear Detection. In J. Leroux, S. Lombardy, & D. Peleg (Eds.), 48th International Symposium on Mathematical Foundations of Computer Science (MFCS 2023) (pp. 1–14). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.MFCS.2023.25>

[Link](#)

101 Mathematik

102 Informatik

Brand, C., Koutecký, M., & Lassota, A. (2023). A Polyhedral Perspective on Tropical Convolutions. In S.-Y. Hsieh, L.-J. Hung, & C.-W. Lee (Eds.), Combinatorial Algorithms?: 34th International Workshop, IWOCA 2023, Tainan, Taiwan, June 7–10, 2023, Proceedings (pp. 111–122). Springer. https://doi.org/10.1007/978-3-031-34347-6_10

[Link](#)

101 Mathematik

102 Informatik

Poletanovic, B., Janotka, I., Janek, M., & Merta, I. (2023). Influence of sodium hydroxide-treated hemp fibres on the mechanical properties of fly ash-based fibre reinforced mortars. In V. Bilek, F. Khestl, P. Miarka, & S. Seidl (Eds.), Proceeding of the International Conference Non-Traditional Cement & Concrete VII (pp. 56–56). <http://hdl.handle.net/20.500.12708/189673>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Stollwitzer, A., Bettinelli, L., & Fink, J. (2023). Untersuchung der longitudinalen und lateralen Gleis-Tragwerk Interaktion auf Eisenbahnbrücken mit Schotteroberbau. In F. Wuttke, D. B. A. Hendrawan, & A. Ö. Özarmut (Eds.), Tagungsband der 18. D-A-CH Tagung Erdbebeningenieurwesen und Baudynamik, 14. - 15. September 2023, Kiel, Deutschland (pp. 259–267). Deutsche Gesellschaft für Erdbebeningenieurwesen und Baudynamik (DGEB) e.V.

[Link](#)

201 Bauwesen

Bettinelli, L., Stollwitzer, A., & Fink, J. (2023). Einfluss der Fahrzeug-Gleis-Tragwerk Interaktion auf die Beschleunigungen bei Überfahrtsberechnungen im Hochgeschwindigkeitszugverkehr. In F. Wuttke, H. D. B. Aji, & A. Ö. Özarmut (Eds.), Tagungsband der 18. D-A-CH Tagung Erdbebeningenieurwesen und Baudynamik, 14.-15. September 2023, Kiel, Deutschland (pp. 337–346). Deutsche Gesellschaft für Erdbebeningenieurwesen und Baudynamik (DGEB) e.V.

[Link](#)

201 Bauwesen

Sarkisov, Y., Coelho, A., Santos, M. G., Kim, M. J., Tsetserukou, D., Ott, C., & Kondak, K. (2023). Hierarchical Whole-body Control of the cable-Suspended Aerial Manipulator endowed with Winch-based Actuation. In 2023 IEEE International Conference on Robotics and Automation (ICRA) (pp. 5366–5372). IEEE. <https://doi.org/10.1109/ICRA48891.2023.10160718>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

De Stefano, M., Vijayan, R., Stemmer, A., Elhardt, F., & Ott, C. (2023). A Gravity Compensation Strategy for On-ground Validation of Orbital Manipulators. In 2023 IEEE International Conference on Robotics and Automation (ICRA) (pp. 11859–11865). IEEE. <https://doi.org/10.1109/ICRA48891.2023.10161480>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Fauth, J., Strnadl, C., Heitzhausen, H., Florek, M., Brenner, M., Seiss, S., Nakrani, P., Poetz, A., Diaz, J., & Mueller, W. (2023). Requirements and framework for Gaia-x-based building permit processes. In Proceedings of the 2023 European Conference on Computing in Construction and the 40th International CIB W78 Conference. 2023 European Conference on Computing in Construction and the 40th International CIB W78 Conference, Crete, Greece. <https://doi.org/10.35490/EC3.2023.216>

[Link](#)

201 Bauwesen

Zentgraf, S., Fauth, J., Hagedorn, P., Seiß, S., Smarsly, K., Koenig, M., & Melzner, J. (2023). OntoBPR: Ontology-based workflow and concept for building permit reviews. In EG-ICE 2023 Conference Papers (pp. 1–10).

[Link](#)

201 Bauwesen

Müller, S., Toborek, V., Beckh, K., Jakobs, M., Bauckhage, C., & Welke, P. (2023). An Empirical Evaluation of the Rashomon Effect in Explainable Machine Learning. In D. Koutra, C. Plant, M. Gomez Rodriguez, E. Baralis, & F. Bonchi (Eds.), Machine Learning and Knowledge Discovery in Databases: Research Track?: European Conference, ECML PKDD 2023, Turin, Italy, September 18–22, 2023, Proceedings, Part III (pp. 462–478). Springer. https://doi.org/10.1007/978-3-031-43418-1_28

[Link](#)

102 Informatik

Stauß, P., Rasoulzadeh, S., Reisinger, J., & Kovacic, I. (2023). From Sketching to BIM – Workflow for the generation of IFC-based BIM models from 4D semantic sketches. In W. Dokonal, U. Hirschberg, & G. Wurzer (Eds.), Digital Design Reconsidered - Proceedings of the 41st Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe 2023) (pp. 241–250). <https://doi.org/10.52842/conf.ecaade.2023.1.241>

[Link](#)

201 Bauwesen

Lode, A. U. J., Alon, O. E., Arnold, J., Bhowmik, A., Büttner, M., Cederbaum, L. S., Chatterjee, B., Chitra, R., Dutta, S., Georges, C., Hemmerich, A., Keßler, H., Klinder, J., Lévêque, C., Lin, R., Molignini, P., Schäfer, F., Schmiedmayer, J., & Žonda, M. (2023). Quantum simulators, phase transitions, resonant tunneling, and variances: A many-body perspective. In W. E. Nagel, D. Kröner, & M. M. Resch (Eds.), High Performance Computing in Science and Engineering '21?: Transactions of the High Performance Computing Center, Stuttgart (HLRS) 2021 (pp. 35–59). Springer. https://doi.org/10.1007/978-3-031-17937-2_3

[Link](#)

103 Physik, Astronomie

Raabe, L., Andriolli, F., Lorenz, W., & Wurzer, G. (2023). F2F - Algorithmic approach on kindergarten architecture. In W. Dokonal, U. Hirschberg, & G. Wurzer (Eds.), Digital Design Reconsidered -

Proceedings of the 41st Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe 2023) (pp. 99–108). eCAADe. <https://doi.org/10.52842/conf.ecaade.2023.1.099>

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Hunold, S., & Kraßnitzer, K. D. V. (2023). A Quantitative Analysis of OpenMP Task Runtime Systems. In A. Gainaru, C. Zhang, & C. Luo (Eds.), *Benchmarking, Measuring, and Optimizing?: 14th BenchCouncil International Symposium, Bench 2022, Virtual Event, November 7-9, 2022, Revised Selected Papers* (pp. 3–18). Springer. https://doi.org/10.1007/978-3-031-31180-2_1

[Link](#)

102 Informatik

Shan, Y., Viernstein, B., & Kozeschnik, E. (2023). Microstructure evolution subroutine for finite element analysis. In C. Sommitsch, N. Enzinger, & P. Mayr (Eds.), *Mathematical Modelling of Weld Phenomena 13* (pp. 407–412). Verlag der Technischen Universität Graz. <https://doi.org/10.3217/978-3-85125-968-1>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Bielik, M., Neubauer, E., Kitzmantel, M., Neubauer, I., & Kozeschnik, E. (2023). A simulation approach for series production of plasma-based additive manufacturing of Ti-6Al-4V components. In C. Sommitsch, N. Enzinger, & P. Mayr (Eds.), *Mathematical Modelling of Weld Phenomena 13* (pp. 361–393). Verlag der Technischen Universität Graz. <https://doi.org/10.3217/978-3-85125-968-1-20>

[Link](#)

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Stollwitzer, A., Bettinelli, L., & Fink, J. (2023). Experimental analysis of longitudinal and lateral track-bridge interaction of the ballasted track in railway bridges. In A. Strauss & K. Bergmeister (Eds.), *EUROSTRUCT 2023?: European Association on Quality Control of Bridges and Structures?: Digital Transformation in Sustainability* (pp. 430–439). Ernst & Sohn. <https://doi.org/10.1002/cepa.2128>

[Link](#)

201 Bauwesen

Krásná, H., Gordon, D., de Witt, A., & Jacobs, C. (2023). The K-Band (24 GHz) Celestial Reference Frame Determined from Very Long Baseline Interferometry Sessions Conducted Over the Past 20 Years. In *International Association of Geodesy Symposia* (pp. 1–8). Springer. https://doi.org/10.1007/1345_2023_209

[Link](#)

[Link](#)

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Abbas, S., Robinson, A. J., & Papadokostantakis, S. (2023). Superstructure configuration and optimization of the biofuel production perspectives in Austria. In A. C. Kokossis, M. Georgiadis, & E. Pistikopoulos (Eds.), *33rd European Symposium on Computer Aided Process Engineering* (pp. 619–624). Elsevier. <https://doi.org/10.1016/B978-0-443-15274-0.50098-6>

[Link](#)

101 Mathematik

204 Chemische Verfahrenstechnik

Schwarzmayr, P., Birkelbach, F., Walter, H., & Hofmann, R. (2023). Study on the Standby Characteristics of a Packed Bed Thermal Energy Storage: Experimental Results and Model Based Parameter Optimization. In *ASME Power Applied R&D 2023*. ASME Power Applied R&D 2023, Long Beach,

California, United States of America (the). <https://doi.org/10.1115/POWER2023-108578>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Fischer, M., Schenzel, K. W., & Hofmann, R. (2023). Multi-stage optimization for marketing industrial flexibility. In A. C. Kokossis, M. Georgiadis, & E. Pistikopoulos (Eds.), 33rd European Symposium on Computer Aided Process Engineering (pp. 215–220). Elsevier. <https://doi.org/10.1016/B978-0-443-15274-0.50035-4>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Kasess, C., Maly, T., & Waubke, H. (2023). Modeling multiple reflections between trains and noise barriers in the European noise prediction approach. In Forum Acusticum 2023?: Convention of the European Acoustics Association. Forum Acusticum 2023?: 10th Convention of the European Acoustics Association, Turin, Italy.

[Link](#)

201 Bauwesen

Schuchart, J., Hunold, S., & Bosilca, G. (2023). Synchronizing MPI Processes in Space and Time. In EuroMPI “23: Proceedings of the 30th European MPI Users” Group Meeting (pp. 1–11). ACM. <https://doi.org/10.1145/3615318.3615325>

[Link](#)

102 Informatik

Bösenhofer, M. (2023). Operator splitting versus source linearization for the reaction-(advection)-diffusion equation in OpenFOAM®. In 31. Deutscher Flammentag Manuskripte. 31. Deutscher Flammentag, Berlin, Germany.

[Link](#)

101 Mathematik

204 Chemische Verfahrenstechnik

Cai, S. (2023). Local Search and Its Application in CDCL/CDCL(T) solvers for SAT/SMT. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 6–6). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_6

[Link](#)

102 Informatik

Träff, J. L., & Vardas, I. (2023). Library Development with MPI: Attributes, Request Objects, Group Communicator Creation, Local Reductions, and Datatypes. In Proceedings of the 30th European MPI Users’ Group Meeting (EUROMPI 23). 30th European MPI Users’ Group Meeting (EuroMPI 2023), Bristol, United Kingdom of Great Britain and Northern Ireland (the). ACM. <https://doi.org/10.1145/3615318.3615323>

[Link](#)

102 Informatik

Frieder, S., Pinchetti, L., Chevalier, A., Griffiths, R.-R., Salvatori, T., Lukasiewicz, T., Petersen, P., & Berner, J. (2023). Mathematical Capabilities of ChatGPT. In Advances in Neural Information Processing Systems 36 pre-proceedings (NeurIPS 2023). 37th Conference on Neural Information Processing Systems (NeurIPS 2023), New Orleans, United States of America (the).

[Link](#)

101 Mathematik

102 Informatik

Bassan, S., Amir, G., Corsi, D., Refaeli, I., & Katz, G. (2023). Formally Explaining Neural Networks within Reactive Systems. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 10–22). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_9

[Link](#)

102 Informatik

Wu, H., Hahn, C., Lonsing, F. M., Mann, M., Ramanujan, R., & Barrett, C. (2023). Lightweight Online Learning for Sets of Related Problems in Automated Reasoning. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 23–33). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_10

[Link](#)

102 Informatik

Ohrhallinger, S., Parakkat, A. D., & Memari, P. (2023). Feature-Sized Sampling for Vector Line Art. In Pacific Graphics 2023 - Short Papers and Posters. The 31th Pacific Conference on Computer Graphics and Applications (Pacific Graphics 2023), Daejeon, Korea (the Democratic People's Republic of). <https://doi.org/10.2312/pg.20231268>

[Link](#)

101 Mathematik

102 Informatik

Elsaleh, R., & Katz, G. (2023). DelBugV: Delta-Debugging Neural Network Verifiers. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 34–43). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_11

[Link](#)

102 Informatik

Yu, E., Froleys, N., Biere, A., & Heljanko, K. (2023). Towards Compositional Hardware Model Checking Certification. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 44–54). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_12

[Link](#)

102 Informatik

Tafese, J., Gurfinkel, A., & Garcia-Contreras, I. (2023). Btor2MLIR: A Format for Hardware Verification. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 55–63). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_13

[Link](#)

102 Informatik

Thakkar, A. H., & D'Souza, D. (2023). Data-Driven Learning of Strong Conjunctive Invariants. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 64–74). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_14

[Link](#)

102 Informatik

Behrle, R., Den Hertog, M. I., Lugstein, A., Weber, W. M., & Sistani, M. (2023). Bias Spectroscopy of Negative Differential Resistance in Ge Nanowire Cascode Circuits. In ESSDERC 2023 - IEEE 53rd European Solid-State Device Research Conference (ESSDERC) (pp. 37–40). IEEE. <https://doi.org/10.34726/5319>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bhat, S. G., & Nagar, K. (2023). Automating Cutoff-based Verification of Distributed Protocols. In A. Nadel & K. Y. Rozier (Eds.), *Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023* (pp. 75–85). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_15

[Link](#)

102 Informatik

Casamayor Pujol, V., & Dustdar, S. (2023). Towards a Prime Directive of SLOs. In *Proceedings 2023 IEEE International Conference on Software Services Engineering (IEEE SSE 2023)* (pp. 61–70). IEEE. <https://doi.org/10.1109/SSE60056.2023.00019>

[Link](#)

102 Informatik

Claessens, A., Ivandikov, F., Bara, S., Chhetri, P., Dragoun, A., Düllmann, C., Elskens, Y., Ferrer, R., Kraemer, S., Kudryavtsev, Y., Renisch, D., Romans, J., Rosecker, V., de Roubin, A., Schumm, T., Van den Bergh, P., & Van Duppen, P. (2023). Laser ionization scheme development for in-gas-jet spectroscopy studies of Th⁺. In T. Shin, D. S. Ahn, S. H. T. Ahn, & A. Navin (Eds.), *Proceedings of the XIX International Conference on Electromagnetic Isotope Separators and Related Topics (EMIS 2022)*, IBS/RISP, Daejeon Korea, 3–7 October 2022 (pp. 224–226). Elsevier. <https://doi.org/10.1016/j.nimb.2023.04.019>

[Link](#)

103 Physik, Astronomie

Marmanis, I., & Vafeiadis, V. (2023). Optimal Bounded Partial Order Reduction. In A. Nadel & K. Y. Rozier (Eds.), *Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023* (pp. 86–91). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_16

[Link](#)

102 Informatik

Coward, S., Morini, E., Tan, B., Drane, T., & Constantinides, G. (2023). Datapath Verification via Word-Level E-Graph Rewriting. In A. Nadel & K. Y. Rozier (Eds.), *Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023* (pp. 92–100). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_17

[Link](#)

102 Informatik

Tollec, S., Asavaoe, M., Couroussé, D., Heydemann, K., & Jan, M. (2023). μ ArchiFI: Formal Modeling and Verification Strategies for Microarchitectural Fault Injections. In A. Nadel & K. Y. Rozier (Eds.), *Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023* (pp. 101–109). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_18

[Link](#)

102 Informatik

Ryan, K., & Sturton, C. (2023). Sylvia: Countering the Path Explosion Problem in the Symbolic Execution of Hardware Designs. In A. Nadel & K. Y. Rozier (Eds.), *Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023* (pp. 110–121). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_19

[Link](#)

102 Informatik

Pastva, S., & Henzinger, T. A. (2023). Binary decision diagrams on modern hardware. In A. Nadel & K. Y.

Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 122–131). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_20

[Link](#)

102 Informatik

Kiesl-Reiter, B., & Whalen, M. W. (2023). Proofs for Incremental SAT with Inprocessing. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 132–140). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_21

[Link](#)

102 Informatik

Codel, C., Avigad, J., & Heule, M. (2023). Verified Encodings for SAT Solvers. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 141–151). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_22

[Link](#)

102 Informatik

Fazekas, K., Aman, G., & Sakallah, K. (2023). SAT-Based Quantified Symmetric Minimization of the Reachable States of Distributed Protocols. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 152–161). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_23

[Link](#)

102 Informatik

Froleyks, N., Yu, E., & Biere, A. (2023). BIG Backbones. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 162–167). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_24

[Link](#)

102 Informatik

Li, B., & Cai, S. (2023). Local Search For SMT On Linear and Multilinear Real Arithmetic. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 168–177). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_25

[Link](#)

102 Informatik

Zhou, Y., Bosamiya, J., Takashima, Y., Li, J. G., Heule, M., & Parno, B. (2023). Mariposa: Measuring SMT Instability in Automated Program Verification. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 178–188). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_26

[Link](#)

102 Informatik

Mohamed, A., Reynolds, A., Barrett, C., & Tinelli, C. (2023). A Procedure for SyGuS Solution Fitting via Matching and Rewrite Rule Discovery. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 189–198). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_27

[Link](#)

102 Informatik

Wilson, A., Noetzli, A., Reynolds, A., Cook, B., Tinelli, C., & Barrett, C. (2023). Partitioning Strategies for Distributed SMT Solving. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on

Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 199–208). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_28

[Link](#)

102 Informatik

Ciabattoni, A., Dik, J. F., & Freschi Elisa. (2023). Disambiguating Permissions: A Contribution from Mimamsa. In J. Maranhão, C. Peterson, C. Strasser, & L. van der Torre (Eds.), *Deontic Logic and Normative Systems - 16th International Conference, DEON 2023* (pp. 99–118). College Publications.

[Link](#)

102 Informatik

Larraz, D., Lorch, R., Yahyazadeh, M., Arif, M. F., Chowdhury, O., & Tinelli, C. (2023). CRV: An Automated Resiliency Reasoner for System Design Models. In A. Nadel & K. Y. Rozier (Eds.), *Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023* (pp. 209–220). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_29

[Link](#)

102 Informatik

Ecker, H. (2023). Probability Analysis and Uncertainty Theory: Useful Methods for the Reconstruction Expert. In *Proceedings of the 31st Annual Congress of the European Association for Accident Research and Analysis. 31st Annual Congress of the European Association for Accident Research and Analysis, Limassol, Cyprus.*

[Link](#)

203 Maschinenbau

Meng, B., Debnath, J., Varanasi, S. C., Manolios, E., Durling, M., Paul, S., Prince, D., Alsabbagh, S., Haadsma, R., McMillan, C., Zhang, C., & Oates, T. (2023). Towards a Correct-by-Construction Design of Integrated Modular Avionics. In A. Nadel & K. Y. Rozier (Eds.), *Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023* (pp. 221–227). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_30

[Link](#)

102 Informatik

Pichler, D., & Parent, X. (2023). Perspectival obligation and extensionality in an alethic-deontic setting. In J. Maranhão, C. Peterson, C. Straßer, & L. van der Torre (Eds.), *Deontic Logic and Normative Systeme - 16. International Conference, DEON 2023* (pp. 57–77). College Publications. <http://hdl.handle.net/20.500.12708/189829>

[Link](#)

102 Informatik

Zhang, C., Dardik, I., Meira-Góes, R., Garlan, D., & Kang, E. (2023). Fortis: A Tool for Analysis and Repair of Robust Software Systems. In A. Nadel & K. Y. Rozier (Eds.), *Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023* (pp. 228–236). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_31

[Link](#)

102 Informatik

Bernardes Fernandes Ferreira, N., Moscato, M., Titolo, L., & Ayala-Rincon, M. (2023). A provably correct floating-point implementation of Well Clear Avionics Concepts. In A. Nadel & K. Y. Rozier (Eds.), *Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023* (pp. 237–246). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_32

[Link](#)

102 Informatik

Park, K., Johnson, K., D'Antoni, L., & Reps, T. (2023). Modular System Synthesis. In A. Nadel & K. Y.

Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 257–267). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_34

[Link](#)

102 Informatik

Godbole, A., Ye, L., Manerkar, Y. A., & Seshia, S. (2023). Modelling and Verification of Security-Oriented Resource Partitioning Schemes. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 268–273). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_35

[Link](#)

102 Informatik

Lam, K., & Coughlin, N. (2023). Lift-off: Trustworthy ARMv8 semantics from formal specifications. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 274–283). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_36

[Link](#)

102 Informatik

Taylor, L., Israelsen, B., & Zhang, Z. (2023). Cycle and Commute: Rare-Event Probability Verification for Chemical Reaction Networks. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 284–293). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_37

[Link](#)

102 Informatik

Qin, X., Hashemi, N., Lindemann, L., & Deshmukh, J. V. (2023). Conformance Testing for Stochastic Cyber-Physical Systems. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 294–305). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_38

[Link](#)

102 Informatik

Saxena, M., Song, S., & Sha, L. (2023). MediK: Towards Safe Guideline-based Clinical Decision Support. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 306–317). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_39

[Link](#)

102 Informatik

Daniele, A., Campari, T., Malhotra, S., & Serafini, L. (2023). Deep Symbolic Learning: Discovering Symbols and Rules from Perceptions. In Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (IJCAI-23) (pp. 3597–3605). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/400>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Dong, N., Guanciale, R., Dam, M., & Löw, A. (2023). Formal Verification of Correctness and Information Flow Security for an In-Order Pipelined Processor. In A. Nadel & K. Y. Rozier (Eds.), Proceedings of the 23rd Conference on Formal Methods in Computer-Aided Design – FMCAD 2023 (pp. 247–256). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-060-0_33

[Link](#)

102 Informatik

Bendra, M., Fiorentini, S., Ender, J., Lacerda de Orio, R., Hadamek, T., Jorstad, N. P., Pruckner, B., Selberherr, S., Goes, W., & Sverdlov, V. (2023). Back-Hopping in Ultra-Scaled MRAM Cells. In Proceedings of the International Convention MIPRO (pp. 159–162). IEEE. <https://doi.org/10.23919/MIPRO57284.2023.10159764>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Lerch, M., Svoboda, P., Resch, J., & Rupp, M. (2023). Measuring the Impact of Intrain Repeater Deployments in Real-Time. In Proceedings of the 2023 IEEE 97th Vehicular Technology Conference (VTC2023-Spring). 2023 IEEE 97th Vehicular Technology Conference (VTC2023-Spring), Florenz, Italy. IEEE. <https://doi.org/10.1109/VTC2023-Spring57618.2023.10200359>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Patrick Indri, Tamara Drucks, & Gärtner, T. (2023). Can stochastic weight averaging improve generalization in private learning? In ICLR 2023 Workshop on Trustworthy and Reliable Large-Scale Machine Learning Models. ICLR 2023 Workshop on Trustworthy and Reliable Large-Scale Machine Learning Models, Kigali, Rwanda. <https://doi.org/10.34726/5349>

[Link](#)

101 Mathematik

102 Informatik

Donta, P. K., & Dustdar, S. (2023). Towards Intelligent Data Protocols for the Edge. In C. A. ARDAGNA, F. Awaysheh, H. Bian, C. K. Chang, R. N. Chang, F. Delicato, N. Desai, J. Fan, G. Fox, A. Goscinski, Z. Jin, A. Kobusinska, & O. Rana (Eds.), 2023 IEEE International Conference on Edge Computing and Communications (EDGE) (pp. 372–380). IEEE. <https://doi.org/10.1109/EDGE60047.2023.00060>

[Link](#)

102 Informatik

Govori, E., Murturi, I., & Dustdar, S. (2023). A Comprehensive Performance Evaluation of Procedural Geometry Workloads on Resource-Constrained Devices. In C. A. ARDAGNA, F. Awaysheh, H. Bian, C. K. Chang, R. N. Chang, F. Delicato, N. Desai, J. Fan, G. Fox, A. Goscinski, Z. Jin, A. Kobusinska, & O. Rana (Eds.), Proceedings 2023 IEEE International Conference on Edge Computing and Communications (EDGE) (pp. 271–279). IEEE. <https://doi.org/10.1109/EDGE60047.2023.00049>

[Link](#)

102 Informatik

Morichetta, A., Pusztai, T. W., Vij, D., Casamayor Pujol, V., Raith, P. A., Xiong, Y., Nastic, S., Dustdar, S., & Zhang, Z. (2023). Demystifying deep learning in predictive monitoring for cloud-native SLOs. In C. A. ARDAGNA, N. Atukorala, P. Beckmann, C. C. Chang, Chang Rong N., C. Evangelinos, J. Fan, G. Fox, J. Fox, C. Hagleitner, Z. Jin, T. Kosar, & M. Parashar (Eds.), 2023 IEEE 16th International Conference on Cloud Computing (CLOUD) (pp. 1–11). IEEE. <https://doi.org/10.1109/CLOUD60044.2023.00013>

[Link](#)

102 Informatik

Sedlak, B., Casamayor Pujol, V., Donta, P. K., & Dustdar, S. (2023). Controlling Data Gravity and Data Friction: From Metrics to Multidimensional Elasticity Strategies. In C. Ardagna, N. Atukorala, C. C. Chang, R. N. Chang, J. Fan, G. Fox, S. Helal, Z. Jin, Q. Lu, T. Seceleanu, & S. S. Yau (Eds.), Proceedings. 2023 IEEE International Conference on Software Services Engineering (IEEE SSE 2023) (pp. 43–49). IEEE. <https://doi.org/10.1109/SSE60056.2023.00017>

[Link](#)

102 Informatik

Zehetmayer, N. (2023). Generierung von Beschleunigungszeitverläufen aus beliebigen Antwortspektren.

In F. Wuttke, D. B. A. Hendrawan, & A. Ö. Özarmut (Eds.), Tagungsband der 18. D-A-CH Tagung Erdbebeningenieurwesen und Baudynamik, 14.-15. September 2023, Kiel, Deutschland (pp. 225–234). Deutsche Gesellschaft für Erdbebeningenieurwesen und Baudynamik (DGEB) e.V.

[Link](#)

201 Bauwesen

Soklic, J., & Arthaber, H. (2023). Full-Sphere Radiation Pattern Characterization of IoT Devices via Pattern Stitching. In 2023 XXXVth General Assembly and Scientific Symposium of the International Union of Radio Science (URSI GASS) (pp. 1–4). U.R.S.I. <https://doi.org/10.23919/URSIGASS57860.2023.10265620>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kalodikis, D., Spindelberger, C., & Arthaber, H. (2023). A Feed-Forward Gain Control for Improving the Dynamic Range of the Receiver's ADC in EMC Measurements. In 2023 International Symposium on Electromagnetic Compatibility – EMC Europe (pp. 1–5). IEEE. <https://doi.org/10.1109/EMCEurope57790.2023.10274411>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Jang, M., & Lukasiewicz, T. (2023). Consistency Analysis of ChatGPT. In H. Bouamor, J. Pino, & K. Bali (Eds.), Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (pp. 15970–15985). Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.emnlp-main.991>

[Link](#)

101 Mathematik

102 Informatik

Jang, M., & Lukasiewicz, T. (2023). Improving Language Models' Meaning Understanding and Consistency by Learning Conceptual Roles from Dictionary. In H. Bouamor, J. Pino, & K. Bali (Eds.), Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (pp. 8496–8510). Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.emnlp-main.527>

[Link](#)

101 Mathematik

102 Informatik

Furutanpey, A., Barzen, J., Bechtold, M., Dustdar, S., Leymann, F., Raith, P., & Truger, F. (2023). Architectural Vision for Quantum Computing in the Edge-Cloud Continuum. In S. Ali, C. Ardagna, N. Atukorala, J. Barzen, C. K. Chang, Chang Rong N., J. Fan, I. Faro, S. Feld, G. Fox, Z. Jin, F. Leymann, F. Neukart, S. de la Puente, & M. Wimmer (Eds.), Proceedings of the IEEE International Conference on Quantum Software (IEEE QSW 2023) (pp. 88–103). IEEE. <https://doi.org/10.1109/QSW59989.2023.00021>

[Link](#)

102 Informatik

Steinbrunner, B. (2023). Reflections on a (avalanche) risk-adjusted approach in spatial planning in Austria. In International Snow Science Workshop - ISSW 2023 (pp. 1–7).

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Hao, L., Schwarz, S., & Rupp, M. (2023). The Extended Vienna System-Level Simulator for Reconfigurable Intelligent Surfaces. In 2023 Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit). 2023 Joint European Conference on Networks and

Communications & 6G Summit (EuCNC/6G Summit), Gothenburg, Sweden. IEEE. <https://doi.org/10.34726/5304>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ilager, S. S., De Maio, V., Lujic, I., & Brandic, I. (2023). Data-centric Edge-AI: A Symbolic Representation Use Case. In 2023 IEEE International Conference on Edge Computing and Communications (EDGE) (pp. 301–308). IEEE. <https://doi.org/10.1109/EDGE60047.2023.00052>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Morichetta, A., Casamayor Pujol, V., Nastic, S., Dustdar, S., Vij, D., Xiong, Y., & Zhang, Z. (2023). PolarisProfiler: A Novel Metadata-Based Profiling Approach for Optimizing Resource Management in the Edge-Cloud Continuum. In 2023 IEEE International Conference on Service-Oriented System Engineering (SOSE) (pp. 27–36). IEEE. <https://doi.org/10.1109/SOSE58276.2023.00010>

[Link](#)

102 Informatik

Morichetta, A., Spring, N., Raith, P., & Dustdar, S. (2023). Intent-based Management for the Distributed Computing Continuum. In Proceedings?: 17th IEEE International Conference on Service-Oriented System Engineering (IEEE SOSE 2023) (pp. 239–249). IEEE. <https://doi.org/10.1109/SOSE58276.2023.00035>

[Link](#)

102 Informatik

Casamayor Pujol, V., Morichetta, A., & Nastic, S. (2023). Intelligent Sampling: A Novel Approach to Optimize Workload Scheduling in Large-Scale Heterogeneous Computing Continuum. In Proceedings?: 17th IEEE International Conference on Service-Oriented System Engineering (IEEE SOSE 2023) (pp. 140–149). IEEE. <https://doi.org/10.1109/SOSE58276.2023.00024>

[Link](#)

102 Informatik

Pannosch, J., & Kastner, W. (2023). Reference Model for Building Automation. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–4). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275528>

[Link](#)

102 Informatik

Scharf, R., Pichler, B., Hellmich, C., Heissenberger, R., & Moritz, B. (2023). Data and Analytical Mechanics: A New Look on NATM Tunnels. In W. Schubert & A. Kluckner (Eds.), Proceedings of the ISRM 15th International Congress on Rock Mechanics and Rock Engineering & 72nd Geomechanics Colloquium – Challenges in Rock Mechanics and Rock Engineering (pp. 1266–1271). ÖGG.

[Link](#)

201 Bauwesen

Ell, M. F., Zeitler, R., Thewes, R., & Zeck, G. (2023). Label-free Identification of Nonelectrogenic Cancer Cells using Adhesion Noise. In 2023 IEEE BioSensors Conference (BioSensors) (pp. 1–4). IEEE. <https://doi.org/10.34726/5234>

[Link](#)

106 Biologie

202 Elektrotechnik, Elektronik, Informationstechnik

206 Medizintechnik

Höld, H., Pichler, B., Hellmich, C., Rechberger, H., & Aschenbrenner, P. (2023). Dissolution and Precipitation Processes Governing the Hydration Heat Development in Tunnel Cements: Green's

Function-Based Estimation of Heat Release in Modified Calorimetric Tests. In W. Schubert & A. Kluckner (Eds.), *Challenges in Rock Mechanics and Rock Engineering?: 15th International ISRM Congress & 72nd Geomechanics Colloquium* (pp. 1369–1374). Austrian Society of Geomechanics.

[Link](#)

201 Bauwesen

Razgordanisharahi, A., Sorgner, M., Pichler, B., Hellmich, C., Moritz, A. B., & Pilgerstorfer, T. (2023). Investigating the Impact of Viscoelastic Material Models for Accurate Stress Estimation in Precast Concrete Tunnel Segments. In W. Schubert & A. Kluckner (Eds.), *Challenges in Rock Mechanics and Rock Engineering?: 15th International ISRM Congress & 72nd Geomechanics Colloquium* (pp. 1326–1331). Austrian Society of Geomechanics.

[Link](#)

201 Bauwesen

Mussbah, M., Schwarz, S., & Rupp, M. (2023). Reduced Complexity Group-based Precoding for Downlink Cell-free Massive MIMO. In *2023 19th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob)* (pp. 485–488). IEEE. <https://doi.org/10.1109/WiMob58348.2023.10187767>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Mandlbürger, G., Kölle, M., Pöpl, F., & Cramer, M. (2023). Evaluation of Consumer-Grade and Survey-Grade UAV-LIDAR. In B. Hejmanowska, D. Iwaszczuk, K. Bakula, & F. Remondino (Eds.), *2nd GEOBENCH Workshop on Evaluation and BENCHmarking of Sensors, Systems and GEOspatial Data in Photogrammetry and Remote Sensing* (pp. 99–106). <https://doi.org/10.5194/isprs-archives-XLVIII-1-W3-2023-99-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Podkosova, I., De Pace, F., & Brument, H. (2023). Joint Action in Collaborative Mixed Reality: Effects of Immersion Type and Physical Location. In T. Huang, M. Sra, F. Argelaguet, P. Lopes, & M. D. Barrera Machuca (Eds.), *Proceedings SUI 2023 ACM?: Symposium on Spatial User Interaction*. Association for Computing Machinery. <https://doi.org/10.1145/3607822.3614541>

[Link](#)

102 Informatik

Hollerer, S., Kastner, W., & Sauter, T. (2023). Towards a Comprehensive Ontology Considering Safety, Security, and Operation Requirements in OT. In *2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA)* (pp. 1–4). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275521>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Hofstätter, D., Ilager, S. S., Lujic, I., & Brandic, I. (2023). SymED: Adaptive and Online Symbolic Representation of Data on the Edge. In J. Cano, M. D. Dikaiakos, G. A. Papadopoulos, M. Pericàs, & R. Sakellariou (Eds.), *Euro-Par 2023: Parallel Processing?: 29th International Conference on Parallel and Distributed Computing*, Limassol, Cyprus, August 28 – September 1, 2023, *Proceedings* (pp. 411–425). Springer. https://doi.org/10.1007/978-3-031-39698-4_28

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Mussbah, M., Schwarz, S., & Rupp, M. (2023). Pilot Contamination Reduction for Access Point Clustering-based Pilot Assignment. In 2023 IEEE 34th Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC) (pp. 1–6). IEEE. <https://doi.org/10.1109/PIMRC56721.2023.10293898>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zabik, G., Birkelbach, F., & Hofmann, R. (2023). Qualitative Comparison of On-Site Production of Hydrogen and Its Synthesis Products for Steel Processing Industry. In Proceedings of ECOS 2023 - The 36th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (pp. 2514–2522). <https://doi.org/10.52202/069564-0226>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Zechner, N., Birkelbach, F., & Hofmann, R. (2023). Modeling the thermal processes in a short cycle press to improve product quality. In Proceedings of the International Panel Products Symposium 2023 (pp. 129–138). <http://hdl.handle.net/20.500.12708/189395>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Gratzer, A. L., Broger, M. M., Schirrer, A., & Jakubek, S. (2023). Flatness-Based Mixed-Integer Obstacle Avoidance MPC for Collision-Safe Automated Urban Driving. In 2023 9th International Conference on Control, Decision and Information Technologies (CoDIT) (pp. 1844–1849). IEEE. <https://doi.org/10.1109/CoDIT58514.2023.10284415>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Hartmuth, M., & Brezina, T. (2023). Dated infrastructure for a more sustainable future? Problems of trans-alpine mobility using the example of Gorizia and Nova Gorica. In S. Gingrich, H. Fellner, M. Hartmuth, & J. Schmidt (Eds.), Young Academy: Science Day: Sustainability - Diverse perspectives on the role(s) of research in mastering socio-ecological challenges? (pp. 17–26). Österreichischen Akademie der Wissenschaften (ÖAW). <https://doi.org/10.34726/5297>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Ferrara, A., & Hametner, C. (2023). Predictive Activation Strategy for Health-Conscious Energy Management of Multi-Module Fuel Cell Systems in Heavy-Duty Long-Haul Electric Trucks. In SAE Technical Paper Series. 16th International Conference on Engines & Vehicles for Sustainable Transport (ICE-2023), Capri, Italy. <https://doi.org/10.4271/2023-24-0138>

[Link](#)

101 Mathematik

201 Bauwesen

203 Maschinenbau

Crawford, K. A., Spiel, K., & Hamidi, F. (2023). Complex Dynamics: Disability, Assistive Technology, and the LGBTQIA+ Community Center Experience in the United States. In ASSETS '23: Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (pp. 427–441). <https://doi.org/10.34726/5232>

[Link](#)

102 Informatik

605 Andere Geisteswissenschaften

Mohiuddin, K., Alam, M. A., Alam, M. M., Welke, P., Martin, M., Lehmann, J., & Vahdati, S. (2023). Retention is All You Need. In Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (pp. 4752–4758). <https://doi.org/10.1145/3583780.3615497>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Gsellmann, P., Buchner, C., Egretzberger, K., Melik-Merkumians, M., & Schitter, G. (2023). Depth-data-based object cluster tracking and velocity estimation in robot workspace. In Proceedings of IECON 2023 – 49th Annual Conference of the IEEE Industrial Electronics Society. IECON 2023 – 49th Annual Conference of the IEEE Industrial Electronics Society, Singapore, Singapore. <https://doi.org/10.1109/IECON51785.2023.10312361>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kostjak, V., Linzer, F., & Neuner, H.-B. (2023). Erfahrungen zum Einsatz des Profillaserscanners PS250-90+ für das geodätische Monitoring. In T. Weinold (Ed.), 22. Internationale Geodätische Woche Obergurgl 2023. Wichmann.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Radovic, D., Pasic, F., Hofer, M., Groll, H., Mecklenbräuker, C. F., & Zemen, T. (2023). Stationarity Evaluation of High-mobility sub-6 GHz and mmWave non-WSSUS Channels. In 2023 XXXVth General Assembly and Scientific Symposium of the International Union of Radio Science (URSI GASS) (pp. 1–4). IEEE. <https://doi.org/10.23919/URSIGASS57860.2023.10265539>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Beheshti, A., Yang, J., Sheng, Q. Z., Benatallah, B., Casati, F., Dustdar, S., Motahari-Nezhad, H.-R., Zhang, X., & Xue, S. (2023). ProcessGPT: Transforming Business Process Management with Generative Artificial Intelligence. In C. Ardagna, B. Benatallah, H. Bian, C. K. Chang, Chang Rong N., J. Fan, G. Fox, Z. Jin, X. Liu, H. Ludwig, Michael Sheng, & J. Yang (Eds.), Proceedings. IEEE International Conference on Web Services (IEEE ICWS 2023) (pp. 731–739). IEEE. <https://doi.org/10.1109/ICWS60048.2023.00099>

[Link](#)

102 Informatik

Macho, M., Yoo, H. W., Schroedter, R., & Schitter, G. (2023). Iterative Learning Control for Quasi-Static MEMS Mirror with Switching Operation. In 2023 IEEE 36th International Conference on Micro Electro Mechanical Systems (MEMS) (pp. 538–541). IEEE. <https://doi.org/10.1109/MEMS49605.2023.10052637>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Poik, M., Hackl, T., Di Martino, S., Schober, M., Dang, J., & Schitter, G. (2023). Analysis of Cross-Talk Induced Measurement Errors in Model-Based RF Voltage Sensing. In 2023 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) (pp. 1–6). IEEE. <https://doi.org/10.1109/I2MTC53148.2023.10175924>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Sedlak, B., Casamayor Pujol, V., Donta, P. K., Werner, S., Wolf, K., Falconi, M., Pallas, F., Dustdar, S.,

Tai, S., & Plebani, P. (2023). Towards Serverless Data Exchange Within Federations. In M. Aiello, J. Barzen, S. Dustdar, & F. Leymann (Eds.), *Service-Oriented Computing, 17th Symposium and Summer School, SummerSOC 2023* (pp. 144–153). Springer. https://doi.org/10.1007/978-3-031-45728-9_9

[Link](#)

102 Informatik

Iglesias Vazquez, F., Zseby, T., Hartl, A., & Zimek, A. (2023). SDOclust: Clustering with Sparse Data Observers. In O. Pedreira & V. Estivill-Castro (Eds.), *Similarity Search and Applications?: 16th International Conference, SISAP 2023, A Coruña, Spain, October 9–11, 2023, Proceedings* (pp. 185–199). Springer. https://doi.org/10.1007/978-3-031-46994-7_16

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Kandlhofer, M., Baumann, W., Futschek, G., Baumann, L., & Ludwig, S. (2023). Effects of the COVID-19 Pandemic on the Bebras Computational Thinking Challenge: Comparing Numbers, Examining Reasons and Investigating Recommendations. In J.-P. Pellet & G. Parriaux (Eds.), *Informatics in Schools. Beyond Bits and Bytes: Nurturing Informatics Intelligence in Education?: 16th International Conference on Informatics in Schools: Situation, Evolution, and Perspectives, ISSEP 2023, Lausanne, Switzerland, October 23–25, 2023, Proceedings* (pp. 69–79). Springer. https://doi.org/10.1007/978-3-031-44900-0_6

[Link](#)

102 Informatik

Fiebig, T., Gürses, S., Hernández Gañán, C., Kotkamp, E., Kuipers, F., Lindorfer, M., Prisse, M., & Sari, T. (2023). Heads in the Clouds? Measuring Universities' Migration to Public Clouds: Implications for Privacy & Academic Freedom. In M. L. Mazurek & M. Sherr (Eds.), *Proceedings on Privacy Enhancing Technologies* (pp. 117–150). De Gruyter Open / Sciendo. <https://doi.org/10.56553/popets-2023-0044>

[Link](#)

102 Informatik

Jovanoski, B., Nixdorf, S., Hoier, P., Kruusamäe, K., Skaljic, E., Argilovski, A., Minovski, R., Golec, M., Hegedic, M., & Ansari Chaharsoughi, F. (2023). Introducing hybrid learning to learning factories. In *19th International Scientific Conference on Industrial Systems - IoT Technologies?: Conference Proceedings. 19th International Scientific Conference on Industrial Systems - IoT Technologies, Novi Sad, Serbia. University of Novi Sad*. <https://doi.org/10.34726/5315>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Pradeep, A., Feal, Á., Gamba, J., Rao, A., Lindorfer, M., Vallina-Rodriguez, N., & Choffnes, D. (2023). Not Your Average App: A Large-scale Privacy Analysis of Android Browsers. In M. L. Mazurek & M. Sherr (Eds.), *Proceedings on Privacy Enhancing Technologies Symposium 2023* (pp. 29–46). <https://doi.org/10.56553/popets-2023-0003>

[Link](#)

102 Informatik

Jungwirth, G., Saha, A., Schröder, M., Fiebig, T., Lindorfer, M., & Cito, J. (2023). Connecting the .dotfiles: Checked-In Secret Exposure with Extra (Lateral Movement) Steps. In *IEEE/ACM 20th International Conference on Mining Software Repositories (MSR)* (pp. 322–333). <https://doi.org/10.1109/MSR59073.2023.00051>

[Link](#)

102 Informatik

Bleier, J., & Lindorfer, M. (2023). Of Ahead Time: Evaluating Disassembly of Android Apps Compiled to Binary OATs Through the ART. In J. Polakis & E. van der Kouwe (Eds.), EUROSEC '23: Proceedings of the 16th European Workshop on System Security (pp. 21–29). <https://doi.org/10.1145/3578357.3591219>

[Link](#)

102 Informatik

Schmidt, D., Tagliaro, C., Borgolte, K., & Lindorfer, M. (2023). IoTFlow: Inferring IoT Device Behavior at Scale through Static Mobile Companion App Analysis. In CCS '23: Proceedings of the ACM SIGSAC Conference on Computer and Communications Security (pp. 681–695). Association for Computing Machinery. <https://doi.org/10.1145/3576915.3623211>

[Link](#)

102 Informatik

Streibelt, F., Lindorfer, M., Gürses, S., Hernández Gañán, C., & Fiebig, T. (2023). Back-to-the-Future Whois: An IP Address Attribution Service for Working with Historic Datasets. In Passive and Active Measurement?: 24th International Conference, PAM 2023, Virtual Event, March 21–23, 2023, Proceedings (pp. 209–226). Springer. https://doi.org/10.1007/978-3-031-28486-1_10

[Link](#)

102 Informatik

Hackl, T., Poik, M., & Schitter, G. (2023). Quantitative Surface Potential Measurements by AC Electrostatic Force Microscopy. In 2023 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) (pp. 1–5). <https://doi.org/10.1109/I2MTC53148.2023.10176066>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Buchner, C., Gsellmann, P., Melik-Merkumians, M., & Schitter, G. (2023). Eye-In-Hand Pose Estimation of Industrial Robots. In IECON 2023- 49th Annual Conference of the IEEE Industrial Electronics Society. 49th Annual Conference of the IEEE Industrial Electronics Society (IECON 2023), Singapore, Singapore. <https://doi.org/10.1109/IECON51785.2023.10312053>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kjær, M. (2023). Analyzing the Use of Blockchains for Challenges in Inter-organizational Business Processes. In 2023 IEEE 20th International Conference on Software Architecture Companion (ICSA-C) (pp. 137–140). IEEE. <https://doi.org/10.1109/ICSA-C57050.2023.00039>

[Link](#)

102 Informatik

Aguinsky, L. F., Toifl, A., Souza Berti Rodrigues, F., Hössinger, A., & Weinbub, J. (2023). A Modern Formulation of Knudsen Diffusion with Applications to Nanofabrication. In 2023 IEEE 23rd International Conference on Nanotechnology (NANO) (pp. 270–275). IEEE. <https://doi.org/10.1109/NANO58406.2023.10231251>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kjær, M., Preindl, T., & Kastner, W. (2023). Towards an Understanding of Trade-Offs Between Blockchain and Alternative Technologies for Inter-organizational Business Process Enactment. In J. Köpke, O. Lopez-Pintado, & R. Plattfaut (Eds.), Business Process Management: Blockchain, Robotic Process Automation and Educators Forum?: BPM 2023 Blockchain, RPA and Educators Forum, Utrecht, The Netherlands, September 11–15, 2023, Proceedings (pp. 36–50). Springer. https://doi.org/10.1007/978-3-031-43433-4_3

[Link](#)

102 Informatik

Pöppl, F., Mandlbürger, G., & Pfeifer, N. (2023). Evaluation of a GNSS/IMU/LIDAR-Integration for Airborne Laser Scanning Using RTKLIB PPK and PPP GNSS Solutions. In B. Hejmanowska, D. Iwaszczuk, K. Bakula, & F. Remondino (Eds.), 2nd GEOBENCH Workshop on Evaluation and BENCHmarking of Sensors, Systems and GEOspatial Data in Photogrammetry and Remote Sensing (pp. 161–166). <https://doi.org/10.5194/isprs-archives-XLVIII-1-W3-2023-161-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dolezal, F., Maria Fellner, & Neusser, M. (2023). Acoustic Performance of Buildings, Components and Materials as a Parameter for Ecological and Social Sustainability Assessments. In AAAA – 2023 – IZOLA - Conference Proceedings. AAAA 2023 Izola - 10th congress of the alps adria acoustics association, Slovenia.

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Neusser, M., Urban, D., Dolezal, F., & Herbert Müllner. (2023). The influence of different material properties of straw on the building acoustic performance of lightweight wall constructions. In Forum Acusticum 2023 - 10th Convention of the European Acoustics Association. Forum Acusticum 2023 - 10th Convention of the European Acoustics Association, Torino, Italy.

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Müllner, H., & Neusser, M. (2023). The influence of dry screed floor structures on the impact sound level of solid timber and timber frame ceiling systems. In Forum Acusticum 2023 - 10th Convention of the European Acoustics Association. Forum Acusticum 2023 - 10th Convention of the European Acoustics Association, Torino, Italy.

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Urban, D., Marta Džoganová, & Neusser, M. (2023). On the low frequency impact noise of massive floors – a case study. In Forum Acusticum - 10th Convention of the European Acoustics Association. Forum Acusticum 2023?: 10th Convention of the European Acoustics Association, Torino, Italy.

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Arnold, A., Carrillo, J. A., & Matthes, D. (2023). All relative entropies for general nonlinear Fokker-Planck equations. In Classical and Quantum Mechanical Models of Many-Particle Systems (pp. 57–60). Mathematisches Forschungsinstitut Oberwolfach. <https://doi.org/10.14760/OWR-2023-38>

[Link](#)

101 Mathematik

Daleyev, D., Reisinger, J., Rasoulzadeh, S., Senk, V., Embacher, P., & Kovacic, I. (2023). Potential of structural multi-objective optimization of reinforced concrete slabs in the context of sustainable development. In M. Skibniewski & M. Hajdu (Eds.), Proceedings of the Creative Construction Conference 2023 (pp. 480–485). Budapest University of Technology and Economics. <https://doi.org/10.3311/>

CCC2023-063

[Link](#)

201 Bauwesen

Gutierrez, M., Taco, D., Bösenhofer, M., Harasek, M., Castillo, A., Iniguez, J., Reyes, G., & Guanuche, D. (2023). Experimental Collision and Swirl of CFD Simulated Fuel Sprays in a Dual Injector Cylinder Head Concept. In 16th International Conference on Engines & Vehicles. 16th International Conference on Engines & Vehicles ?for Sustainable Transport (ICE-2023), Capri, Italy. SAE International. <https://doi.org/10.4271/2023-24-0080>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Reimer, C., Weidenholzer, L., Hoyal, S., Raml, B., Schobben, M., Schramm, M., Wagner, W., & Briese, C. (2023). Multi-cloud processing with Dask: Demonstrating the capabilities of DestinE Data Lake (DEDL). In P. Soille, S. Lumnitz, & S. Albani (Eds.), Proceedings of the 2023 conference on Big Data from Space (BiDS'23)?: From foresight to impact (pp. 161–164). Publications of the European Union. <https://doi.org/10.34726/5310>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Wagner, W., Schramm, M., Logar, B., Sipos, G., Briese, C., Clark, T., Reimer, C., Kirchengast, G., Rotach, M., Haimberger, L., Tiede, D., Rieder, H., Wotawa, G., Schwarz, M., & Fritz, S. (2023). Federating scientific infrastructure and services for cross-domain applications of Earth observation and climate data. In P. Soille, S. Lumnitz, & S. Albani (Eds.), Proceedings of the 2023 conference on Big Data from Space (BiDS'23)?: From foresight to impact (pp. 93–96). Publications Office of the European Union. <https://doi.org/10.34726/5309>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Raml, B., Vreugdenhil, M., Massart, S. J. A., Navacchi, C., & Wagner, W. (2023). Enabling global scale Sentinel-1 time series analysis through streaming. In P. Soille, S. Lumnitz, & S. Albani (Eds.), Proceedings of the 2023 conference on Big Data from Space (BiDS'23)?: From foresight to impact (pp. 29–32). Publications Office of the European Union. <https://doi.org/10.34726/5308>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Martina Landman, Sophie Rain, Laura Kovács, & Gerald Futschek. (2023). Reshaping Unplugged Computer Science Workshops for Primary School Education. In J.-P. Pellet & G. Parriaux (Eds.), Informatics in Schools. Beyond Bits and Bytes: Nurturing Informatics Intelligence in Education?: 16th International Conference on Informatics in Schools: Situation, Evolution, and Perspectives, ISSEP 2023, Lausanne, Switzerland, October 23–25, 2023, Proceedings (pp. 139–151). Springer. https://doi.org/10.1007/978-3-031-44900-0_11

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Horky, J., Ariza-Galván, E., Zunghammer, A., Moser, N., Edtmaier, C., Klein, T., Schmitz-Niederrau, M., & Neubauer, E. (2023). Assessment Of Plasma Metal Deposition (PMD) For The Manufacturing Of

Titanium Based Metal Matrix Composites. In Euro PM2023 Proceedings. EURO PM2023, Lisbon, Portugal. EPMA. <https://doi.org/10.59499/EP235765700>

[Link](#)

104 Chemie

205 Werkstofftechnik

211 Andere Technische Wissenschaften

Limbacher, B., Schönhuber, S., Ertl, M. C., Jaidl, M., Detz, H., Andrews, A. M., & Unterrainer, K. (2023). Quantum Cascade Random Lasers for on-chip Machine Learning. In Conference Proceedings 18th International Conference on Applied Electromagnetics and Communications. 24th International Conference on Applied Electromagnetics and Communications (ICECom 2023), Dubrovnik, Croatia.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ertl, M. C., Jaidl, M., Limbacher, B., Theiner, D., Giparakis, M., Beiser, M., Andrews, A. M., Strasser, G., Darmo, J., & Unterrainer, K. (2023). Spectral Shaping In Ultra-Thin Terahertz Quantum Cascade Laser Pairs. In 2023 48th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz) (pp. 1–2). IEEE. <https://doi.org/10.1109/IRMMW-THz57677.2023.10299208>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Weisz, L., Reif, D., Ramsbacher, A., Saracevic, E., Schaar, H. P., Krampe, J., & Kreuzinger, N. (2023). The potential of forward osmosis in combination with ozonation as an approach for enhanced wastewater treatment. In M. Wessling & T. Wintgens (Eds.), 15. Aachener Tagung Wassertechnologie?: Verfahren zur Abwasserbehandlung und Wasseraufbereitung?: Begleitbuch zur 15. Aachener Tagung Wassertechnologie, 25.-26. Oktober 2023 (pp. 106–113). Druck- und Verlagshaus Mainz GmbH Aachen.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Duvelek, S., Hölbling, D., Baranyi, R., Breiteneder, R., Pinter, K., & Grechenig, T. (2023). 2Trax3: Raising accessibility and everyday use of automatic motion analysis in (combat) sports via ML enhanced 2D to 3D estimation algorithms. In A. Aliverti & C. Capelli (Eds.), Proceedings of the 11th International Conference on Sport Sciences Research and Technology Support (pp. 128–135).

[Link](#)

102 Informatik

Ferraz Madeira, V., Teufl, H., & Mahdavi, A. (2023). Acoustic considerations in office conversion projects: A case study. In P. Matiasovsky, M. Cekon, & I. Medved (Eds.), 5th Central European Symposium on Building Physics (CESBP2022). AIP Publishing. <https://doi.org/10.1063/5.0178269>

[Link](#)

102 Informatik

201 Bauwesen

Di Croche, S. G., Pont, U., & Mahdavi, A. (2023). Integration of building physics expertise in the building delivery process: A case study. In P. Matiasovsky, M. Cekon, & I. Medved (Eds.), 5th Central European Symposium on Building Physics 2022 (CESBP 2022). AIP Publishing. <https://doi.org/10.1063/5.0179304>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Schöbinger, V., Pont, U., & Mahdavi, A. (2023). Building-related energy consulting practice: An Austrian perspective. In P. Matiasovsky, M. Cekon, & I. Medved (Eds.), 5th Central European Symposium on Building Physics (CESBP2022). AIP Publishing. <https://doi.org/10.1063/5.0179305>

[Link](#)

201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung

Casian, C., Berger, C., Mahdavi, A., Pont, U., & Schuß, M. W. (2023). Projected versus actual energy performance improvement due to thermal retrofit of buildings: A case study. In P. Matiasovsky, M. Cekon, & I. Medved (Eds.), *5th Central European Symposium on Building Physics (CESBP2022)*. AIP Publishing. <https://doi.org/10.1063/5.0170903>

[Link](#)

102 Informatik
201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J., Schwaiger, W., & Typpelt, V. (2023). Three Levers of Emission Control (3-LoEC)-Model: At the Core of GHG Emission-Management Control Systems. In I. Cosic (Ed.), *Proceedings of the 19th International Scientific Conference on Industrial Systems* (pp. 412–419). https://doi.org/10.24867/IS-2023-T6.2-10_10041

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Rain, S., Avarikioti, G., Kovacs, L., & Maffei, M. (2023). Towards a Game-Theoretic Security Analysis of Off-Chain Protocols. In *2023 IEEE 36th Computer Security Foundations Symposium (CSF)* (pp. 107–122). IEEE. <https://doi.org/10.1109/CSF57540.2023.00003>

[Link](#)

101 Mathematik
102 Informatik

Hu, J., Jiang, H., Liu, D., Xiao, Z., Cao, H., Qi, Y., Dustdar, S., & Liu, J. (2023). EarSonar: An Acoustic Signal-Based Middle-Ear Effusion Detection Using Earphones. In *2023 IEEE 43rd International Conference on Distributed Computing Systems (ICDCS)* (pp. 225–235). IEEE. <https://doi.org/10.1109/ICDCS57875.2023.00082>

[Link](#)

102 Informatik

Jaidl, M., Beiser, M., Giparakis, M., Kainz, M. A., Theiner, D., Limbacher, B., Ertl, M. C., Andrews, A. M., Strasser, G., Darmo, J., & Unterrainer, K. (2023). Five-Stack Heterogeneous Terahertz Quantum Cascade Laser For Ultra-Broadband Emission. In *2023 48th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz)* (pp. 1–2). IEEE. <https://doi.org/10.1109/IRMMW-THz57677.2023.10299357>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Theiner, D., Limbacher, B., Jaidl, M., Ertl, M., Hlavatsch, M., Unterrainer, K., Mizaikoff, B., & Darmo, J. (2023). Flexible Terahertz Gas Sensing Platform: Combining Hollow Waveguide Gas Cells with an Opto-Electronic Light Source. In *2023 48th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz)* (pp. 1–2). IEEE. <https://doi.org/10.1109/IRMMW-THz57677.2023.10298880>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Stummer, V., Flöry, T., Schneller, M., Kaksis, E., Zeiler, M., Pugzlys, A., & Baltuska, A. (2023). Generation of phase-stable sub-mJ ultrashort laser pulse bursts with extremely high scalable pulse number. In B. Kibler, G. Millot, & P. Segonds (Eds.), *EPJ Web of Conferences Volume 287* (2023). EDP Sciences. <https://doi.org/10.1051/epjconf/202328708004>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Abdollahi, B., & Zimmermann, H. (2023). A Low-Noise Low-Power Inductor-Less Self-Biased 50 Gbps TIA in 130nm SiGe BiCMOS. In 2023 Austrochip Workshop on Microelectronics (Austrochip) (pp. 10–13). IEEE. <https://doi.org/10.1109/Austrochip61217.2023.10285154>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Theiner, D., Limbacher, B., Jaidl, M., Ertl, M., Hlavatsch, M., Unterrainer, K., Mizaikoff, B., & Darmo, J. (2023). Exploring Molecular Sensing in the Terahertz Range with a Flexible Platform Combining an Opto-Electronic Light Source and Hollow Waveguide Gas Cells. In Hyperspectral/Multispectral Imaging and Sounding of the Environment: Part of Optical Sensors and Sensing Congress 2023. Optica Sensors 2023, München, Germany. Optica Publishing Group. <https://doi.org/10.1364/SENSORS.2023.SW5B.2>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Abdollahi, B., & Zimmermann, H. (2023). A Low-Power Current-Reuse Self-Biased Regulated-Cascode TIA in 130nm SiGe BiCMOS for Low-Noise and High Data Rate Applications. In 2023 IEEE Nordic Circuits and Systems Conference (NorCAS) (pp. 1–7). IEEE. <https://doi.org/10.1109/NorCAS58970.2023.10305477>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hanus, V., Kangaparambil, S. S., Richter, M., Haßfurth, L., Dorner-Kirchner, M., Paulus, G., Xie, X., Baltuska, A., Gräfe, S., & Zeiler, M. (2023). Carrier envelope phase sensitivity of photoelectron circular dichroism. In AttoChem 2023?: Book of abstracts (pp. 9–9).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Dorner-Kirchner, M., Shumakova, V., Coccia, G., Kaksis, E., Schmidt, B. E., Pervak, V., Pugžlys, A., Baltuska, A., Zeiler, M., & Carpeggiani, P. A. (2023). HHG at the Carbon K-Edge Directly Driven by SRS Red-Shifted Pulses from an Ytterbium Amplifier. In AttoChem 2023: Book of abstracts (pp. 1–1).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Swartvagher, P., Hunold, S., Träff, J. L., & Vardas, I. (2023). Using Mixed-Radix Decomposition to Enumerate Computational Resources of Deeply Hierarchical Architectures. In Proceedings of 2023 SC23 Workshops of the International Conference on High Performance Computing, Network, Storage, and Analysis (SC 2023 Workshops) (pp. 405–415). ACM. <https://doi.org/10.1145/3624062.3624109>

[Link](#)

102 Informatik

Rudnikov, A., Kalashnikov, V. L., Sorokin, E., Demesh, M., & Sorokina, I. (2023). Roadmap to Femtosecond Pulse Power/Energy-Scaling in Mid-Infrared Oscillator-Amplifier Laser Systems. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC) (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10231892>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Roman, J., Jutas, R., Astrauskas, I., Imani, A., Carpeggiani, P., Polynkin, P., Kaksis, E., Floery, T., Baltuška, A., & Pugžlys, A. (2023). Generation of Tunable MIR/LWIR Femtosecond Pulses by Combination of SRS and DFG. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC) (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10231508>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Jaidl, M., Beiser, M., Giparakis, M., Kainz, M. A., Theiner, D., Limbacher, B., Ertl, M. C., Andrews, A. M., Strasser, G., Darmo, J., & Unterrainer, K. (2023). Heterogeneous Terahertz Quantum Cascade Laser for Ultra-Broadband Emission. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC) (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10231357>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Theiner, D., Limbacher, B., Jaidl, M., Ertl, M., Hlavatsch, M., Unterrainer, K., Mizaikoff, B., & Darmo, J. (2023). Substrate-Integrated Hollow Waveguides for Terahertz Gas Sensing. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC) (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10232239>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Imani, A., Carpeggiani, P. A., Kaksis, E., Popmintchev, D., Popmintchev, T., Pugzlys, A., & Baltuska, A. (2023). Multipass Spectral Broadening of Spatially Chirped Pulses. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC) (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10232123>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wang, S., Yan, J., de las Heras, A., Song, S., Prodanov, A., Wu, Z., Hernandez Garcia, C., Plaja, L., Popmintchev, D., & Popmintchev, T. (2023). Surprise in Highly Correlated Two-Electron System: Extended Secondary Plateau in X-ray High Harmonic Generation from Helium Due to Double Electron Recombination. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC) (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10231562>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Gangrskaja, E., Shumakova, V., Bellissimo, A., Kaksis, E., Grünwald, L., Mai, S., Baltuška, A., & Pugzlys, A. (2023). Generation of Tunable Narrowband Azimuthally Polarized Pulses for Magnetic Excitation of Eu³⁺ Ions. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC) (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10232122>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Jutas, R., Roman, J., Astrauskas, I., Polynkin, P., Kaksis, E., Flöry, T., Kolenda, J., Bartulevicius, T., Michailovas, K., Michailovas, A., Baltuska, A., & Pugzlys, A. (2023). Generation of Multicolor Pulse Bursts for Pumping Long-Wave Infrared Optical Parametric Amplifiers. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC) (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10232347>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Stummer, V., Schneller, M., Flöry, T., Kaksis, E., Kitzler-Zeiler, M., Pugzlys, A., & Baltuska, A. (2023). Hybrid-Amplified THz-Repetition-Frequency Bursts. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC) (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10231391>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Limbacher, B., Schönhuber, S., Ertl, M. C., Jaidl, M., Detz, H., Andrews, A. M., Strasser, G., & Unterrainer, K. (2023). Non-linear interaction in Quantum Cascade Random Lasers. In Book of Abstracts NOEKS16: 16th International Conference on Nonlinear Optics and Excitation Kinetics in Semiconductors (pp. 16–16).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bachofner, W., & Kollegger, J. (2023). Monitoring the Evolution of Concrete Strain Using Vibrating Wire Strain Gauges. In Building for the Future: Durable, Sustainable, Resilient: Proceedings of the fib Symposium 2023 - Volume 1 (pp. 1173–1180). https://doi.org/10.1007/978-3-031-32519-9_118

[Link](#)

201 Bauwesen

Sorokina, I., Kalashnikov, V., Rudenkov, A., Demesh, M., Grivas, C., Gusakova, N., & Sorokin, E. (2023). En route to next generation high energy high repetition rate Ultrafast laser sources in the mid-IR. In Abstract Proceedings Ultrafast Dynamics & Metastability - Ultrafast Bandgap Photonics 2023- X Symposium (pp. 152–154).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Imani, A., Bellissimo, A., Carpeggiani, P. A., Kaksis, E., Popmintchev, D., Popmintchev, T., Pugzlys, A., & Baltuska, A. (2023). Yb-laser Driven High Harmonic Generation and Applications in Magnetic Imaging and to monitor the Electron Dynamics in complex systems. In Attochem 2023 - Book of Abstracts (pp. 69–69).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Müller, T., Polyushkin, D., Kwak, D., & Mennel, L. (2023). Optical sensing in high dimensions. In Proceedings SPIE Volume 12693: Unconventional Imaging, Sensing, and Adaptive Optics 2023 (pp. 1–8). SPIE. <https://doi.org/10.1117/12.2676232>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wallner, B., Trautner, T., & Bleicher, F. (2023). Functionality test methodology for virtual commissioning of reconfigurable manufacturing systems. In R. Teti & D. M. D'Addona (Eds.), 16th CIRP Conference on Intelligent Computation in Manufacturing Engineering (pp. 56–61). Elsevier. <https://doi.org/10.1016/j.procir.2023.06.011>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Gritsch, L., Breslmayer, G., Rainer, R., & Lederer, J. (2023). Analysis of non-beverage hollow plastic packaging from MSW regarding product residues and packaging characteristics. In Proceedings SARDINIA 2023. 19th International Symposium on Waste Management, Resource Recovery and Sustainable Landfilling (SARDINIA 2023), Santa Margherita Di Pula, Cagliari, Italy. CISA Publisher.

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

211 Andere Technische Wissenschaften

Eisenhofer, C., Alassaf, R., Rawson, M., & Kovács, L. (2023). Non-Classical Logics in Satisfiability Modulo Theories. In D. R. S. Ramanayake & J. Urban (Eds.), Automated Reasoning with Analytic Tableaux and Related Methods: 32nd International Conference, TABLEAUX 2023, Prague, Czech Republic, September 18–21, 2023, Proceedings (pp. 24–36). Springer. https://doi.org/10.1007/978-3-031-43513-3_2

[Link](#)

102 Informatik

Huber, B., Hengl, M., & Valenti, B. (2023). Kolkenschutz von Brückenpfeilern bei Verklausung. In N. Rütter (Ed.), *Wasserbau – krisenfest und zukunftsweisend: Beiträge zum 21. Wasserbau-Symposium der Wasserbauinstitute TU München, TU Graz und ETH Zürich* (pp. 283–292).

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Bjørner, N., & Fazekas, K. (2023). On Incremental Pre-processing for SMT. In B. Pientka & C. Tinelli (Eds.), *Automated Deduction – CADE 29 29th International Conference on Automated Deduction, Rome, Italy, July 1–4, 2023, Proceedings* (pp. 41–60). Springer. https://doi.org/10.1007/978-3-031-38499-8_3

[Link](#)

101 Mathematik

102 Informatik

Ádám, Z., Lopez-Miguel, I. D., Mavridou, A., Pressburger, T., Bes, M., Blanco Viñuela, E., Katis, A., Tournier, J.-C., Trinh, K. V., & Fernández Adiego, B. (2023). From Natural Language Requirements to the Verification of Programmable Logic Controllers: Integrating FRET into PLCverif. In K. Y. Rozier & S. Chaudhuri (Eds.), *NASA Formal Methods?: 15th International Symposium, NFM 2023, Houston, TX, USA, May 16–18, 2023, Proceedings* (pp. 353–360). Springer. <https://doi.org/10.34726/5382>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Galovic, J., Konrad, J., & Hofmann, P. (2023). Combustion Process Optimization for Wood Gas Engine of a Biomass Power Plant. In *CIMAC Congress 23* (pp. 1–14).

[Link](#)

203 Maschinenbau

Fazekas, K., Niemetz, A., Preiner, M., Kirchweiger, M., Szeider, S., & Biere, A. (2023). IPASIR-UP: User Propagators for CDCL. In M. Mahajan & F. Slivovsky (Eds.), *26th International Conference on Theory and Applications of Satisfiability Testing* (pp. 8:1-8:13). Schloss Dagstuhl - Leibniz-Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.SAT.2023.8>

[Link](#)

101 Mathematik

102 Informatik

Lopez-Miguel, I. D., Fernández Adiego, B., Ghawash, F., & Blanco Viñuela, E. (2023). Verification of Neural Networks Meets PLC Code: An LHC Cooling Tower Control System at CERN. In L. Iliadis, I. Maglogiannis, S. Alonso, C. Jayne, & E. Pimenidis (Eds.), *Engineering Applications of Neural Networks?: 24th International Conference, EAAAI/EANN 2023, León, Spain, June 14–17, 2023, Proceedings* (pp. 420–432). Springer. <https://doi.org/10.34726/5420>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Lopez Miguel, I. D. (2023). Stop at red? Engineering meets ethics. In K. B. Laas (Ed.), *International Conference on Computer Ethics: Vol. 1 No. 1* (2023). <https://doi.org/10.34726/5436>

[Link](#)

101 Mathematik

102 Informatik

Soldà, D., Lopez-Miguel, I. D., Bartocci, E., & Eiter, T. (2023). Progression for Monitoring in Temporal ASP. In K. Gal, A. Nowé, G. J. Nalepa, R. Fairstein, & R. Radulescu (Eds.), *ECAI 2023?: 26th European Conference on Artificial Intelligence. Including 12th Conference on Prestigious Applications of Intelligent Systems (PAIS 2023)*. Proceedings (pp. 2170–2177). Frontiers. <https://doi.org/10.3233/FAIA230513>

[Link](#)

101 Mathematik

102 Informatik

Bhosale, P., Kastner, W., & Sauter, T. (2023). Integrated Safety-Security Risk Assessment for Industrial Control System: An Ontology-based Approach. In *2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA)* (pp. 1–8). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275530>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Kirnbauer, J., Bund, A.-L., & Robisson, A. (2023). Explosive spalling of concrete under fire load - A review of spalling theory development. In N. Shkodrani, J. Gjipalaj, O. Marko, & A. Shaha (Eds.), *Proceedings of the International Conference of Civil Engineering?: ICCE 2023* (pp. 445–452). <https://doi.org/10.34726/5317>

[Link](#)

201 Bauwesen

Ferschin, P., Suter, G., Palma, M., Erb, I., Hahn, D., Kovács, B., Nawratil, G., & Sharifmoghaddam, K. (2023). Transformable Luminaire Design: From digital sketch to fabrication through computation and simulation. In *Digital Design Reconsidered - Proceedings of the 41st Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe 2023)* (pp. 117–126). <https://doi.org/10.52842/conf.ecaade.2023.1.117>

[Link](#)

101 Mathematik

102 Informatik

201 Bauwesen

Hochrainer, C., & Krall, A. (2023). A pred-LL(*) parsable typed higher-order macro system for architecture description languages. In C. De Roover, B. Rumpe, & A. Shaikhha (Eds.), *Proceedings of the 22nd ACM SIGPLAN International Conference on Generative Programming: Concepts and Experiences* (pp. 29–41). <https://doi.org/10.1145/3624007.3624052>

[Link](#)

102 Informatik

Zhou, S., Meierhofer, A., Kugu, O., Xia, Y., & Grafinger, M. (2023). A Machine-Learning-based Surrogate Modeling Methodology for Submodel Integration in the Holistic Railway Digital Twin Platform. In *The 33rd CIRP Design Conference* (pp. 345–350). Elsevier. <https://doi.org/10.1016/j.procir.2023.02.141>

[Link](#)

102 Informatik

203 Maschinenbau

206 Medizintechnik

Maroun, E. J., Schoeberl, M., & Puschner, P. (2023). Constant-Loop Dominators for Single-Path Code Optimization. In P. Wagemann (Ed.), *21th International Workshop on Worst-Case Execution Time Analysis (WCET 2023)* (pp. 1–13). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/OASlcs.WCET.2023.7>

[Link](#)

102 Informatik

Maroun, E. J., Schoeberl, M., & Puschner, P. (2023). Compiler-Directed Constant Execution Time on Flat Memory Systems. In M. Ashjaei, A. Gokhale, & N. Guan (Eds.), 2023 IEEE 26th International Symposium on Real-Time Distributed Computing (ISORC) (pp. 64–75). IEEE. <https://doi.org/10.1109/ISORC58943.2023.00019>

[Link](#)

102 Informatik

Zech, C., Römhild, J., Gsellmann, P., Melik-Merkumians, M., & Schitter, G. (2023). Sensorless External Torque Sensing for Collision Detection in Collaborative Robots. In IECON 2023- 49th Annual Conference of the IEEE Industrial Electronics Society (pp. 1–6). <https://doi.org/10.1109/IECON51785.2023.10312606>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wallner, M., Gugl, C., Hinterleitner, A., Gallistl, J., Löcker, K., Schlögel, I., Reiner, F., Flores-Orozco, A., Moser, C., & Zeitlhofer, J. (2023). The more, the merrier? A multi-methodological survey at the Roman town of Carnuntum. In Advances in On- and Offshore Archaeological Prospection?: Proceedings of the 15th International Conference on Archaeological Prospection (pp. 293–297). <https://doi.org/10.38072/978-3-928794-83-1/p59>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ötsch, E., & Neuner, H.-B. (2023). Detektion und Analyse von temperaturbedingter Deformation eines konischen Industrieschlotes. In A. Wieser (Ed.), Ingenieurvermessung 23?: Beiträge zum 20. Internationalen Ingenieurvermessungskurs Zürich, 2023 (pp. 321–334). Wichmann.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Staudinger, M., Hajszan, T., Miksa, T., Himmelbauer, I., Aberer, D., Rauber, A., & Dorigo, W. (2023). Reproducible Query Processing and Data Citation of in Situ Soil Moisture Data. In 2023 IEEE 19th International Conference on e-Science (pp. 1–10). IEEE. <https://doi.org/10.1109/e-Science58273.2023.10254929>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Zigart, T., Stürzl, F., Niedermayr, D., Wolfartsberger, J., & Sorko, S. (2023). Comparative Evaluation of Virtual Reality and In-Person Onboarding for Assembly Trainings in Manufacturing. In Proceedings?: 2023 IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct) (pp. 167–174). Institute of Electrical and Electronics Engineers, Inc. (IEEE). <https://doi.org/10.1109/ISMAR-Adjunct60411.2023.00041>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Hochreiner, G., Detter, M., & Füssl, J. (2023). Improvement of Design Rules in EC5 for Tapered Beams – A Matter of Mechanical Consistency and Competitiveness. In Proceedings of the International Network on Timber Engineering Research (INTER 2023) (pp. 1–17).

[Link](#)

201 Bauwesen

Töpler, J., Schweigler, M., Lemaître, R., Palma, P., Schenk, M., Grönquist, P., Tapia, C., Hochreiner, G., & Kuhlmann, U. (2023). Finite element based design of timber structures. In Proceedings of the International Network on Timber Engineering Research - INTER 2023. International Network on Timber Engineering Research (INTER 2023 / Meeting 56), Biel, Switzerland.

[Link](#)

201 Bauwesen

Sorgner, M., Diaz Flores, R., Wang, H., Hellmich, C., & Pichler, B. (2023). Axial Mode I Cracking in Core Regions of Compressed Reinforced Concrete Columns Subjected to Fire Loading. In C. Kishen, A. Ramaswamy, S. Ray, & R. Vidyasagar (Eds.), Proceedings of the 11th International Conference on Fracture Mechanics of Concrete and Concrete Structures (FraMCoS-11) (pp. 1–10).

[Link](#)

201 Bauwesen

Saleh, A. S., Zahedmanesh, H., Ceric, H., De Wolf, I., & Croes, K. (2023). Impact of via geometry and line extension on via-electromigration in nano-interconnects. In 2023 IEEE International Reliability Physics Symposium (IRPS) Proceedings. 2023 IEEE International Reliability Physics Symposium (IRPS), Monterey, United States of America (the). <https://doi.org/10.1109/IRPS48203.2023.10118027>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Sverdlov, V., Bendra, M., Goes, W., Fiorentini, S., Garcia-Barrientos, A., & Selberherr, S. (2023). Multi-level Operation in Ultra-scaled MRAM. In 2023 IEEE Latin American Electron Devices Conference (LAEDC) Proceedings. 2023 IEEE Latin American Electron Devices Conference (LAEDC), Puebla, Mexico. <https://doi.org/10.1109/LAEDC58183.2023.10209117>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rawson, M., Wernhard, C., Zombori, Z., & Bibel, W. (2023). Lemmas: Generation, Selection, Application. In D. R. S. Ramanayake & J. Urban (Eds.), Automated Reasoning with Analytic Tableaux and Related Methods: 32nd International Conference, TABLEAUX 2023, Prague, Czech Republic, September 18–21, 2023, Proceedings (pp. 153–174). Springer. https://doi.org/10.1007/978-3-031-43513-3_9

[Link](#)

101 Mathematik

102 Informatik

Pollak, M., Ebner, M., & Sagbauer, N. N. (2023). Practitioner Integrated Education for Vital Computational Thinking Skills. In T. Bastiaens (Ed.), Proceedings of EdMedia + Innovate Learning 2023 (pp. 593–602). Association for the Advancement of Computing in Education (AACE). <http://hdl.handle.net/20.500.12708/190638>

[Link](#)

101 Mathematik

102 Informatik

Kusa, W., Knoth, P., & Hanbury, A. (2023). CRUISE-Screening: Living Literature Reviews Toolbox. In CIKM '23: Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (pp. 5071–5075). Association for Computing Machinery. <https://doi.org/10.1145/3583780.3614736>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Sonnleithner, L., Hager, A.-L., Zoitl, A., & Meixner, K. (2023). IEC 61499 Skill-based Distributed Design Pattern. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–8). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275380>

[Link](#)

102 Informatik
502 Wirtschaftswissenschaften

Pasic, F., Hofer, M., Radovic, D., Groll, H., Caban, S., Zemen, T., & Mecklenbräuker, C. F. (2023). Quantifying the Reproducibility of Multi-Band High Speed Wireless Channel Measurements. In 2023 IEEE 34th Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC) (pp. 1–6). IEEE. <https://doi.org/10.1109/PIMRC56721.2023.10293986>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rinker, F., Vysoká, D., Meixner, K., Hoffmann, D., & Biffel, S. (2023). Organizing Multi-Domain Change Impact Analysis in Cyber-Physical Production Systems Engineering. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–4). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275684>

[Link](#)

102 Informatik
502 Wirtschaftswissenschaften

Pasic, F., Hofer, M., Mussbah, M., Groll, H., Zemen, T., Schwarz, S., & Mecklenbräuker, C. (2023). Statistical Evaluation of Delay and Doppler Spreads in sub-6 GHz and mmWave Vehicular Channels. In Proceedings of the 2023 IEEE 97th Vehicular Technology Conference (VTC2023-Spring). 2023 IEEE 97th Vehicular Technology Conference (VTC2023-Spring), Florence, Italy. <https://doi.org/10.1109/VTC2023-Spring57618.2023.10199960>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Lüder, A., Hoffmann, D., Meixner, K., Hünecke, P., & Biffel, S. (2023). Consistent Extension of Networks of Digital Representations of Production System Assets. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–4). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275688>

[Link](#)

102 Informatik
502 Wirtschaftswissenschaften

Koren, I., Rinker, F., Meixner, K., Kröger, M., & Zeng, M. (2023). Implementing DevOps Practices in CPPS Using Microservices and GitOps. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–4). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275433>

[Link](#)

102 Informatik
502 Wirtschaftswissenschaften

Greiner, S., Wiesmayr, B., Feichtinger, K., Meixner, K., Konersmann, M., Pfeiffer, J., Oberlehner, M., Schmalzing, D., Wortmann, A., Rumpe, B., Rabiser, R., & Zoitl, A. (2023). Maturity Evaluation of Domain-Specific Language Ecosystems for Cyber-Physical Production Systems. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–8). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275624>

[Link](#)

102 Informatik
502 Wirtschaftswissenschaften

Nöllenburg, M., Sorge, M., Terziadis, S., Villedieu, A., Wu, H.-Y., & Wulms, J. (2023). Planarizing Graphs and Their Drawings by Vertex Splitting. In P. Angelini & R. von Haxleden (Eds.), Graph Drawing and Network Visualization. GD 2022 (pp. 232–246). Springer. https://doi.org/10.1007/978-3-031-22203-0_17

[Link](#)

101 Mathematik

102 Informatik

Huber, M., Nöllenburg, M., & Villedieu, A. (2023). MySemCloud: Semantic-aware Word Cloud Editing. In 2023 IEEE 16th Pacific Visualization Symposium (PacificVis) (pp. 147–156). IEEE. <https://doi.org/10.1109/PacificVis56936.2023.00024>

[Link](#)

101 Mathematik

102 Informatik

Gronemann, M., Nöllenburg, M., & Villedieu, A. (2023). Splitting Plane Graphs to Outerplanarity. In C.-C. Lin, B. M. T. Lin, & G. Liotta (Eds.), WALCOM: Algorithms and Computation?: 17th International Conference and Workshops, WALCOM 2023, Hsinchu, Taiwan, March 22–24, 2023, Proceedings (pp. 217–228). Springer. https://doi.org/10.1007/978-3-031-27051-2_19

[Link](#)

101 Mathematik

102 Informatik

Ciabattoni, A., Lang, T. A., & Ramanayake, D. R. S. (2023). Cut-Restriction: From Cuts to Analytic Cuts. In 2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS) (pp. 1–13). IEEE. <https://doi.org/10.1109/LICS56636.2023.10175785>

[Link](#)

102 Informatik

Dobler, A., & Nöllenburg, M. (2023). Block Crossings in One-Sided Tanglegrams. In P. Morin & S. Suri (Eds.), Algorithms and Data Structures?: 18th International Symposium, WADS 2023, Montreal, QC, Canada, July 31 – August 2, 2023, Proceedings (pp. 386–400). Springer. https://doi.org/10.1007/978-3-031-38906-1_25

[Link](#)

101 Mathematik

102 Informatik

Ciabattoni, A., Eiter, T., & Hatschka, C. (2023). Deontic Paradoxes in ASP with Weak Constraints. In Proceedings 39th International Conference on Logic Programming (pp. 367–380).

[Link](#)

102 Informatik

Fermüller, C. (2023). Some Consistency Criteria for Many-Valued Judgment Aggregation. In 2023 IEEE 53rd International Symposium on Multiple-Valued Logic: ISMVL 2023: proceedings (pp. 215–220). <https://doi.org/10.1109/ISMVL57333.2023.00048>

[Link](#)

102 Informatik

Monika di Angelo, Durieux, T., Ferreira João F., & Gernot Salzer. (2023). SmartBugs 2.0: An Execution Framework for Weakness Detection in Ethereum Smart Contracts. In 2023 38th IEEE/ACM International Conference on Automated Software Engineering (ASE) (pp. 2102–2105). IEEE. <https://doi.org/10.1109/ASE56229.2023.00060>

[Link](#)

102 Informatik

Vóloder, A., & di Angelo, M. (2023). Comparison of Smart Contract Platforms from the Perspective of Developers. In Q. Wang, J. Feng, & L.-J. Zhang (Eds.), Blockchain – ICBC 2023?: 6th International Conference, Held as Part of the Services Conference Federation, SCF 2023, Honolulu, HI, USA, September 23–26, 2023, Proceedings (pp. 104–118). Springer. <https://doi.org/>

10.1007/978-3-031-44920-8_7

[Link](#)

102 Informatik

Chiari, M., Xiang, B., Nedeltcheva, G. N., Di Nitto, E., Blasi, L., Benedetto, D., & Niculut, L. (2023). DOML: A New Modelling Approach to Infrastructure-as-Code. In M. Indulska, I. Reinhartz-Berger, C. Cetina, & O. Pastor (Eds.), *Advanced Information Systems Engineering?: 35th International Conference, CAiSE 2023, Zaragoza, Spain, June 12–16, 2023, Proceedings* (pp. 297–313). Springer. https://doi.org/10.1007/978-3-031-34560-9_18

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Depian, T., Li, G., Nöllenburg, M., & Wulms, J. (2023). Transitions in Dynamic Point Labeling. In *12th International Conference on Geographic Information Science (GIScience 2023)*. 12th International Conference on Geographic Information Science (GIScience 2023), United Kingdom of Great Britain and Northern Ireland (the). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.GIScience.2023.2>

[Link](#)

101 Mathematik

102 Informatik

Freiman, R., & Bernreiter, M. (2023). Validity in Choice Logics - A Game-Theoretic Investigation. In H. H. Hansen, A. Scedrov, & R. J. G. B. de Queiroz (Eds.), *Logic, Language, Information, and Computation - 29th International Workshop, WoLLIC 2023, Halifax, NS, Canada, July 11-14, 2023, Proceedings* (pp. 211–226). Springer. https://doi.org/10.1007/978-3-031-39784-4_13

[Link](#)

102 Informatik

van Ditmarsch, H., Kuznets, R., & Randrianomentsoa, R. (2023). On Two- and Three-valued Semantics for Impure Simplicial Complexes. In A. Achilleos & D. Della Monica (Eds.), *Proceedings of the Fourteenth International Symposium on Games, Automata, Logics, and Formal Verification* (pp. 50–66). Open Publishing Association. <https://doi.org/10.4204/EPTCS.390.4>

[Link](#)

102 Informatik

Cignarale, G., Kuznets, R., Rincon Galeana, H., & Schmid, U. (2023). Logic of Communication Interpretation: How to Not Get Lost in Translation. In U. Sattler & M. Suda (Eds.), *Frontiers of Combining Systems: 14th International Symposium, FroCoS 2023, Prague, Czech Republic, September 20–22, 2023. Proceedings* (pp. 119–136). Springer. https://doi.org/10.1007/978-3-031-43369-6_7

[Link](#)

102 Informatik

van der Giessen, I., Jalali, R., & Kuznets, R. (2023). Extensions of K5: Proof Theory and Uniform Lyndon Interpolation. In D. R. S. Ramanayake & J. Urban (Eds.), *Automated Reasoning with Analytic Tableaux and Related Methods: 32nd International Conference, TABLEAUX 2023, Prague, Czech Republic, September 18–21, 2023, Proceedings* (pp. 263–282). Springer. https://doi.org/10.1007/978-3-031-43513-3_15

[Link](#)

102 Informatik

Girlando, M., Kuznets, R., Marin, S., Morales, M., & Straßburger, L. (2023). Intuitionistic S4 is decidable. In *2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS)*. LICS 2023: Thirty-Eighth Annual ACM/IEEE Symposium on Logic in Computer Science, Boston, MA, United States of America (the). IEEE. <https://doi.org/10.34726/5295>

[Link](#)

102 Informatik

Mühl, J., & Lederer, J. (2023). Glasrückgewinnung aus Rost- und Bettaschen aus der Müllverbrennung. In A. Bockreis, M. Faulstich, & S. Flamme (Eds.), *Tagungsband?: 12. Wissenschaftskongress Abfall- und Ressourcenwirtschaft am 9. und 10. März 2023 an der Technischen Universität Hamburg* (pp. 287–291). innsbruck university press (iup).

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Scaffino, G., Aumayr, L., Avarikioti, G., & Maffei, M. (2023). Glimpse: On-Demand PoW Light Client with Constant-Size Storage for DeFi. In *Proceedings of the 32nd USENIX Security Symposium* (pp. 733–750).

[Link](#)

102 Informatik

Pechgraber, D., Csencsics, E., Yoo, H. W., & Schitter, G. (2023). Controlling the Amplitude of a Resonant Rotational Reluctance Actuated Scanning Mirror System. In *22nd IFAC World Congress. Yokohama, Japan, July 9-14, 2023. Proceedings* (pp. 6043–6049). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.659>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Pechhacker, A., Wertjanz, D., Csencsics, E., & Schitter, G. (2023). Model-based flux control of an electropermanent magnet for adaptive zero power gravity compensation. In *22nd IFAC World Congress. Yokohama, Japan, July 9-14, 2023. Proceedings* (pp. 5352–5357). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.180>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Tumpach, A. B., & Kán, P. (2023). Temporal Alignment of Human Motion Data: A Geometric Point of View. In F. Nielsen & F. Barbaresco (Eds.), *Geometric Science of Information?: 6th International Conference, GSI 2023, St. Malo, France, August 30 – September 1, 2023, Proceedings, Part II* (pp. 541–550). Springer. https://doi.org/10.1007/978-3-031-38299-4_56

[Link](#)

102 Informatik

Breit, A., Waltersdorfer, L., Ekaputra, F. J., Karampatakis, S., Miksa, T., & Käfer, G. (2023). Combining Semantic Web and Machine Learning for Auditable Legal Key Element Extraction. In *The Semantic Web?: 20th International Conference, ESWC 2023, Hersonissos, Crete, Greece, May 28–June 1, 2023, Proceedings* (pp. 609–624). https://doi.org/10.1007/978-3-031-33455-9_36

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Schreiberhuber, K., Sabou, M., Ekaputra, F. J., Knees, P., Aryan, P. R., Einfalt, A., & Mosshammer, R. (2023). Causality Prediction with Neural-Symbolic Systems: A Case Study in Smart Grids. In *Proceedings of the 17th International Workshop on Neural-Symbolic Learning and Reasoning (NeSy 2023)* (pp. 336–347). CEUR-WS.org. <https://doi.org/10.34726/5300>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Tairi, E., Moreno-Sanchez, P., & Schneidewind, C. (2023). LedgerLocks: A Security Framework for Blockchain Protocols Based on Adaptor Signatures. In *CCS '23: Proceedings of the 2023 ACM SIGSAC*

Conference on Computer and Communications Security (pp. 859–873). Association for Computing Machinery. <https://doi.org/10.1145/3576915.3623149>

[Link](#)

101 Mathematik

102 Informatik

Cabalar, P., Ciabattini, A., & van der Torre, L. (2023). Deontic Equilibrium Logic with eXplicit Negation. In S. A. Gaggl, M. V. Martinez, & M. Ortiz (Eds.), *Logics in Artificial Intelligence - 18th European Conference, JELIA 2023, Dresden, Germany, September 20-22, 2023, Proceedings* (pp. 498–514). Springer. https://doi.org/10.1007/978-3-031-43619-2_34

[Link](#)

102 Informatik

Adam, D., & Brunner, A. T. (2023). Energy geostructures – geotechnical contributions to climate change mitigation. In *Forschung und Innovation in der Geotechnik: Recherche et innovation en géotechnique* (pp. 11–21). Geotechnik Schweiz.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Freiman, R., & Bernreiter, M. (2023). Truth and Preferences - A Game Approach for Qualitative Choice Logic. In S. A. Gaggl, M. V. Martinez, & M. Ortiz (Eds.), *Logics in Artificial Intelligence - 18th European Conference, JELIA 2023, Dresden, Germany, September 20-22, 2023, Proceedings* (pp. 547–560). https://doi.org/10.1007/978-3-031-43619-2_37

[Link](#)

102 Informatik

Fallmann, M., Julian Kölbl, Ausweger, T., Lösch, M., Poks, A., & Kozek, M. (2023). Test Bed Emulation of Secondary Loop Refrigeration Units Using Peltier Elements: An Impedance Control Approach. In *22nd IFAC World Congress. Yokohama, Japan, July 9-14, 2023. Proceedings* (pp. 6435–6440). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.855>

[Link](#)

101 Mathematik

107 Andere Naturwissenschaften

202 Elektrotechnik, Elektronik, Informationstechnik

Kiss, F., Langwieser, R., Prüller, R., Groll, H., Zhao, S., & Rupp, M. (2023). Measurement Environment for RIS Enhanced Wireless Channels. In *Proceedings 2023 IEEE 24th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)* (pp. 381–385). <https://doi.org/10.1109/SPAWC53906.2023.10304485>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Beck, F., Vu, M. N., Hartl-Nesic, C., & Kugi, A. (2023). Singularity Avoidance with Application to Online Trajectory Optimization for Serial Manipulators. In *22nd IFAC World Congress. Yokohama, Japan, July 9-14, 2023. Proceedings* (pp. 284–291). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.1582>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Deutschmann-Olek, A., Schrom, K., Würkner, N., Schmiedmayer, J., Erne, S., & Kugi, A. (2023). Optimal control of quasi-1D Bose gases in optical box potentials. In H. Ishii, Y. Ebihara, J. Imura, & M. Yamakita (Eds.), *22nd IFAC World Congress* (pp. 1339–1344). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.1781>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Jadachowski, L., Marko, L., Kugi, A., & Steinböck, A. (2023). Frequency-Based Estimation of the B-H Curve of Steel Strips in a Continuous Induction Furnace*. In H. Ishii, Y. Ebihara, J. Imura, & M. Yamakita (Eds.), 22nd IFAC World Congress (pp. 4627–4632). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.972>
[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kowalski, M., Kugi, A., & Steinböck, A. (2023). Job Scheduling for a Multi-Line Steel Hot Rolling Mill With Selectable Furnaces. In H. Ishii, Y. Ebihara, J. Imura, & M. Yamakita (Eds.), 22nd IFAC World Congress (pp. 5376–5381). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.184>
[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Lenz, R., Kugi, A., & Kemmetmüller, W. (2023). Optimal torque control with radial force compensation for multiphase PMSMs under an open-circuit fault. In H. Ishii, Y. Ebihara, J. Imura, & M. Yamakita (Eds.), 22nd IFAC World Congress (pp. 4412–4417). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.1828>
[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Marko, L., Kugi, A., & Steinböck, A. (2023). Add-on Harmonic Disturbance Cancellation Control in Continuous Hot-Dip Galvanizing Lines. In H. Ishii, Y. Ebihara, J. Imura, & M. Yamakita (Eds.), 22nd IFAC World Congress (pp. 6181–6186). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.732>
[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Binucci, C., Di Giacomo, E., Lenhart, W. J., Liotta, G., Montecchiani, F., Nöllenburg, M., & Symvonis, A. (2023). On the Complexity of the Storyplan Problem. In P. Angelini & R. von Haxleden (Eds.), Graph Drawing and Network Visualization. GD 2022 (pp. 304–318). Springer. https://doi.org/10.1007/978-3-031-22203-0_22
[Link](#)

101 Mathematik
102 Informatik

Tarra, L., Deutschmann-Olek, A., & Kugi, A. (2023). Nonlinear feedback stabilisation and stochastic disturbance suppression of actively Q-switched lasers. In H. Ishii, Y. Ebihara, J. Imura, & M. Yamakita (Eds.), 22nd IFAC World Congress (pp. 77–82). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.1550>
[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zimmermann, M., Vu, M. N., Beck, F., Nguyen, A., & Kugi, A. (2023). Two-Step Online Trajectory Planning of a Quadcopter in Indoor Environments with Obstacles. In H. Ishii, Y. Ebihara, J. Imura, & M. Yamakita (Eds.), 22nd IFAC World Congress (pp. 11002–11009). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.799>
[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kobourov, S. G., Löffler, M., Montecchiani, F., Pilipczuk, M., Rutter, I., Seidel, R., Sorge, M., & Wulms, J. (2023). The Influence of Dimensions on the Complexity of Computing Decision Trees. In B. Williams, Y. Chen, & J. Neville (Eds.), Proceedings of the 37th AAAI Conference on Artificial Intelligence (pp. 8343–8350). AAAI Press. <https://doi.org/10.1609/aaai.v37i7.26006>
[Link](#)

101 Mathematik
102 Informatik

Varga, J., Raidl, G. R., Rönnberg, E., & Rodemann, T. (2023). Interactive Job Scheduling with Partially Known Personnel Availabilities. In B. Dorransoro, F. Chicano, G. Danoy, & E.-G. Talbi (Eds.), *Optimization and Learning: 6th International Conference, OLA 2023, Malaga, Spain, May 3–5, 2023, Proceedings* (pp. 236–247). Springer. https://doi.org/10.1007/978-3-031-34020-8_18

[Link](#)

101 Mathematik

102 Informatik

Fleckl-Ernst, J., Schraml, A., Berger, W., Gutleiderer, K., Klebermass, R., Hellerschmid, R., Weber, R., & Eder, A. (2023). infra:raster – Realisierung eines einheitlichen Referenzsystemes und eines GNSS-RTK-Positionierungsdienstes für die ÖBB-Infrastruktur AG. In A. Wieser (Ed.), *Ingenieurvermessung 23?: Beiträge zum 20. Internationalen Ingenieurvermessungskurs Zürich, 2023* (pp. 349–361). Wichmann.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hunold, S. (2023). Verifying Performance Guidelines for MPI Collectives at Scale. In *Proceedings of 2023 SC23 Workshops of The International Conference on High Performance Computing, Network, Storage, and Analysis (SC23 Workshops)* (pp. 1264–1268). ACM. <https://doi.org/10.1145/3624062.3625532>

[Link](#)

102 Informatik

Sverdlov, V., Bendra, M., Pruckner, B., Fiorentini, S., Goes, W., & Selberherr, S. (2023). Comprehensive Modeling of Advanced Composite Magnetoresistive Devices. In *Proceedings of the IEEE European Solid-State Device Research Conference (ESSDERC)* (pp. 93–96). <https://doi.org/10.1109/ESSDERC59256.2023.10268508>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bendra, M., Lacerda de Orio, R., Goes, W., Sverdlov, V., & Selberherr, S. (2023). Modeling of Ultra-Scaled Magnetoresistive Random Access Memory. In *Proceedings of the 5th International Conference on Microelectronic Devices and Technologies (MicDAT '2023)* (pp. 28–30).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Jorstad, N. P., Goes, W., Selberherr, S., & Sverdlov, V. (2023). Spin Drift-Diffusion Boundary Conditions for FEM Modeling of Multilayer SOT Devices. In *Proceedings of the International Conference on Simulation of Semiconductor Processes and Devices (SISPAD)* (pp. 357–360). <https://doi.org/10.23919/SISPAD57422.2023.10319650>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Forsell, M., Roivainen, J., Leppänen, V., & Träff, J. L. (2023). Preliminary Performance and Memory Access Scalability Study of Thick Control Flow Processors. In J. Nurmi, M. Shen, P. Ellervee, P. Koch, & F. Moradi (Eds.), *Proceedings 2023 IEEE Nordic Circuits and Systems Conference (NorCAS)* (pp. 1–7). IEEE. <https://doi.org/10.1109/NorCAS58970.2023.10305463>

[Link](#)

102 Informatik

Feigl, P., Weibel, J.-B. N., & Vincze, M. (2023). Autonomous In-hand Object Modeling from a Mobile Manipulator. In A. Müller, M. Nader, & H. Gatringer (Eds.), *Proceedings of the Austrian Robotics Workshop 2023* (pp. 80–85). <https://doi.org/10.34726/5356>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Höbert, T., Neubauer, D., Merdan, M., Lepuschitz, W., Thalhammer, S., & Vincze, M. (2023). ROS-driven Disassembly Planning Framework incorporating Screw Detection. In 2023 20th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE). 20th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE 2023), Mexico. IEEE. <https://doi.org/10.34726/5390>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Markus Kirchweger, Scheucher, M., & Stefan Szeider. (2023). SAT-Based Generation of Planar Graphs. In 26th International Conference on Theory and Applications of Satisfiability Testing (SAT 2023). 26th International Conference on Theory and Applications of Satisfiability Testing (SAT), Alghero, Italy. Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.SAT.2023.14>

[Link](#)

101 Mathematik

102 Informatik

Hohenecker, N., Knoll, B., Schlembach, C., Sammer, G., Renkin, A., & Hauger, G. (2023). Application of the Persona Concept to Convey Socially Sustainable and Responsible Transport System Planning to Children and Juveniles Considering Autonomous Vehicles: Work Report on the Project AM4Kids – Future Workshop. In M. Schrenk, V. V. Popovich, & Z. Peter (Eds.), REAL CORP 2023?: Conference Proceedings (pp. 49–59). <https://doi.org/10.48494/REALCORP2023.4122>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Kirchweger, M., Peitl, T., & Szeider, S. (2023). A SAT Solver's Opinion on the Erdos-Faber-Lovász Conjecture. In M. Mahajan (Ed.), 26th International Conference on Theory and Applications of Satisfiability Testing (SAT 2023) (pp. 1–17). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.SAT.2023.13>

[Link](#)

101 Mathematik

102 Informatik

Dörrzapf, L., Tanzer, L., Kammerhofer, A., Richard Preißler, & Berger, M. (2023). Increase Occupancy Rate in Passenger Cars – Potentials of Awareness Raising for Carpooling. In REAL CORP 2023: Let it grow, let us plan, let it grow - nature-based solutions for sustainable resilient smart green and blue cities?: proceedings of 28th International Conference on Urban Planning, Regional Development and Information Society (pp. 391–401).

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Dörrzapf, L., Gruber, S., Marovic, O., & Sodl-Niederecker, V. (2023). Gendersensibles Carsharing – Nutzungsbarrieren und Maßnahmen. In REAL CORP 2023: Let it grow, let us plan, let it grow - nature-based solutions for sustainable resilient smart green and blue cities?: proceedings of 28th International Conference on Urban Planning, Regional Development and Information Society (pp. 329–339).

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Kammerhofer, A., Pühringer, F., Kostka, L. W., & Berger, M. (2023). Understanding Spatio-Temporal Usage Patterns of Cargo Bike Sharing to Foster Market Diffusion. In REAL CORP 2023: Let it grow, let us plan, let it grow - nature-based solutions for sustainable resilient smart green and blue cities?: proceedings of 28th International Conference on Urban Planning, Regional Development and Information Society (pp. 881–892).

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Tubeuf, C., Birkelbach, F., Maly, A., Krause, M., & Hofmann, R. (2023). Enabling Reinforcement Learning for Flexible Energy Systems Through Transfer Learning on a Digital Twin Platform. In 36th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS 2023) (pp. 3218–3228). <https://doi.org/10.52202/069564-0289>

[Link](#)

203 Maschinenbau

Petrov, L. S., Velkov, D., Georgiev, K., Trifonov, A., Xu, X., Popmintchev, T., & Buchvarov, I. (2023). High Performance Ytterbium Regenerative Amplifier Based on Yb:CALYO with High Energy 100 fs Pulses. In European Quantum Electronics Conference?: part of Conference on Lasers and Electro-Optics/Europe (CLEO/Europe 2023) and European Quantum Electronics Conference (pp. 1–1). IEEE Explore. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10232491>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

De las Heras, A., Hernandez Garcia, C., Serrano, J., Popmintchev, T., & Plaja, L. (2023). Attosecond Rabi Oscillations Revealed in EUV-Driven High Harmonic Spectroscopy. In European Quantum Electronics Conference?: part of Conference on Lasers and Electro-Optics/Europe (CLEO/Europe 2023) and European Quantum Electronics Conference (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10231453>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hauger, G. (2023). Nutzen-Kosten-Untersuchungen im Verkehrswesen. In FSV-Verkehrstag 2023?: Tagungsband (pp. 12–15).

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Shahu, A., Kassem, K., Zehetgruber, L., Wintersberger, P., & Michahelles, F. (2023). Electrifying Obstacle Avoidance: Enhancing Teleoperation of Robots with EMS-Assisted Obstacle Avoidance. In P. Lukowicz, S. Mayer, J. Koch, J. Shawe-Taylor, & I. Tiddi (Eds.), HHA1 2023: Augmenting Human Intellect (pp. 224–233). IOS Press. <https://doi.org/10.3233/FAIA230086>

[Link](#)

102 Informatik

Marco Squarcina, Adão, P., Lorenzo Veronese, & Matteo Maffei. (2023). Cookie Crumbles: Breaking and Fixing Web Session Integrity. In J. Calandrino & C. Troncoso (Eds.), SEC '23: Proceedings of the 32nd USENIX Conference on Security Symposium (pp. 5539–5556). USENIX Association. <https://doi.org/10.34726/5329>

[Link](#)

101 Mathematik

102 Informatik

Decker, M., Proksch-Weilguni, C., & Kollegger, J. (2023). Load Transfer in Tunnel Segments: A Contribution to Emphasize the Importance of the Load Introduction System in Experimental Testing. In A. Ilki, D. Cavunt, & Y. Cavunt (Eds.), Building for the Future: Durable, Sustainable, Resilient?: Proceedings of the fib Symposium 2023 - Volume 2 (pp. 1745–1751). Springer. https://doi.org/10.1007/978-3-031-32511-3_179

[Link](#)

201 Bauwesen

Stanger, L., Schirrer, A., Bartik, A., & Kozek, M. (2023). Minimum-Variance Model Predictive Control for Dual Fluidized Bed Circulation Control. In H. Ishii, Y. Ebihara, J. Imura, & M. Yamakita (Eds.), 22nd IFAC World Congress. Yokohama, Japan, July 9-14, 2023. Proceedings (pp. 2701–2706). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.07.111>

doi.org/10.1016/j.ifacol.2023.10.1364

[Link](#)

101 Mathematik

102 Informatik

204 Chemische Verfahrenstechnik

Daleyev, D., Rasoulzadeh, S., Kilian, M., Raffaelli, M., Hartmann, D., & Kovacic, I. (2023). A Novel Approach of Structural Modeling, Analysis and Optimization of Bearing Parts in Free-Formed Arc-Like Geometry Reconstructed from 4D Sketches. In F. De Luca, I. Lykouras, & G. Wurzer (Eds.), Proceedings of the 9th Regional International Symposium on Education and Research in Computer Aided Architectural Design in Europe (pp. 69–78). <http://hdl.handle.net/20.500.12708/190975>

[Link](#)

101 Mathematik

102 Informatik

201 Bauwesen

Weibel, J.-B., Sebetto, P., Thalhammer, S., & Vincze, M. (2023). Challenges of Depth Estimation for Transparent Objects. In G. Bebis, G. Ghiasi, Y. Fang, A. Sharf, Y. Dong, C. Weaver, Z. Leo, J. J. LaViola Jr., & L. Kohli (Eds.), Advances in Visual Computing?: 18th International Symposium, ISVC 2023, Lake Tahoe, NV, USA, October 16–18, 2023. Proceedings, Part I (pp. 277–288). Springer. <https://doi.org/10.34726/5311>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kovacs, M., Pacurar, R.-I., Grozav, S., Durakbasa, N. M., Bodur, O., Rehor, J., & Marik, T. (2023). Research on Mechanical Characteristics of Parts Made of 316L Stainless Steel (Material) by Using Selective Laser Melting Technology. In N. M. Durakbasa & M. G. Gençyilmaz (Eds.), Towards Industry 5.0: Selected Papers from ISPR2022, October 6–8, 2022, Antalya (pp. 176–187). Springer. https://doi.org/10.1007/978-3-031-24457-5_15

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Tica, D., Cosma, C., Bodur, O., Durakbasa, N. M., Grozav, S. D., Ceclan, V., Rehor, J., Sterca, D. A., & Walcher, E. M. (2023). Effects of Drag Finishing on a SLM-Manufactured Titanium Reconstruction Plate. In N. M. Durakbasa & G. M. Gençyilmaz (Eds.), Towards Industry 5.0 Selected Papers from ISPR2022, October 6–8, 2022, Antalya (pp. 462–472). Springer. https://doi.org/10.1007/978-3-031-24457-5_37

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Ell, M. F., Bui, M. T., Prado Lopez, S., & Zeck, G. (2023). Electrical Recording of Effects of Chemotherapeutic Treatment on Cancer Spheroids. In 2023 IEEE SENSORS (pp. 1–4). IEEE. <https://doi.org/10.34726/5342>

[Link](#)

106 Biologie

202 Elektrotechnik, Elektronik, Informationstechnik

206 Medizintechnik

Cristian, L.-N., Bodur, O., Walcher, E. M., Grozav, S. D., Ceclan, V., Durakbasa, N. M., & Sterca, D.-A. (2023). Study of Improving Spur Gears with the Generative Design Method. In Towards Industry 5.0 Selected Papers from ISPR2022, October 6–8, 2022, Antalya (pp. 473–485). Springer. https://doi.org/10.1007/978-3-031-24457-5_38

[Link](#)

203 Maschinenbau

Bodur, O., Walcher, E. M., Sterca, A., Sulz, C., Calin, R.-A., Durakbasa, N. M., & Bleicher, F. (2023). Porosity Examination of Additive Manufactured Parts and Effects of Infill Parameters. In R. Teti & D. M. D'Addona (Eds.), 16th CIRP Conference on Intelligent Computation in Manufacturing Engineering (pp. 643–648). Elsevier. <https://doi.org/10.1016/j.procir.2023.06.110>

[Link](#)

203 Maschinenbau

Bodur, O., Walcher, E. M., Brier, J., Krall, S., Bleicher, F., Sterca, A., Sauprigl, J., & Peherstorfer, H. (2023). Quality Assurance of Composite Grinding. In R. Teti & D. M. D'Addona (Eds.), 16th CIRP Conference on Intelligent Computation in Manufacturing Engineering (pp. 590–595). Elsevier. <https://doi.org/10.1016/j.procir.2023.06.101>

[Link](#)

203 Maschinenbau

Avarikioti, G., Desjardins, A., Kokoris-Kogias, L., & Wattenhofer, R. (2023). Divide & Scale: Formalization and Roadmap to Robust Sharding. In S. Rajsbaum, A. Balliu, J. Daymude, & D. Olivetti (Eds.), Structural Information and Communication Complexity?: 30th International Colloquium, SIROCCO 2023, Alcalá de Henares, Spain, June 6–9, 2023, Proceedings (pp. 199–245). Springer. https://doi.org/10.1007/978-3-031-32733-9_10

[Link](#)

101 Mathematik

102 Informatik

Willinger, R. (2023). A Contribution to the Theory of Slip Factor for Radial Flow Fans. In Proceedings of 15th European Conference on Turbomachinery Fluid Dynamics and Thermodynamics. 15th European Conference on Turbomachinery Fluid Dynamics and Thermodynamics, Budapest, Hungary. Euroturbo. <https://doi.org/10.29008/ETC2023-167>

[Link](#)

203 Maschinenbau

Avarikioti, G., Heimbach, L., Schmid, R., Vanbever, L., Wattenhofer, R., & Wintermeyer, P. (2023). FnF-BFT: A BFT Protocol with Provable Performance Under Attack. In S. Rajsbaum, A. Balliu, J. Dymude, & D. Olivetti (Eds.), Structural Information and Communication Complexity?: 30th International Colloquium, SIROCCO 2023, Alcalá de Henares, Spain, June 6–9, 2023, Proceedings (pp. 165–198). Springer. https://doi.org/10.1007/978-3-031-32733-9_9

[Link](#)

101 Mathematik

102 Informatik

Avarikioti, G., Lizurej, T., Michalak, T., & Yeo, M. (2023). Lightning Creation Games. In E. Bertino, B. Li, O. Frieder, & X. Jia (Eds.), 2023 IEEE 43rd International Conference on Distributed Computing Systems (ICDCS 2023) (pp. 603–613). IEEE. <https://doi.org/10.1109/ICDCS57875.2023.00037>

[Link](#)

101 Mathematik

102 Informatik

Dobrosovestnova, A., de Pagter, J., & Weiss, A. (2023). Borrowing, Poking and Entangling. In Search of Shared Spaces Between Science and Technology Studies and Human-Robot Interaction. In HRI '23?: Companion of the 2023 ACM/IEEE International Conference on Human-Robot Interaction (pp. 21–29). <https://doi.org/10.1145/3568294.3580033>

[Link](#)

102 Informatik

504 Soziologie

605 Andere Geisteswissenschaften

Taurer, F., Wolling, F., Moore, J., & Michahelles, F. (2023). Smart Trash Can: Easy Collection of Photos of Organic Waste in the Home. In MUM '23: Proceedings of the 22nd International Conference on Mobile and Ubiquitous Multimedia (pp. 571–573). Association for Computing Machinery. <https://doi.org/10.1145/3626705.3631881>

[Link](#)

102 Informatik

Peer, M., Kleber, F., & Sablatnig, R. (2023). Towards Writer Retrieval for Historical Datasets. In Document Analysis and Recognition - ICDAR 2023 (pp. 411–427). https://doi.org/10.1007/978-3-031-41676-7_24

[Link](#)

101 Mathematik

102 Informatik

Peer, M., & Sablatnig, R. (2023). Feature Mixing for Writer Retrieval and Identification on Papyri Fragments. In HIP '23?: Proceedings of the 7th International Workshop on Historical Document Imaging and Processing (pp. 31–36). <https://doi.org/10.1145/3604951.3605515>

[Link](#)

101 Mathematik

102 Informatik

Burges, M., Zambanini, S., & Sablatnig, R. (2023). Exploring Learning-Based Approaches for Bomb Crater Detection in Historical Aerial Images. In Proceedings of the OAGM Workshop 2022 (pp. 60–66). <https://doi.org/10.3217/978-3-85125-954-4-09>

[Link](#)

101 Mathematik

102 Informatik

Duhan, A., & Sablatnig, R. (2023). A Modular Model Combining Visual and Textual Features for Document Image Classification. In Proceedings of the OAGM Workshop 2022 (pp. 26–31).

[Link](#)

101 Mathematik

102 Informatik

Heitzinger, T., & Kampel, M. (2023). A Fast Unified System for 3D Object Detection and Tracking. In 2023 IEEE/CVF International Conference on Computer Vision (ICCV 2023). Proceedings (pp. 16998–17008). IEEE. <https://doi.org/10.34726/5417>

[Link](#)

101 Mathematik

102 Informatik

Mucha, W., & Kampel, M. (2023). Hands, Objects, Action! Egocentric 2D Hand-Based Action Recognition. In Computer Vision Systems: 14th International Conference, ICVS 2023, Vienna, Austria, September 27–29, 2023, Proceedings (pp. 31–40). https://doi.org/10.1007/978-3-031-44137-0_3

[Link](#)

101 Mathematik

102 Informatik

Biezma Moraleda, M. V., Merino Galván, L., & Linhardt, P. (2023). Cavitation of some copper alloys for naval propellers: electrolyte effect. In 12th INTERNATIONAL WORKSHOP ON SHIP AND MARINE HYDRODYNAMICS (IWSH-2023). The 12th International Workshop on Ship and Marine Hydrodynamics, Espoo, Finland. IOP Publishing. <https://doi.org/10.1088/1757-899X/1288/1/012056>

[Link](#)

104 Chemie

Schwingenschlögl, M., Hönig, S., Ball, G., & Linhardt, P. (2023). Enhanced Oil Recovery: Localization of corrosion during polymer flooding. In AMPP Conference Papers (pp. 1–14).

[Link](#)

104 Chemie

Strohmayr, J., & Kampel, M. (2023). Blind Modalities for Human Activity Recognition. In Assistive Technology: Shaping a Sustainable and Inclusive World (pp. 89–96). IOS Press, Incorporated. <https://doi.org/10.3233/SHTI230601>

[Link](#)

101 Mathematik

102 Informatik

Strohmayr, J., & Kampel, M. (2023). Domain-Adaptive Data Synthesis for Large-Scale Supermarket Product Recognition. In Computer Analysis of Images and Patterns?: 20th International Conference, CAIP 2023, Limassol, Cyprus, September 25–28, 2023, Proceedings, Part I (pp. 239–250). Springer. https://doi.org/10.1007/978-3-031-44237-7_23

[Link](#)

101 Mathematik

102 Informatik

Strohmayr, J., & Kampel, M. (2023). Real-Time Supermarket Product Recognition on Mobile Devices Using Scalable Pipelines. In Proceedings 2023 IEEE International Conference on Image Processing (ICIP) (pp. 420–424). <https://doi.org/10.1109/ICIP49359.2023.10223137>

[Link](#)

101 Mathematik

102 Informatik

Strohmayr, J., & Kampel, M. (2023). WiFi CSI-Based Long-Range Through-Wall Human Activity Recognition with the ESP32. In Computer Vision Systems (pp. 41–50). Springer. https://doi.org/10.1007/978-3-031-44137-0_4

[Link](#)

101 Mathematik

102 Informatik

Bayerl, A., Keglevic, M., Wödlinger, M. G., & Sablatnig, R. (2023). Impact of Learned Domain Specific Compression on Satellite Image Object Classification. In Proceedings of the 26th Computer Vision Winter Workshop (CVWW 2023). 26th Computer Vision Winter Workshop (CVWW) 2023, Krems an der Donau, Austria. CEUR-WS.org. <https://doi.org/10.34726/5331>

[Link](#)

101 Mathematik

102 Informatik

Kotera, J., Wödlinger, M. G., & Keglevic, M. (2023). Learned Lossy Image Compression for Volumetric Medical Data. In R. Sablatnig & F. Kleber (Eds.), Proceedings of the 26th Computer Vision Winter Workshop (CVWW 2023). CEUR-WS.org. <https://doi.org/10.34726/5302>

[Link](#)

101 Mathematik

102 Informatik

Guo, F., Xiao, X., Hecker, A., & Dustdar, S. (2023). An Efficient Graph-Based IOTA Tangle Generation Algorithm. In M. Zorzi, M. Tao, & W. Saad (Eds.), ICC 2023 - IEEE International Conference on Communications (pp. 4816–4821). IEEE. <https://doi.org/10.1109/ICC45041.2023.10279038>

[Link](#)

102 Informatik

Pusztai, T., Nastic, S., Raith, P., Dustdar, S., Vij, D., & Xiong, Y. (2023). Vela: A 3-Phase Distributed Scheduler for the Edge-Cloud Continuum. In Proceedings 2023 IEEE International Conference on Cloud Engineering (IC2E 2023) (pp. 161–172). IEEE. <https://doi.org/10.1109/IC2E59103.2023.00026>

[Link](#)

102 Informatik

Murín, J., Kugler, S., Paulech, J., Hrabovsky, J., Kutis, V., & Aminbaghai, M. (2023). Calculation of the stresses in the tapered FGM beams with varying stiffness. In Proceedings of Computational Mechanics 2023 (pp. 133–136).

[Link](#)

201 Bauwesen

Spiesberger - Höckner, A. P., Bürstmayr, L., Vallon, R., & Grechenig, T. (2023). Identifying Higher Software Engineering Education's Design-Reality Gaps in Rural India. In 2023 46th ICT and Electronics Convention (MIPRO) (pp. 1572–1577). <https://doi.org/10.23919/MIPRO57284.2023.10159803>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Rast, L., Baranyi, R., Pinter, K., Hölbling, D., Aigner, C., & Grechenig, T. (2023). Standard Mobile Phones Plus a Balance Board Are Sufficient: Designing a Serious Game for Better Knee Rehabilitation. In Proceedings of Studies in Health Technology and Informatics: Volume 301: dHealth (pp. 18–19). <https://doi.org/10.3233/SHTI230005>

[Link](#)

102 Informatik

Baranyi, R., Rast, L., Pinter, K., Aigner, C., Hoelbling, D., & Grechenig, T. (2023). FruitGrind: Analysis, Design and Development of a Serious Game Supporting Knee Rehabilitation Using a Smartphone Attached to a Balance Board. In 2023 IEEE 11th International Conference on Serious Games and Applications for Health (SeGAH) (pp. 1–6). IEEE. <https://doi.org/10.1109/SeGAH57547.2023.10253768>

[Link](#)

102 Informatik

Saribatur, Z. G., & Woltran, S. (2023). Foundations for Projecting Away the Irrelevant in ASP Programs. In P. Marquis, T. C. Son, & G. Kern-Isberner (Eds.), Proceedings of the 20th International Conference on Principles of Knowledge Representation and Reasoning (pp. 614–624). IJCAI Organization. <https://doi.org/10.24963/kr.2023/60>

[Link](#)

102 Informatik

Göth, C., Ramacher, S., Slamanig, D., Striecks, C., Tairi, E., & Zikulnig, A. (2023). Optimizing 0-RTT Key Exchange with Full Forward Security. In CCSW '23: Proceedings of the 2023 on Cloud Computing Security Workshop (pp. 55–68). Association for Computing Machinery (ACM). <https://doi.org/10.1145/3605763.3625246>

[Link](#)

101 Mathematik

102 Informatik

di Angelo, M., & Salzer, G. (2023). Consolidation of Ground Truth Sets for Weakness Detection in Smart Contracts. In A. Essex, S. Matsuo, & O. Kulyk (Eds.), Financial Cryptography and Data Security. FC 2023 International Workshops?: Voting, CoDecFin, DeFi, WTSC, Bol, Brac, Croatia, May 5, 2023, Revised Selected Papers (pp. 439–455). Springer. https://doi.org/10.1007/978-3-031-48806-1_28

[Link](#)

102 Informatik

Kirchweger, M., Peitl, T., & Szeider, S. (2023). Co-Certificate Learning with SAT Modulo Symmetries. In E. Elkind (Ed.), Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (IJCAI-23) (pp. 1944–1953). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/216>

[Link](#)

101 Mathematik

102 Informatik

Ahmetaj, S., Ortiz, M., Oudshoorn, A., & Šimkus, M. (2023). Reconciling SHACL and Ontologies: Semantics and Validation via Rewriting. In K. Gal, A. Nowé, G. J. Nalepa, R. Fairstein, & R. Radulescu (Eds.), ECAI 2023?: 26th European Conference on Artificial Intelligence, September 30–October 4, 2023, Kraków, Poland. Including 12th Conference on Prestigious Applications of Intelligent Systems (PAIS 2023). Proceedings (pp. 27–35). IOS Press. <https://doi.org/10.3233/FAIA230250>

[Link](#)

101 Mathematik

102 Informatik

Di Stefano, F., Ortiz, M., & Šimkus, M. (2023). Description Logics with Pointwise Circumscription. In E. Elking (Ed.), Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (IJCAI-23) (pp. 3167–3175). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/353>

[Link](#)

101 Mathematik

102 Informatik

Lukumbuzya, S., Ortiz de la Fuente, M. M., & Simkus, M. (2023). On the Expressive Power of Ontology-Mediated Queries: Capturing coNP. In O. Kutz, C. Lutz, & A. Ozaki (Eds.), Proceedings of the 36th International Workshop on Description Logics (DL 2023) co-located with the 20th International Conference on Principles of Knowledge Representation and Reasoning (KR 2023). CEUR-WS.org. <https://doi.org/10.34726/5333>

[Link](#)

101 Mathematik

102 Informatik

Díaz Flores, R., Donev, V., Aminbaghai, M., Zelaya-Lainez, L., Blab, R., Buchta, M., Eberhardsteiner, L., & Pichler, B. L. A. (2023). Innovative FWD Testing on Concrete Slabs. In A. Jedrzejewska, F. Kanavaris, & M. Azenha (Eds.), International RILEM Conference on Synergising Expertise towards Sustainability and Robustness of Cement-based Materials and Concrete Structures?: SynerCrete'23 - Volume 1 (pp. 460–472). Springer. https://doi.org/10.1007/978-3-031-33211-1_41

[Link](#)

201 Bauwesen

Bonatti, P., Di Stefano, F., Ortiz, M., & Šimkus, M. (2023). Circumscription in DL-Lite: Progress Report. In O. Kutz, C. Lutz, & A. Ozaki (Eds.), Proceedings of the 36th International Workshop on Description Logics (DL 2023) co-located with the 20th International Conference on Principles of Knowledge Representation and Reasoning (KR 2023). CEUR-WS.org. <https://doi.org/10.34726/5328>

[Link](#)

101 Mathematik

102 Informatik

Binder, E., Königsberger, M., Flores, R. D., Mang, H., Hellmich, C., & Pichler, B. L. A. (2023). Temperature-Dependent Behavior of Mature Cement Paste: Creep Testing and Multiscale Modeling. In A. Jedrzejewska, F. Kanavaris, & M. Azenha (Eds.), International RILEM Conference on Synergising Expertise towards Sustainability and Robustness of Cement-based Materials and Concrete Structures?:

SynerCrete'23 - Volume 1 (pp. 171–180). Springer. https://doi.org/10.1007/978-3-031-33211-1_16

[Link](#)

201 Bauwesen

Stachel, H. (2023). The design of skew gears from the geometric point of view. In I. Bajšanski & M. Jovanovic (Eds.), *Geometry, Graphics and Design in the Digital Age* (pp. 217–228). Faculty of Technical Sciences, University of Novi Sad.

[Link](#)

101 Mathematik

102 Informatik

Schönauer, C., Kaufmann, H., Roussou, M., Rüggeberg, J., Rüggeberg, J., Katsikaris, L., Rogkas, S., & Christopoulos, D. (2023). Creating Informal Learning and First Responder Training XR Experiences with the ImmersiveDeck. In *2023 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops* (pp. 53–60). IEEE. <https://doi.org/10.1109/VRW58643.2023.00016>

[Link](#)

102 Informatik

Kasemi, R., Vincze, M., & Lammer, L. (2023). Edgesoil:Low-Cost Soil Sensor and Edge AI Fusion in Agricultural Robotics. In A. Müller, M. Nader, & H. Gattringer (Eds.), *Proceedings of the Austrian Robotics Workshop 2023* (pp. 42–46). <https://doi.org/10.34726/5355>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Eiben, E., Ordyniak, S., Paesani, G., & Szeider, S. (2023). Learning Small Decision Trees with Large Domain. In *Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (IJCAI-23)* (pp. 3184–3192). <https://doi.org/10.24963/ijcai.2023/355>

[Link](#)

101 Mathematik

102 Informatik

Ordyniak, S., Paesani, G., & Szeider, S. (2023). The Parameterized Complexity of Finding Concise Local Explanations. In *Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (IJCAI-23)* (pp. 3312–3320). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/369>

[Link](#)

101 Mathematik

102 Informatik

Zhang, T., & Szeider, S. (2023). Searching for Smallest Universal Graphs and Tournaments with SAT. In R. Yap (Ed.), *29th International Conference on Principles and Practice of Constraint Programming*. <https://doi.org/10.4230/LIPIcs.CP.2023.39>

[Link](#)

101 Mathematik

102 Informatik

Ramaswamy, V. P., & Szeider, S. (2023). Proven Optimally-Balanced Latin Rectangles with SAT. In R. Yap (Ed.), *29th International Conference on Principles and Practice of Constraint Programming (CP 2023)*. Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.CP.2023.48>

[Link](#)

101 Mathematik

102 Informatik

Saffer, Z., Grill, K., & Telek, M. (2023). M/G/1 Queue with State Dependent Service Times. In *Computer Performance Engineering and Stochastic Modelling* (pp. 81–95). <https://doi.org/>

10.1007/978-3-031-43185-2_6

[Link](#)

101 Mathematik

Sedlak, B., Casamayor Pujol, V., Donta, P. K., & Dustdar, S. (2023). Designing Reconfigurable Intelligent Systems with Markov Blankets. In F. Monti, S. Rinderle-Ma, A. Ruiz-Cortes, Z. Zheng, & M. Mecella (Eds.), *SService-Oriented Computing?; 21st International Conference, ICSOC 2023, Rome, Italy, November 28 – December 1, 2023, Proceedings, Part I / 2023* (pp. 42–50). Springer Cham. https://doi.org/10.1007/978-3-031-48421-6_4

[Link](#)

102 Informatik

Unkovic, S., & Landman, M. (2023). Supporting Non-CS Teachers with Programming Lessons. In J.-P. Pellet & G. Parriaux (Eds.), *Informatics in Schools: ISSEP 2023 Local Proceedings: 16th International Conference on Informatics in Schools: Situation, Evolution, and Perspectives, ISSEP 2023* (pp. 61–74). Zenodo. <https://doi.org/10.5281/zenodo.10015799>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Azinovic, B., Serrano, E., Danielsson, H., Füssl, J., Lukacevic, M., Dietsch, P., Arnold, M., Schenk, M., Winter, S., Cabrero, J. M., Gonzalez Serna, P., & Pazlar, T. (2023). Innocrosslam - Adding Knowledge Towards Increased Use of Cross Laminated Timber (CLT). In *World Conference on Timber Engineering 2023 (WCTE 2023)* (pp. 2432–2441). Curran Associates. <https://doi.org/10.52202/069179-0321>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Bahr, B., Faustmann, M., Marcati, C., Melenk, J. M., & Schwab, C. (2023). Exponential Convergence of hp-FEM for the Integral Fractional Laplacian in 1D. In J. M. Melenk, I. Perugia, J. Schöberl, & C. Schwab (Eds.), *Spectral and High Order Methods for Partial Differential Equations ICOSAHOM 2020+1?: Selected Papers from the ICOSAHOM Conference, Vienna, Austria, July 12-16, 2021* (pp. 291–306). Springer. https://doi.org/10.1007/978-3-031-20432-6_18

[Link](#)

101 Mathematik

Symonowicz, J., Polyushkin, D., Mueller, T., & Martino, G. D. (2023). Plasmonic-Based Non-Invasive In-Operando Technique for the Characterization of Mos2 Nanoswitches. In *European Quantum Electronics Conference?: part of Conference on Lasers and Electro-Optics/Europe (CLEO/Europe 2023) and European Quantum Electronics Conference. 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC), München, Germany. IEEE Explore.* <https://doi.org/10.1109/CLEO/Europe-EQEC57999.2023.10231942>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Horvath, C., Körner, A., & Medo, L. (2023). A framework for developing mathematical tasks for automatic formative assessment in higher education. In *9th International Conference on Higher Education Advances (HEAd'23)* (pp. 567–575). Editorial Universitat Politècnica de València. <https://doi.org/10.4995/HEAd23.2023.16293>

[Link](#)

101 Mathematik

Mascaro, E. V., Sliwowski, D., & Lee, D. (2023). HOI4ABOT: Human-Object Interaction Anticipation for Human Intention Reading Collaborative roBOTs. In J. Tan, M. Toussaint, & K. Darvish (Eds.), *Volume 229: Conference on Robot Learning, 6-9 November 2023, Atlanta, USA* (pp. 1111–1130). PMLR.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ahn, H., Mascaro, E. V., & Lee, D. (2023). Can We Use Diffusion Probabilistic Models for 3D Motion Prediction? In ICRA 2023?: conference proceedings?: 29th May-2nd June 2023, ExCeL London?: IEEE International Conference on Robotics and Automation / IEEE Robotics & Automation Society, IEEE (pp. 9837–9843). <https://doi.org/10.1109/ICRA48891.2023.10160722>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wiesmann, F., Bauer, E., Kaiser, S., & Lauer, T. (2023). Ignition and Combustion Characteristics of OME3?5 and N-Dodecane: A Comparison Based on CFD Engine Simulations and Optical Experiments. In SAE Technical Paper Series (pp. 1–17). <https://doi.org/10.4271/2023-01-0305>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Modiz, C., & Körner, A. (2023). An innovative, technology-enhanced instructional approach to address the diverse competencies of STEM students in math classes. In 9th International Conference on Higher Education Advances (HEAd'23) (pp. 809–816). Editorial Universitat Politècnica de València. <https://doi.org/10.4995/HEAd23.2023.16194>

[Link](#)

101 Mathematik

Kovács, B. I., Erb, I., Sharifmoghaddam, K., Lipp, L., Wimmer, M., & Ferschin, P. (2023). The theatre metaphor for spatial computing in architectural design. In M. Skibniewski & M. Hajdu (Eds.), Proceedings of the Creative Construction Conference 2023 (pp. 674–683). Budapest University of Technology and Economics. <https://doi.org/10.3311/CCC2023-087>

[Link](#)

101 Mathematik

102 Informatik

Bauer, M. M., & Lauer, T. (2023). Numerical Study of the Fuel Efficiency and the Thermal Management of a Fuel Cell Powered Long-Haul Vehicle. In SAE Technical Paper (pp. 1–22). SAE International. <https://doi.org/10.4271/2023-01-0764>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Kan, P., Rumpelnik, M., & Kaufmann, H. (2023). Embodied Conversational Agents with Situation Awareness for Training in Virtual Reality. In ICAT-EGVE 2023 - International Conference on Artificial Reality and Telexistence and Eurographics Symposium on Virtual Environments. ICAT-EGVE 2023 - International Conference on Artificial Reality and Telexistence and Eurographics Symposium on Virtual Environments, Dublin, Ireland. Eurographics Association. <https://doi.org/10.2312/egve.20231310>

[Link](#)

102 Informatik

Maleczek, R., Sharifmoghaddam, K., Nawratil, G., & Preisinger, C. (2023). Bridging the gap-A study on foldable tubular bridges. In Y. M. Xie, J. Burry, T. U. Lee, & J. Ma (Eds.), Proceedings of the IASS Annual Symposium 2023?: Integration of Design and Fabrication (pp. 1676–1686).

[Link](#)

101 Mathematik

102 Informatik

Wensing, M., Weiß, L., Strauß, L., Kaiser, S., Bauer, E., Lauer, T., Wiesmann, F. A., Pickett, L., Manin, J.,

& Dong, H. (2023). eSpray: Einspritzung, Mischung und Selbstzündung von E-Kraftstoffen für CI-Motoren. In *The FVV Transfer + Networking Event?: Frühjahr 2023* (pp. 1–36).

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Träff, J. L., Hunold, S., Vardas, I., & Funk, N. M. (2023). Uniform Algorithms for Reduce-scatter and (most) other Collectives for MPI. In *2023 IEEE International Conference on Cluster Computing (CLUSTER)* (pp. 284–294). IEEE. <https://doi.org/10.1109/CLUSTER52292.2023.00031>

[Link](#)

102 Informatik

Kuhn, C., Kuntz, C., Budziankou, U., Quissek, M. F., Deutschmann, O., & Lauer, T. (2023). Deposits from AdBlue II: FVV no. 1400 | Final report (AB). In *The FVV Transfer + Networking Event: Programme Spring 2023* (pp. 1–31).

[Link](#)

104 Chemie

203 Maschinenbau

204 Chemische Verfahrenstechnik

Ciabattoni, A., Olivetti, N., Parent, X., Ramanayake, D. R. S., & Rozplochas, D. (2023). Analytic Proof Theory for Aqvist's System F. In J. Maranhão, C. Peterson, C. Straßer, & L. van der Torre (Eds.), *Deontic Logic and Normative Systems - 16th International Conference, DEON 2023* (pp. 79–98). College Publications. <http://hdl.handle.net/20.500.12708/190605>

[Link](#)

102 Informatik

Ciabattoni, A., & Rozplochas, D. (2023). Streamlining Input/Output Logics with Sequent Calculi. In P. Marquis, T. C. Son, & G. Kern-Isberner (Eds.), *Proceedings of the 20th International Conference on Principles of Knowledge Representation and Reasoning* (pp. 146–155). IJCAI Organization. <https://doi.org/10.24963/kr.2023/15>

[Link](#)

102 Informatik

Miarka, P., Malikova, L., Bilek, V., Anna Benešová, Merta, I., & Seitzl, S. (2023). On the fatigue resistance of high performance concrete. In *Structural and Physical Aspects of Construction Engineering 2022 (SPACE 2022) 5th International Scientific Conference. SPACE 2022?: 5th International Scientific Conference, High Tatras, Slovakia*. AIP Publishing. <https://doi.org/10.1063/5.0182959>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kumpová, I., Lisztwan, D., Poletanovic, B., Vyhlídal, M., Cairovic, I., Danek, P., Šimonová, H., Frantík, P., Merta, I., Rovnaníková, P., & Keršner, Z. (2023). Effect of slenderness ratio on compressive strength value of alkali-activated aluminosilicate composite with ceramic and fly ash precursor. In *Structural and Physical Aspects of Construction Engineering 2022 (SPACE 2022) 5th International Scientific Conference. SPACE 2022?: 5th International Scientific Conference, High Tatras, Slovakia*. AIP Publishing. <https://doi.org/10.1063/5.0180791>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Shahu, A., Dorfbauer, S., Wintersberger, P., & Michahelles, F. (2023). Skillab - A Multimodal Augmented

Reality Environment for Learning Manual Tasks. In J. Abdelnour Nocera, M. Larusdottir, & H. Petrie (Eds.), *Human-Computer Interaction – INTERACT 2023 19th IFIP TC13 International Conference*, York, UK, August 28 – September 1, 2023, Proceedings, Part III (pp. 588–607). Springer. https://doi.org/10.1007/978-3-031-42286-7_33

[Link](#)

102 Informatik

Pannosch, J., & Steindl, G. (2023). KNX-IoT Digital Twin. In *Presentation and Papers KNX Scientific Conference 2023. KNX Scientific Partnership Conference 2023*, Barcelona, Spain. <http://hdl.handle.net/20.500.12708/191934>

[Link](#)

102 Informatik

Happe, A., & Cito, J. (2023). Understanding Hackers' Work: An Empirical Study of Offensive Security Practitioners. In *ESEC/FSE 2023: Proceedings of the 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering* (pp. 1669–1680). Association for Computing Machinery. <https://doi.org/10.1145/3611643.3613900>

[Link](#)

102 Informatik

Shahu, A., Kinzer, K., & Michahelles, F. (2023). Enhancing Professional Training with Single-User Virtual Reality: Unveiling Challenges, Opportunities, and Design Guidelines. In F. Michahelles, P. Knierim, & J. Häkkinen (Eds.), *MMUM '23: Proceedings of the 22nd International Conference on Mobile and Ubiquitous Multimedia* (pp. 244–256). Association for Computing Machinery. <https://doi.org/10.1145/3626705.3627791>

[Link](#)

102 Informatik

Bergougnoux, B., Chekan, V., Galian, R., Kanté, M. M., Mnich, M., Oum, S., Pilipczuk, M., & van Leeuwen, E. J. (2023). Space-Efficient Parameterized Algorithms on Graphs of Low Shrubdepth. In I. L. Gørtz, M. Farach-Colton, S. J. Puglisi, & G. Herman (Eds.), *31st Annual European Symposium on Algorithms, ESA 2023* (pp. 1–18). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.ESA.2023.18>

[Link](#)

101 Mathematik

102 Informatik

Yan, Y., Mascaro, E. V., & Lee, D. (2023). ImitationNet: Unsupervised Human-to-Robot Motion Retargeting via Shared Latent Space. In *2023 IEEE-RAS 22nd International Conference on Humanoid Robots (Humanoids)* (pp. 1–8). IEEE. <https://doi.org/10.1109/Humanoids57100.2023.10375150>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Brand, C., & Lassota, A. (2023). Fast Convolutions for Near-Convex Sequences. In S. Iwata & N. Kakimura (Eds.), *34th International Symposium on Algorithms and Computation (ISAAC 2023)* (pp. 1–16). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPICs.ISAAC.2023.16>

[Link](#)

101 Mathematik

102 Informatik

Nawratil, G. (2023). Isometrically Deformable Cones and Cylinders Carrying Planar Curves. In M. Okada (Ed.), *Advances in Mechanism and Machine Science?: Proceedings of the 16th IFToMM World Congress 2023—Volume 1* (pp. 218–227). Springer. https://doi.org/10.1007/978-3-031-45705-0_22

[Link](#)

101 Mathematik

102 Informatik

Khazaliya, L., Kindermann, P., Liotta, G., Montecchiani, F., & Simonov, K. (2023). The st-Planar Edge Completion Problem Is Fixed-Parameter Tractable. In S. Iwata & N. Kakimura (Eds.), 34th International Symposium on Algorithms and Computation (ISAAC 2023) (pp. 1–13). Schloss Dagstuhl - Leibniz-Zentrum für Informatik. <https://doi.org/10.4230/LIPICS.ISAAC.2023.46>

[Link](#)

101 Mathematik

102 Informatik

Eiben, E., Ganian, R., Kanj, I., Ordyniak, S., & Szeider, S. (2023). From Data Completion to Problems on Hypercubes: A Parameterized Analysis of the Independent Set Problem. In N. Misra & M. Wahlström (Eds.), 18th International Symposium on Parameterized and Exact Computation (IPEC 2023) (pp. 1–14). Schloss Dagstuhl - Leibniz-Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.IPEC.2023.16>

[Link](#)

101 Mathematik

102 Informatik

Ganian, R., Khazaliya, L., & Simonov, K. (2023). Consistency Checking Problems: A Gateway to Parameterized Sample Complexity. In N. Misra & M. Wahlström (Eds.), 18th International Symposium on Parameterized and Exact Computation (IPEC 2023) (pp. 1–17). Schloss-Dagstuhl - Leibniz Zentrum für Informatik.

[Link](#)

101 Mathematik

102 Informatik

Hartleb, M., Imrich, P., Zechner, J., Walter, T., & Khatibi Damavandi, G. (2023). Cross-sectional Nanoindentation: Applicability for testing Polyimide adhesion in semiconductor components. In 2023 46th International Spring Seminar on Electronics Technology (ISSE) (pp. 1–5). IEEE. <https://doi.org/10.1109/ISSE57496.2023.10168521>

[Link](#)

103 Physik, Astronomie

104 Chemie

Wodak, I., Yakymovych, A., & Khatibi, G. (2023). Hybrid Solder Joints: Morphology and Mechanical Properties of lead-free Sn-based Solders with nano-sized Fe doped Flux. In 2023 46th International Spring Seminar on Electronics Technology (ISSE) (pp. 1–4). IEEE. <https://doi.org/10.1109/ISSE57496.2023.10168365>

[Link](#)

104 Chemie

Kender, K., & Spiel, K. (2023). Banal Autistic Social Media: A Found Footage Autoethnography. In ASSETS '23: Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (pp. 1–7). Association for Computing Machinery. <https://doi.org/10.1145/3597638.3614552>

[Link](#)

102 Informatik

605 Andere Geisteswissenschaften

McDonnell, E. J., Mack, K. A., Gerling, K., Spiel, K., Bennett, C. L., Brewer, R. N., Williams, R. M., & Tigwell, G. W. (2023). Tackling the Lack of a Practical Guide in Disability-Centered Research. In ASSETS '23: Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (pp. 1–5). Association for Computing Machinery. <https://doi.org/10.1145/3597638.3615650>

[Link](#)

102 Informatik

605 Andere Geisteswissenschaften

Payne, B. H., Taylor, J., Spiel, K., & Fiesler, C. (2023). How to Ethically Engage Fat People in HCI Research. In C. Fiesler, L. Terveen, & M. Ames (Eds.), *CSCW '23 Companion: Companion Publication of the 2023 Conference on Computer Supported Cooperative Work and Social Computing* (pp. 117–121). Association for Computing Machinery. <https://doi.org/10.1145/3584931.3606987>

[Link](#)

102 Informatik

605 Andere Geisteswissenschaften

Gromann, D., Lardelli, M., Spiel, K., Burtscher, S. M., Klausner, L. D., Mettinger, A., Miladinovic, I., Schefer-Wenzel, S., Duh, D., & Bühn, K. (2023). Participatory Research as a Path to Community-Informed, Gender-Fair Machine Translation. In *Proceedings of the First Workshop on Gender-Inclusive Translation Technologies* (pp. 49–59). European Association for Machine Translation.

[Link](#)

102 Informatik

605 Andere Geisteswissenschaften

Wimmer, D., Hutterer, M., & Schrödl, M. (2023). Design of a PCB integrated eddy current sensor with shield feature for radial rotor displacement measurement. In *Proceedings of ISMB18* (pp. 1–6).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wimmer, D., Hutterer, M., & Schrödl, M. (2023). Low-Cost PCB Integrated Inductive Sensor for Radial Rotor Displacement Measurement. In *13. Workshop Magnetlagertechnik Zittau-Chemnitz* (pp. 1–8).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Walter, T., & Khatibi Damavandi, G. (2023). In-situ Delaminationsmessung in Mehrlagenstrukturen der Elektronik. In H. Gremmel-Simon (Ed.), *Energie und Klimawandel?: Energie - Gebäude - Umwelt?: e-nova, international conference, 14. und 15. Juni 2023, Band 26* (pp. 207–214). Holzhausen.

[Link](#)

103 Physik, Astronomie

104 Chemie

Lee, J., Werginz, P., & Fried, S. (2023). Variability in Depolarization Sensitivity Underlies Differential Responses to High-frequency Stimulation of on and off RGCs. In *2023 11th International IEEE/EMBS Conference on Neural Engineering (NER)* (pp. 1–4). IEEE. <https://doi.org/10.1109/NER52421.2023.10123855>

[Link](#)

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Dobe, O., Schupp, S. A., Bartocci, E., Bonakdarpour, B., Legay, A., Pajic, M., & Wang, Y. (2023). Lightweight Verification of Hyperproperties. In É. André & J. Sun (Eds.), *Automated Technology for Verification and Analysis?: 21st International Symposium, ATVA 2023, Singapore, October 24–27, 2023, Proceedings, Part II* (pp. 3–25). Springer. https://doi.org/10.1007/978-3-031-45332-8_1

[Link](#)

102 Informatik

Bartocci, E., Henzinger, T. A., Nickovic, D., & Oliveira Da Costa, A. A. (2023). Hypernode Automata. In G. Perez & J.-F. Raskin (Eds.), *34th International Conference on Concurrency Theory (CONCUR 2023)* (pp. 1–16). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.CONCUR.2023.21>

[Link](#)

102 Informatik

Giurgiu, V., Caridi, G. C. A., Alipour, M., De Paoli, M., & Soldati, A. (2023). Messung der Winkelgeschwindigkeit von schlanken, gekrümmten Fasern der Kolmogorov Größe. In C. Kähler (Ed.), *Experimentelle Strömungsmechanik: 30. Fachtagung. eutsche Gesellschaft für Laser-Anemometrie - German Association for Laser Anemometry GALA e.V.*

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Hosseini, A. M., Fischer, C., Bhole, M., Kastner, W., Sauter, T., & Schlund, S. (2023). A Safety and Security Requirements Management Methodology in Reconfigurable Collaborative Human-Robot Application. In *2023 IEEE 19th International Conference on Factory Communication Systems (WFCS)* (pp. 1–8). IEEE. <https://doi.org/10.1109/WFCS57264.2023.10144233>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Steiner, B., Sarkany, A., Jarosi, Z. D., Paskaleva, G., Bednar, T., & Bauer, C. (2023). Development of Plugins for seamless Integration of the SIMULTAN Meta Data Model with IDA-ICE and RFEM 6. In *13th Nordic Symposium on Building Physics (NSB-2023)*. 13th Nordic Symposium on Building Physics (NSB-2023), Aalborg, Denmark. <https://doi.org/10.1088/1742-6596/2654/1/012049>

[Link](#)

102 Informatik

201 Bauwesen

He, J., Nickovic, D., Bartocci, E., & Grosu, R. (2023). TD-Magic: From Pictures of Timing Diagrams To Formal Specifications. In *2023 60th ACM/IEEE Design Automation Conference (DAC)* (pp. 1–6). IEEE. <https://doi.org/10.1109/DAC56929.2023.10247685>

[Link](#)

102 Informatik

Garlich, L., Dobe, O., Abraham, E., Bartocci, E., & Bonakdarpour, B. (2023). Introducing Asynchronicity to Probabilistic Hyperproperties. In N. Jansen & M. Tribastone (Eds.), *Quantitative Evaluation of Systems?: 20th International Conference, QEST 2023, Antwerp, Belgium, September 20–22, 2023, Proceedings* (pp. 47–64). IEEE. https://doi.org/10.1007/978-3-031-43835-6_4

[Link](#)

102 Informatik

Tundo, A., Mobilio, M., Ilager, S. S., Brandic, I., Bartocci, E., & Mariani, L. (2023). An Energy-Aware Approach to Design Self-Adaptive AI-based Applications on the Edge. In *2023 38th IEEE/ACM International Conference on Automated Software Engineering (ASE)* (pp. 281–293). IEEE. <https://doi.org/10.1109/ASE56229.2023.00046>

[Link](#)

102 Informatik

Andriushchenko, R., Bartocci, E., Ceška, M., Pontiggia, F., & Sallinger, S. S. (2023). Deductive Controller Synthesis for Probabilistic Hyperproperties. In N. Jansen & M. Tribastone (Eds.), *Quantitative Evaluation of Systems - 20th International Conference, QEST 2023* (pp. 47–64). Springer. https://doi.org/10.1007/978-3-031-43835-6_20

[Link](#)

102 Informatik

Aguilar, E. A., Bartocci, E., Mateis, C., Nesterini, E., & Nickovic, D. (2023). Mining Specification Parameters for Multi-class Classification. In P. Katsaros & L. Nenzi (Eds.), *Runtime Verification?: 23rd International Conference, RV 2023, Thessaloniki, Greece, October 3–6, 2023, Proceedings* (pp. 86–105).

Springer. https://doi.org/10.1007/978-3-031-44267-4_5

[Link](#)

102 Informatik

Riesenberger, S., & Krieg, C. (2023). Towards Power Characterization of FPGA Architectures To Enable Open-Source Power Estimation Using Micro-Benchmarks. In Proceedings of the 3rd Workshop on Open-Source Design Automation (OSDA) 2023. 3rd Workshop on Open-Source Design Automation (OSDA), 2023, Antwerpen, Belgium. arXiv. <https://doi.org/10.48550/arXiv.2304.05326>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Leva, F., Corna, A., Werginz, P., Palestri, P., Zeck, G. M., & Selmi, L. (2023). Identification of Axon Bendings in Neurons by Multiphysics FEM Simulations of High-Density MEA Extracellular Recordings. In 2023 IEEE SENSORS (pp. 1–4). IEEE. <https://doi.org/10.1109/SENSORS56945.2023.10325212>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Krieg, C. (2023). Reflections on Trusting TrustHUB. In 2023 IEEE/ACM International Conference on Computer Aided Design (ICCAD) Proceedings (pp. 1–9). Institute of Electrical and Electronics Engineers (IEEE). <https://doi.org/10.34726/5335>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Nguyen Toan, Vu, M. N., Vuong, A., Nguyen Dzung, Vo, T., Le, N., & Nguyen, A. (2023). Open-Vocabulary Affordance Detection in 3D Point Clouds. In 2023 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (pp. 5692–5698). IEEE. <https://doi.org/10.1109/IROS55552.2023.10341553>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Reichl, F.-X., Slivovsky, F., & Szeider, S. (2023). Circuit Minimization with QBF-Based Exact Synthesis. In Proceedings of the 37th AAI Conference on Artificial Intelligence (pp. 4087–4094). AAAI Press. <https://doi.org/10.1609/aaai.v37i4.25524>

[Link](#)

101 Mathematik

102 Informatik

Komusiewicz, C., Kunz, P., Sommer, F., & Sorge, M. (2023). On Computing Optimal Tree Ensembles. In A. Krause, E. Brunskill, K. Cho, B. Engelhardt, S. Sabato, & J. Scarlett (Eds.), Proceedings of the 40th International Conference on Machine Learning (pp. 17364–17374).

[Link](#)

101 Mathematik

102 Informatik

Hatzel, M., Jaffke, L., LIMA BARBOSA, C. P., Masarík, T., Pilipczuk, M., Sharma, R., & Sorge, M. (2023). Fixed-parameter tractability of DIRECTED MULTICUT with three terminal pairs parameterized by the size of the cutset: twin-width meets flow-augmentation. In Proceedings of the 2023 Annual ACM-SIAM Symposium on Discrete Algorithms (SODA23) (pp. 3229–3244). <https://doi.org/10.1137/1.9781611977554.ch123>

[Link](#)

101 Mathematik

102 Informatik

Reichl, F. X., Slivovsky, F., & Szeider, S. (2023). Circuit Minimization with Exact Synthesis: From QBF Back to SAT. In IWLS 2023: 32nd International Workshop on Logic & Synthesis (pp. 98–105).

[Link](#)

101 Mathematik

102 Informatik

Jatschka, T., Rodemann, T., & Raidl, G. R. (2023). A Multilevel Optimization Approach for Large Scale Battery Exchange Station Location Planning. In L. Pérez Cáceres & T. Stützle (Eds.), *Evolutionary Computation in Combinatorial Optimization: 23rd European Conference, EvoCOP 2023, Held as Part of EvoStar 2023, Brno, Czech Republic, April 12–14, 2023*. Proceedings (pp. 50–65). Springer. <https://doi.org/10.34726/5294>

[Link](#)

101 Mathematik

102 Informatik

Dreier, J., & Tucker-Foltz, J. (2023). Pseudorandom Finite Models. In *2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS)* (pp. 1–13). IEEE. <https://doi.org/10.1109/LICS56636.2023.10175694>

[Link](#)

101 Mathematik

102 Informatik

Dreier, J., Mählmann, N., Siebertz, S., & Torunczyk, S. (2023). Indiscernibles and Flatness in Monadically Stable and Monadically NIP Classes. In *50th International Colloquium on Automata, Languages, and Programming (ICALP 2023)*. 50th International Colloquium on Automata, Languages, and Programming (ICALP 2023), Paderborn, Germany. Schloss Dagstuhl -- Leibniz-Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.ICALP.2023.125>

[Link](#)

101 Mathematik

102 Informatik

Dreier, J., Mählmann, N., & Siebertz, S. (2023). First-Order Model Checking on Structurally Sparse Graph Classes. In *Proceedings of the 55th Annual ACM Symposium on Theory of Computing* (pp. 567–580). <https://doi.org/10.1145/3564246.3585186>

[Link](#)

101 Mathematik

102 Informatik

Dreier, J., Mock, D., & Rossmanith, P. (2023). Evaluating Restricted First-Order Counting Properties on Nowhere Dense Classes and Beyond. In *31st Annual European Symposium on Algorithms, ESA 2023*. 31st Annual European Symposium on Algorithms (ESA 2023), Amsterdam, Netherlands (the). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.ESA.2023.43>

[Link](#)

101 Mathematik

102 Informatik

Bergougoux, B., Dreier, J., & Jaffke, L. (2023). A logic-based algorithmic meta-theorem for mim-width. In *Proceedings of the 2023 Annual ACM-SIAM Symposium on Discrete Algorithms (SODA23)* (pp. 3282–3304). Society for Industrial and Applied Mathematics (SIAM). <https://doi.org/10.1137/1.9781611977554.ch125>

[Link](#)

101 Mathematik

102 Informatik

Suchi, M., Neuberger, B., Salykov, A., Weibel, J.-B., Patten, T., & Vincze, M. (2023). 3D-DAT: 3D-Dataset Annotation Toolkit for Robotic Vision. In 2023 IEEE International Conference on Robotics and Automation (ICRA) (pp. 9162–9168). IEEE. <https://doi.org/10.34726/5387>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Glaner, M. F., & Weber, R. (2023). Breaking the One-Meter Accuracy Level with Smartphone GNSS Data. In Eng. Proc., 2023, ENC 2023. European Navigation Conference 2023, Noordwijk, Netherlands (the). MDPI. <https://doi.org/10.3390/ENC2023-15465>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Fantoni, A., Koch, T., Liska, R., & Baudis, S. (2023). Synthesis and Characterization of Homogeneous Epoxy Networks: Development of a Sustainable Material Platform Using Epoxy-Alcohol Polyaddition. In Polymer Meeting 15 Book of Abstracts (pp. 131–131).

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Uhl, S., & Fermüller, C. (2023). Many-Valued Judgment Aggregation - Some New Possibility Results. In V.-N. Huynh, B. Le, & K. Honda (Eds.), Integrated Uncertainty in Knowledge Modelling and Decision Making?: 10th International Symposium, IUKM 2023, Kanazawa, Japan, November 2-4, 2023, Proceedings, Part I (pp. 3–14). Springer. https://doi.org/10.1007/978-3-031-46775-2_1

[Link](#)

102 Informatik

Kolb, T. E., Nalis-Neuner, I., & Neidhardt, J. (2023). Like a Skilled DJ - an Expert Study on News Recommendations Beyond Accuracy. In B. Kille (Ed.), Proceedings of the International Workshop on News Recommendation and Analytics co-located with the 2023 ACM Conference on Recommender Systems (RecSys 2023). CEUR-WS.org. <https://doi.org/10.34726/5332>

[Link](#)

102 Informatik

Ursel, N. (2023). Reduzierung des Einflusses von Messfehlern in gemessenen Beschleunigungsdaten. In F. Wuttke, D. B. A. Hendrawan, & A. Ö. Özarmut (Eds.), Tagungsband der 18. D-A-CH Tagung Erdbebeningenieurwesen und Baudynamik, 14.-15. September 2023, Kiel, Deutschland (pp. 181–190). Deutsche Gesellschaft für Erdbebeningenieurwesen und Baudynamik (DGEB) e.V.

[Link](#)

201 Bauwesen

Kolb, T. E., Wagne, A., Sertkan, M., & Neidhardt, J. (2023). Potentials of Combining Local Knowledge and LLMs for Recommender Systems. In V. W. Anelli, P. Basile, G. De Melo, F. Donini, A. Ferrara, C. Musto, F. Narducci, A. Ragone, & M. Zanker (Eds.), Proceedings of the Fifth Knowledge-aware and Conversational Recommender Systems Workshop co-located with 17th ACM Conference on Recommender Systems (RecSys 2023) (pp. 61–64). CEUR-WS.org. <https://doi.org/10.34726/5334>

[Link](#)

102 Informatik

Ramizi, M., Kirnbauer, J., Liberto, T., & Robisson, A. (2023). Concept development for the design of a permeable paving stone. In N. Shkodrani, J. Gjipalaj, & O. Marko (Eds.), Proceedings of the International Conference of Civil Engineering?: ICCE 2023 (pp. 435–443).

[Link](#)

201 Bauwesen
205 Werkstofftechnik
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Csencsics, E. K., Doblinger, G., & Schitter, G. (2023). A novel magnetically levitated tip/tilt motion platform. In H. Ishii, Y. Ebihara, J. Imura, & M. Yamakita (Eds.), *22nd IFAC World Congress* (pp. 3379–3385). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.1485>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zabasta, A., Petrovic, A., Ktena, A., Kunicina, N., Arsic, N., & Ajanovic, A. (2023). Development of KALCEA Novel Collaborative Platform for Sustainable Development of Western Balkan Countries. In M. E. Auer, W. Pachatz, & T. Rützmann (Eds.), *Learning in the Age of Digital and Green Transition?: Proceedings of the 25th International Conference on Interactive Collaborative Learning (ICL2022)*, Volume 2 (pp. 913–920). Springer. https://doi.org/10.1007/978-3-031-26190-9_93

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Greunz, T., Hafner, M., Gruber, R., Wojcik, T., Duchoslav, J., & Stifter, D. (2023). Surface Characterization Methods to Evaluate Adhesive Bonding Performance of 6xxx Automotive Alloys. In S. Broek (Ed.), *Light Metals 2023* (pp. 387–395). Springer. https://doi.org/10.1007/978-3-031-22532-1_54

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Aigner, C., Baranyi, R., Hölbling, D., Baur, K., Zeillinger, V., & Grechenig, T. (2023). Analysis, Implementation, and Assessment of a Serious Game for Smoking Cessation: Investigating Design and Playtesting Outcomes. In *The 11th International Conference on E-Health and Bioengineering - EHB 2023. The 11th International Conference on E-Health and Bioengineering - EHB 2023, Bucharest, Romania*. IEEE.

[Link](#)

102 Informatik

Wallner, M. (2023). Dyck paths and inversion tables. In *Permutation Patterns 2023?: Booklet* (pp. 142–144).

[Link](#)

101 Mathematik

Behrle, R., Bažiková, M., Barth, S., Weber, W. M., & Sistani, M. (2023). Mapping Electronic Transport in Ge Nanowire SBFETs: From Tunneling to NDR. In *2023 IEEE Nanotechnology Materials and Devices Conference (NMDC)* (pp. 889–894). IEEE. <https://doi.org/10.34726/5370>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Maduranga, M. W. P., Kalansooriya, P., Retscher, G., & Gabela Majic, J. (2023). Machine Learning-Based Indoor Localization System to Support 5G Location-Based Services. In *2023 7th SLAAI International Conference on Artificial Intelligence (SLAAI-ICAI)* (pp. 1–6). IEEE. <https://doi.org/10.1109/SLAAI-ICAI59257.2023.10365026>

[Link](#)

102 Informatik
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Geibinger, T. (2023). Explainable Answer-set Programming. In *Proceedings ICLP 2023* (pp. 423–429). <https://doi.org/10.4204/EPTCS.385.52>

[Link](#)

101 Mathematik
102 Informatik

Eiter, T., & Geibinger, T. (2023). Explaining Answer-Set Programs with Abstract Constraint Atoms. In Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (IJCAI-23) (pp. 3193–3202). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/356>

[Link](#)

101 Mathematik
102 Informatik

Eiter, T., Geibinger, T., & Oetsch, J. (2023). Contrastive Explanations for Answer-Set Programs. In Logics in Artificial Intelligence - 18th European Conference, JELIA 2023, Dresden, Germany, September 20-22, 2023, Proceedings (pp. 73–89). Springer. https://doi.org/10.1007/978-3-031-43619-2_6

[Link](#)

101 Mathematik
102 Informatik

Eiter, T., Geibinger, T., Higuera, N., & Oetsch, J. (2023). A Logic-based Approach to Contrastive Explainability for Neurosymbolic Visual Question Answering. In E. Elkind (Ed.), Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (pp. 3668–3676). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/408>

[Link](#)

101 Mathematik
102 Informatik

Kern, L. M., Krasna, H., Böhm, J., Nothnagel, A. G., & Madzak, M. (2023). Vienna Combination Software - VieCompy. In R. Haas, Schroth Eva, & A. Neidhardt (Eds.), Proceedings of the 26th European VLBI Group for Geodesy and Astrometry Working Meeting (pp. 92–95). <http://hdl.handle.net/20.500.12708/191094>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Podkosova, I., Reisinger, J., Zahlbruckner, M. A., Kovacic, I., & Kaufmann, H. (2023). Evaluation of Virtual Reality for Early-Stage Structure and Production Planning for Industrial Buildings. In 2023 IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct) (pp. 159–166). IEEE. <https://doi.org/10.1109/ISMAR-Adjunct60411.2023.00040>

[Link](#)

102 Informatik

Barto, L., Bodor, B., Kozik, M., Mottet, A., & Pinsker, M. (2023). Symmetries of Graphs and Structures that Fail to Interpret a Finite Thing. In 2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS). 2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS), Boston, MA, United States of America (the). IEEE. <https://doi.org/10.1109/LICS56636.2023.10175732>

[Link](#)

101 Mathematik
102 Informatik

Lehr, C., Denzler, P., Frühwirth, T., & Kastner, W. (2023). Buffer Management for TSN-Enabled End Stations. In 19th IEEE International Conference on Factory Communication Systems (WFCS 2023) (pp. 1–8). IEEE. <https://doi.org/10.1109/WFCS57264.2023.10144243>

[Link](#)

102 Informatik

Öhlinger, D., & Schmid, U. (2023). A Digital Delay Model Supporting Large Adversarial Delay Variations. In 2023 26th International Symposium on Design and Diagnostics of Electronic Circuits and Systems (DDECS) (pp. 111–117). <https://doi.org/10.1109/DDECS57882.2023.10139680>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Winkler, K., Paz, A., Galeana, H. R., Schmid, S., & Schmid, U. (2023). The Time Complexity of Consensus Under Oblivious Message Adversaries. In Y. T. Kalai (Ed.), 14th Innovations in Theoretical Computer Science Conference (ITCS'23) (pp. 1–28). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.ITCS.2023.100>

[Link](#)

101 Mathematik

102 Informatik

Ferdowsi, A., Függer, M., Nowak, T., & Schmid, U. (2023). Continuity of Thresholded Mode-Switched ODEs and Digital Circuit Delay Models. In HSCC '23: Proceedings of the 26th ACM International Conference on Hybrid Systems: Computation and Control. 26th ACM International Conference on Hybrid Systems: Computation and Control (HSCC'23), San Antonio, United States of America (the). Association for Computing Machinery. <https://doi.org/10.1145/3575870.3587125>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Rondinella, F., Daneluz, F., Hofko, B., & Baldo, N. (2023). A Machine Learning Approach for the Simultaneous Prediction of Dynamic Modulus and Phase Angle of Asphalt Concrete Mixtures. In T. Guarda, F. Portela, & J. M. Diaz Nafria (Eds.), Advanced Research in Technologies, Information, Innovation and Sustainability?: Third International Conference, ARTIIS 2023, Madrid, Spain, October 18–20, 2023, Proceedings, Part I (pp. 507–520). Springer. https://doi.org/10.1007/978-3-031-48858-0_40

[Link](#)

201 Bauwesen

Nguyen, D. T., Ourednik, P., & Feiginov, M. (2023). Conventional vs. Island THz Slot-Antenna Resonant-Tunneling-Diode Oscillators. In 2023 48th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz). 2023 48th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Montreal, Canada. IEEE. <https://doi.org/10.1109/IRMMW-THz57677.2023.10298944>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ourednik, P., Nguyen, D. T., & Feiginov, M. (2023). A Simple View on Large-Signal Resonant-Tunneling-Diode Dynamics. In 2023 48th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz). 2023 48th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Montreal, Canada. IEEE. <https://doi.org/10.1109/IRMMW-THz57677.2023.10298883>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Pinto, D., Kinjalk, K., Meguekam, A., Bahriz, M., & Baranov, A. (2023). Tapered quantum cascade lasers in the long-wavelength mid infrared region. In M. Razeghi, G. A. Khodaparast, & M. S. Vitiello (Eds.), Quantum Sensing and Nano Electronics and Photonics XIX. <https://doi.org/10.1117/12.2649669>

[Link](#)

104 Chemie

Pinto, D., Waclawek, J. P., Lindner, S., Moser, H., Ricchiuti, G., & Lendl, B. (2023). Highly sensitive and rugged gas optical detection via interferometric cavity-assisted photothermal spectroscopy. In L. E. Busse & Y. Soskind (Eds.), *Photonic Instrumentation Engineering X*. <https://doi.org/10.1117/12.2648273>

[Link](#)

104 Chemie

Pachinger, P., Hanbury, A., Neidhardt, J., & Planitzer, A. M. (2023). Toward Disambiguating the Definitions of Abusive, Offensive, Toxic, and Uncivil Comments. In *Proceedings of the First Workshop on Cross-Cultural Considerations in NLP (C3NLP)* (pp. 107–113). <https://doi.org/10.18653/v1/2023.c3nlp-1.11>

[Link](#)

102 Informatik

Sertkan, M., Althammer, S., & Hofstätter, S. (2023). Ranger: A Toolkit for Effect-Size Based Multi-Task Evaluation. In B. Danushka (Ed.), *Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 3: System Demonstrations)* (pp. 581–587). Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.acl-demo.56>

[Link](#)

102 Informatik

Sertkan, M., Althammer, S., Hofstätter, S., Knees, P., & Neidhardt, J. (2023). Exploring Effect-Size-Based Meta-Analysis for Multi-Dataset Evaluation. In *Proceedings of the 3rd Workshop Perspectives on the Evaluation of Recommender Systems 2023 co-located with the 17th ACM Conference on Recommender Systems (RecSys 2023)*. PERSPECTIVES 2023 - Perspectives on the Evaluation of Recommender Systems Workshop co-located with the 17th ACM Conference on Recommender Systems, Singapore, Singapore. CEUR-WS.org. <https://doi.org/10.34726/5352>

[Link](#)

102 Informatik

Sertkan, M., & Neidhardt, J. (2023). On the Effect of Incorporating Expressed Emotions in News Articles on Diversity within Recommendation Models. In B. Kille (Ed.), *Proceedings of the International Workshop on News Recommendation and Analytics, co-located with the 2023 ACM Conference on Recommender Systems (RecSys 2023)*. CEUR-WS.org. <https://doi.org/10.34726/5353>

[Link](#)

102 Informatik

Kovacs, B. I., Erb, I., Kaufmann, H., & Ferschin, P. (2023). MR.Sketch. Immediate 3D Sketching via Mixed Reality Drawing Canvases. In *Proceedings of the 2023 IEEE International Symposium on Mixed and Augmented Reality (ISMAR)* (pp. 10–19). <https://doi.org/10.1109/ISMAR59233.2023.00015>

[Link](#)

102 Informatik

201 Bauwesen

Adam, D., Brunner, A. T., Markiewicz, R., & Pistol, J. (2023). Long-term experience of the thermo-active ground source system at the metro station Taborstrasse in Vienna. In S. Zlatovic, L. Matešić, K. Minažek, L. Podolszki, & I. Sokolic (Eds.), *SISAK 2023 Geotehnika u epicentru – Petrinja 2020?: 9th Conference of Croatian Geotechnical Society with international participation & under the auspices of ISSMGE*. Croatian Geotechnical Society.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Raich, P., & Kastner, W. (2023). 6LoFD: A Failure Detector for 6LoWPAN. In *2022 IEEE 8th World Forum on Internet of Things (WF-IoT)* (pp. 1–6). IEEE. <https://doi.org/10.1109/WF-IoT54382.2022.10152256>

[Link](#)

101 Mathematik
102 Informatik
202 Elektrotechnik, Elektronik, Informationstechnik

Wolf, H., Böhm, J., & Hugentobler, U. (2023). Absolute orientation of Galileo orbits from simulated VLBI and GNSS observations. In R. Haas, E. Schroth, & A. Neidhardt (Eds.), *Proceedings of the 26th European VLBI Group for Geodesy and Astrometry Working Meeting* (pp. 175–179). <https://doi.org/10.34726/5439>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Singh, S., Böhm, J., Krasna, H., Balasubramanian, N., & Dikshit, O. (2023). Analysis of Non-Tidal Loading Deformation at VLBI Sites. In R. Haas, E. Schroth, & A. Neidhardt (Eds.), *Proceedings of the 26th European VLBI Group for Geodesy and Astrometry Working Meeting* (pp. 151–155). <https://doi.org/10.34726/5440>

[Link](#)

105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Laha, A., Böhm, J., Böhm, S., Krasna, H., Balasubramanian, N., & Dikshit, O. (2023). Impact of terrestrial datum on the estimation of Earth Orientation Parameters by geodetic VLBI. In R. Haas, Schroth Eva, & A. Neidhardt (Eds.), *Proceedings of the 26th European VLBI Group for Geodesy and Astrometry Working Meeting* (pp. 104–108). <https://doi.org/10.34726/5416>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

El-Ebshihy, A., Ningtyas, A. M., Piroi, F., Rauber, A., Romadhony, A., Faraby, S. A., & Sabariah, M. K. (2023). Using Semi-automatic Annotation Platform to Create Corpus for Argumentative Zoning. In O. Alonso, H. Cousijn, G. Silvello, M. Marrero, C. Teixeira Lopes, & S. Marchesin (Eds.), *Linking Theory and Practice of Digital Libraries: 27th International Conference on Theory and Practice of Digital Libraries, TPD L 2023, Zadar, Croatia, September 26–29, 2023, Proceedings* (pp. 132–145). Springer. https://doi.org/10.1007/978-3-031-43849-3_12

[Link](#)

102 Informatik
502 Wirtschaftswissenschaften

El-Ebshihy, A. (2023). Identifying and Representing Knowledge Delta in Scientific Literature. In J. Kamps, L. Goeriot, F. Crestani, M. Maistro, H. Joho, B. Davis, C. Gurrin, U. Kruschwitz, & A. Caputo (Eds.), *Advances in Information Retrieval: 45th European Conference on Information Retrieval, ECIR 2023, Dublin, Ireland, April 2–6, 2023, Proceedings, Part III* (pp. 436–442). https://doi.org/10.1007/978-3-031-28241-6_49

[Link](#)

102 Informatik
502 Wirtschaftswissenschaften

De Maio, V., & Brandic, I. (2023). Accelerating Scientific Applications with the Quantum Edge: A Drug Design Use Case. In A. Bienz, M. Weiland, M. Baboulin, & C. Kruse (Eds.), *High Performance Computing?: ISC High Performance 2023 International Workshops, Hamburg, Germany, May 21–25, 2023, Revised Selected Papers* (pp. 134–143). Springer. https://doi.org/10.1007/978-3-031-40843-4_11

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Ahmad, S., & Aral, A. (2023). Hierarchical Federated Transfer Learning: A Multi-Cluster Approach on the Computing Continuum. In Proceedings ICMLA 2023. 22nd International Conference on Machine Learning and Applications (ICMLA-23), Jacksonville Riverfront, Florida, United States of America (the).

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Angjusheva, B., Merta, I., & Fidancevski, E. (2023). Sustainable Synergy: Alkali-Activated Coal Fly Ash and CDW in sustainable construction. In International Scientific and Professional Conference POLITEHNIKA: Conference Proceedings (pp. 237–241).

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Steindl, C., & Hofmann, P. (2023). Systematic Development Approach for a Hybrid Electric Powertrain Using Fuel-Cell-in-the-Loop Test Methodology. In SAE Technical Paper (pp. 1–13). SAE International. <https://doi.org/10.34726/5371>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Sterba, J. (2023). Neutron activation analysis of the pottery corpus of Hala Sultan Tekke and comparison to literature data. In T. Bürge & P. M. Fischer (Eds.), The decline of Bronze Age Civilisations in the Mediterranean: Cyprus and Beyond (pp. 261–268). Astrom Editions.

[Link](#)

103 Physik, Astronomie

104 Chemie

107 Andere Naturwissenschaften

Gesing, A. L., Tran, T., Platz, D., & Schmid, U. (2023). Modal Quality Factor Inversion of Non-Slender Mems Resonators Between Gases and Liquids. In 2023 IEEE 36th International Conference on Micro Electro Mechanical Systems Conference (MEMS) (pp. 1072–1075). IEEE. <https://doi.org/10.1109/MEMS49605.2023.10052411>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Moll, P., Pfusterschmied, G., & Schmid, U. (2023). Robust Polycrystalline 3C-Sic-on-Si Heterostructures with Low CTE Mismatch up to 900 °C for MEMS. In 2023 IEEE 36th International Conference on Micro Electro Mechanical Systems (MEMS) (pp. 590–593). IEEE. <https://doi.org/10.1109/MEMS49605.2023.10052144>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Martín-Hernández, R., Hu, H., Baltuska, A., Plaja, L., & Hernandez Garcia, C. (2023). Fourier-Limited Few-Cycle Attosecond Pulses from High-Order Harmonic Generation Assisted by an Ultraintense Ultrafast Magnetic Field. In 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC). 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC), Munich, Germany. IEEE. <https://doi.org/10.1109/CLEO/EUROPE-EQEC57999.2023.10231898>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Platz, D., Fabian, J., Samm, E., Mortada, M., Schneider, M., & Schmid, U. (2023). Exploiting Parametric Instability in Bistable MEMS Actuators. In 2023 IEEE 36th International Conference on Micro Electro Mechanical Systems (MEMS) (pp. 530–533). IEEE. <https://doi.org/10.1109/MEMS49605.2023.10052469>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schneider, M., Kößl, B., Alasatri, S., Magnet, I. A. M., & Schmid, U. (2023). Scalable Modular Measurement System For Continuous Blood Monitoring With Piezoelectric Mems Resonators. In 2023 IEEE 36th International Conference on Micro Electro Mechanical Systems (MEMS) (pp. 471–474). IEEE. <https://doi.org/10.1109/MEMS49605.2023.10052396>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wang, S., Yan, J., de las Heras, A., Song, S., Prodanov, A., Wu, Z., Hernandez Garcia, C., Plaja, L., Popmintchev, D., & Popmintchev, T. (2023). Double Electron Recombination in Strongly Correlated System: Extended Secondary Plateau in UV-Driven High Harmonic Generation in the Soft X-ray Regime. In Frontiers in Optics 2023 (pp. 1–2). Optica Publishing Group.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Piacentini, A., Polyushkin, D., Uzlu, B., Grundmann, A., Heuken, D. M., Kalisch, H., Vescan, A., Müller, T., Lemme, M. C., & Neumaier, D. (2023). Flexible CMOS electronics based on 2D p-type WSe₂ and n-type MoS₂. In 2023 Device Research Conference (DRC) (pp. 1–2). IEEE. <https://doi.org/10.1109/DRC58590.2023.10187050>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rapalis, A., Sokas, D., Plusciauskaite, V., Jurgionyte, S., Stankeviciute, Z., Lazaro, J., Savaneviciene, A., Bailon, R., Kaniusas, E., & Marozas, V. (2023). Photoplethysmogram morphology in stress: from mental to pain to physical activity-induced stress. In CinC 2023?: Program & Final Papers (pp. 1–4). IEEE. <https://doi.org/10.22489/CinC.2023.055>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

206 Medizintechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Rüger, B. (2023). Vehicle Interiors - Efficiency Through Customer Orientation. In Proceedings Vol II?: 26th International Conference Current Problems in Rail Vehicles?: Prorail 2023 (pp. 215–224).

[Link](#)

Ricchiuti, G., Dabrowska, A., Pinto, D., Ramer, G., & Lendl, B. (2023). Mid-IR photothermal sensing of liquids for trace analysis. In Photonic Instrumentation Engineering X. Photonic Instrumentation Engineering X (SPIE OPTO, 2023), United States of America (the). SPIE Digital Library. <https://doi.org/10.1117/12.2649811>

[Link](#)

104 Chemie

Kanai, T., Kaksis, E., Pugzlys, A., Baltuska, A., Okazaki, D., Yasuhara, R., & Tokita, S. (2023). Supercontinuum-seeded 4-micron KTA Optical Parametric Amplifier for Seeding a High Energy Fe:ZnSe Multipass Amplifier and Related Applications in Particle Physics. In Proceedings Laser Congress 2023 (ASSL, LAC). Laser Congress 2023 (ASSL, LAC), Tacoma, United States of America (the). Optica Publishing Group. <https://doi.org/10.1364/LAC.2023.LTu1B.3>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Gupta, A., Jutas, R., Gollner, C., Pugzlys, A., Baltuska, A., & Fülöp, J. A. (2023). Broadband GaP Contact Grating Terahertz Source Pumped at 3.9 μm . In 2023 48th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz) (pp. 1–2). IEEE. <https://doi.org/10.1109/IRMMW-THz57677.2023.10299250>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Plaja, L., Martín-Hernández, R., Hu, H., Baltuska, A., & Hernandez Garcia, C. (2023). Ultra-high phase-locked harmonic generation from magnetic transversal confinement of electrons. In EPJ Web of Conferences Volume 287 (2023) (pp. 1–2). <https://doi.org/10.1051/epjconf/202328708009>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Lendl, B., Hermann, D. R., Ramer, G., & Zeiler, M. (2023). Enantiomeric excess determination by quantum cascade laser vibrational circular dichroism: a chemometric approach. In L. E. Busse & Y. Soskind (Eds.), Photonic Instrumentation Engineering X. SPIE Digital Library. <https://doi.org/10.1117/12.2650526>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Tobisch, S. T., Löschenbrand, D., & Psenner, A. (2023). Wiener Straßendorf: a historical consideration of Vienna's pristine linear settlements. In V. Djokic, A. Djordjevic, M. Pešic, M. Milojevic, & A. Milovanovic (Eds.), Praxis of Urban Morphology?: Conference Proceedings - Part II. XXX Conference of the International Seminar on Urban Form (ISUF2023) (pp. 109–120). University of Belgrade - Faculty of Architecture. <https://doi.org/10.34726/5484>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Arnold, T., De Biasio, M., Berezki, T., Oliveira, B., Frank, F., Freitag, S., & Lendl, B. (2023). Development of a particle analysis system for the process water of the petrochemical industry using hyperspectral imaging, white-light imaging, and fluorescence imaging. In M. Velez-Reyes & D. W. Messenger (Eds.), Algorithms, Technologies, and Applications for Multispectral and Hyperspectral Imaging XXIX. SPIE. <https://doi.org/10.1117/12.2663912>

[Link](#)

104 Chemie

Bernreiter, M., Dvorak, W., Rapberger, A., & Woltran, S. (2023). The Effect of Preferences in Abstract Argumentation under a Claim-Centric View. In Proceedings of the 37th AAAI Conference on Artificial Intelligence (AAAI-23) (pp. 6253–6261). AAAI Press. <https://doi.org/10.1609/AAAI.V37I5.25770>

[Link](#)

101 Mathematik

102 Informatik

Buraglio, G., Dvorak, W., Rapberger, A., & Woltran, S. (2023). Constrained Derivation in Assumption-Based Argumentation. In G. Alfano & S. Ferilli (Eds.), Proceedings of the 7th Workshop on Advances in Argumentation in Artificial Intelligence (AI³ 2023). CEUR-WS.org. <https://doi.org/10.34726/5385>

[Link](#)

101 Mathematik

102 Informatik

Corrêa, A., Hecher, M., Helmert, M., Longo, D. M., Pommerening, F., & Woltran, S. (2023). Grounding Planning Tasks Using Tree Decompositions and Iterated Solving. In Proceedings of the Thirty-Third International Conference on Automated Planning and Scheduling (pp. 100–108). Association for the Advancement of Artificial Intelligence. <https://doi.org/10.1609/icaps.v33i1.27184>

[Link](#)

101 Mathematik

102 Informatik

Besin, V., Hecher, M., & Woltran, S. (2023). On the Structural Complexity of Grounding - Tackling the ASP Grounding Bottleneck via Epistemic Programs and Treewidth. In K. Gal, A. Nowé, G. J. Nalepa, R. Fairstein, & R. Radulescu (Eds.), *ECAI 2023?: 26th European Conference on Artificial Intelligence*, September 30–October 4, 2023, Kraków, Poland. Including 12th Conference on Prestigious Applications of Intelligent Systems (PAIS 2023). Proceedings (pp. 247–254). IOS Press. <https://doi.org/10.3233/FAIA230277>

[Link](#)

101 Mathematik

102 Informatik

Dimopoulos, Y., Dvorak, W., König, M., Rapberger, A., Ulbricht, M., & Woltran, S. (2023). Sets Attacking Sets in Abstract Argumentation. In K. Sauterwald & M. Thimm (Eds.), *Proceedings of the 21st International Workshop on Non-Monotonic Reasoning*, co-located with the 20th International Conference on Principles of Knowledge Representation and Reasoning (KR 2023) and co-located with the 36th International Workshop on Description Logics (DL 2023) (pp. 22–31). CEUR-WS.org. <https://doi.org/10.34726/5386>

[Link](#)

101 Mathematik

102 Informatik

Zeimetz, T., Hose, K., & Schenkel, R. (2023). Tunable Query Optimizer for Web APIs and User Preferences. In B. Venable, D. Garijoa, & B. Jalaian (Eds.), *Proceedings of the 12th Knowledge Capture Conference 2023* (pp. 92–100). Association for Computing Machinery (ACM). <https://doi.org/10.1145/3587259.3627542>

[Link](#)

101 Mathematik

102 Informatik

Pelgrin, O., Taelman, R., Galárraga, L., & Hose, K. (2023). The Need for Better RDF Archiving Benchmarks. In M. Saleem, A.-C. Ngonga Ngomo, D. Graux, F. Orlandi, E. Niazmand, G. Ydler, & M.-E. Vidal (Eds.), *Joint Proceedings of the QuWeDa and MEPDaW 2023: 7th Workshop on Storing, Querying and Benchmarking Knowledge Graphs and 9th Workshop on Managing the Evolution and Preservation of the Data Web (QuWeDa-MEPDaW 2023)* (pp. 50–54). <https://doi.org/10.34726/5398>

[Link](#)

101 Mathematik

102 Informatik

Abouda, G., Aebeloe, C., Dell’Aglia, D., Keen, A., & Hose, K. (2023). StarBench: Benchmarking RDF-star Triplestores. In M. U. Saleem, A.-C. Ngonga Ngomo, D. Graux, F. Orlandi, E. Niazmand, G. Ydler, & M.-E. Vidal (Eds.), *Joint Proceedings of the QuWeDa and MEPDaW 2023: 7th Workshop on Storing, Querying and Benchmarking Knowledge Graphs and 9th Workshop on Managing the Evolution and Preservation of the Data Web (QuWeDa-MEPDaW 2023)* (pp. 34–49). CEUR-WS.org. <https://doi.org/10.34726/5399>

[Link](#)

101 Mathematik

102 Informatik

Jendal, T., Lissandrini, M., Dolog, P., & Hose, K. (2023). GInRec: A Gated Architecture for Inductive Recommendation using Knowledge Graphs. In V. W. Anelli, P. Basile, G. De Melo, F. Donini, A. Ferrara, C. Musto, F. Narducci, A. Ragone, & M. Zanker (Eds.), *Proceedings of the Fifth Knowledge-aware and Conversational Recommender Systems Workshop co-located with 17th ACM Conference on*

Recommender Systems (RecSys 2023) (pp. 80–89). CEUR-WS.org. <https://doi.org/10.34726/5395>

[Link](#)

101 Mathematik

102 Informatik

Lamurias, A., Tibo, A., Hose, K., Albertsen, M., & Nielsen, T. D. (2023). Graph Neural Networks for Metagenomic Binning. In The 2023 ICML Workshop on Computational Biology. Accepted Submissions. 40th International Conference on Machine Learning (ICML 2023), Honolulu, United States of America (the). ICML compbio workshop. <https://doi.org/10.34726/5406>

[Link](#)

101 Mathematik

102 Informatik

Lamurias, A., Tibo, A., Hose, K., Albertsen, M., & Nielsen, T. D. (2023). Metagenomic Binning using Connectivity-constrained Variational Autoencoders. In Proceedings of the 40th International Conference on Machine Learning. 40th International Conference on Machine Learning (ICML 2023), Honolulu, United States of America (the).

[Link](#)

101 Mathematik

102 Informatik

Ignat, I., Arvidsson, E., Roos, A., Scarano, E., Haviland, D., Platz, D., & Schmid, U. (2023). Nanosized Vacuum Gap Electromechanical Devices with Integrated Piezoelectric Actuator. In MikroSystemTechnik Kongress 2023 (pp. 413–416). VDE.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Loch Gesing, A., Tran, T., Platz, D., & Schmid, U. (2023). Efficiently modelling the fluid-structure interaction of micro-plate- resonators with viscous fluids using modal basis functions. In MikroSystemTechnik Kongress 2023 (pp. 98–102). VDE Verlag.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schneider, M., & Schmid, U. (2023). Impact of bandwidth and number of measurement points on Q-factor measurement precision in piezoelectric MEMS resonators. In MikroSystemTechnik Kongress 2023 (pp. 681–685). VDE Verlag.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Alasatri, S., Schneider, M., Mirwald, J., Hofko, B., & Schmid, U. (2023). Continuous Monitoring of the Dynamic Viscosity of Bitumen with Piezoelectric MEMS Sensors. In Tagungsband MikroSystemTechnik Kongress 2023 (pp. 810–813). VDE Verlag.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Alexopoulos, K., Weber, M., Trautner, T., Manns, M., Nikolakis, N., Weigold, M., & Engel, B. (2023). An industrial data-spaces framework for resilient manufacturing value chains. In Y. Guo & M. Helu (Eds.), *Procedia CIRP*: 30th CIRP Life Cycle Engineering Conference (pp. 299–304). Elsevier BV. <https://doi.org/10.1016/j.procir.2023.02.051>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Sallinger, S., Weissenbacher, G., & Zuleger, F. (2023). A Formalization of Heisenbugs and Their Causes. In C. Ferreira & T. A. C. Willemse (Eds.), *Software Engineering and Formal Methods*: 21st International

Conference, SEFM 2023, Eindhoven, The Netherlands, November 6-10, 2023, Proceedings (pp. 282–300). Springer. <https://doi.org/10.34726/5381>

[Link](#)

102 Informatik

Stapleton, L., Wang, F.-Y., Netto, M., Jia, Q.-S., Visioli, A., & Kopacek, P. (2023). Control Challenges for Social Systems Milestone Survey: Current Status and Future Vision. In IFAC Papers Online (pp. 320–325). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.1587>

[Link](#)

203 Maschinenbau

Hametner, C., & Ferrara, A. (2023). Energy Management Strategy to Limit Battery Degradation in Fuel Cell Electric Vehicles. In Book of Abstract: 8th International Electric Vehicle Conference (EVC 2023) (pp. 125–125). ScienceDirect.

[Link](#)

203 Maschinenbau

Rabbani, K., Lissandrini, M., & Hose, K. (2023). SHACTOR: Improving the Quality of Large-Scale Knowledge Graphs with Validating Shapes. In Companion of the 2023 International Conference on Management of Data (pp. 151–154). <https://doi.org/10.1145/3555041.3589723>

[Link](#)

101 Mathematik

102 Informatik

Merkl, T. C., Pichler, R., & Skritek, S. (2023). Diversity of Answers to Conjunctive Queries (extended Abstract). In B. Kimelfeld, M. V. Martinez, & R. Angles (Eds.), Proceedings of the 15th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW 2023). <https://doi.org/10.34726/5393>

[Link](#)

101 Mathematik

102 Informatik

Merkl, T. C., Pichler, R., & Skritek, S. (2023). Diversity of Answers to Conjunctive Queries. In F. Geerts & B. Vandevoort (Eds.), 26th International Conference on Database Theory (pp. 10:1-10:19). Schloss Dagstuhl – Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing. <https://doi.org/10.4230/LIPICS.ICDT.2023.10>

[Link](#)

101 Mathematik

102 Informatik

Grasmann, L., Pichler, R., & Selzer, A. (2023). Integration of Skyline Queries into Spark SQL. In F. Geerts & B. Vandevoort (Eds.), Proceedings 26th International Conference on Extending Database Technology (EDBT 2023) (pp. 337–350). OpenProceedings.org. <https://doi.org/10.48786/edbt.2023.27>

[Link](#)

101 Mathematik

102 Informatik

Bernreiter, M., & König, M. (2023). From Qualitative Choice Logic to Abstract Argumentation. In Proceedings of the Twentieth International Conference on Principles of Knowledge Representation and Reasoning (pp. 737–741). International Joint Conferences on Artificial Intelligence Organization. <https://doi.org/10.24963/kr.2023/73>

[Link](#)

101 Mathematik

102 Informatik

Lackner, M., & Maly, J. (2023). Proportional Decisions in Perpetual Voting. In Proceedings of the 37th AAAI Conference on Artificial Intelligence (pp. 5722–5729). AAAI Press. <https://doi.org/10.1609/aaai.v37i5.25710>

[Link](#)

101 Mathematik

102 Informatik

Brill, M., Forster, S., Lackner, M., Maly, J., & Peters, J. (2023). Proportionality in Approval-Based Participatory Budgeting. In Proceedings of the 37th AAAI Conference on Artificial Intelligence (pp. 5524–5531). AAAI Press. <https://doi.org/10.1609/aaai.v37i5.25686>

[Link](#)

101 Mathematik

102 Informatik

Mischek, F., & Musliu, N. (2023). Leveraging problem-independent hyper-heuristics for real-world test laboratory scheduling. In GECCO '23: Proceedings of the Genetic and Evolutionary Computation Conference (pp. 321–329). Association for Computing Machinery (ACM). <https://doi.org/10.1145/3583131.3590354>

[Link](#)

101 Mathematik

102 Informatik

Kletzander, L., & Musliu, N. (2023). Large-State Reinforcement Learning for Hyper-Heuristics. In Proceedings of the 37th AAAI Conference on Artificial Intelligence (pp. 12444–12452). AAAI Press. <https://doi.org/10.1609/aaai.v37i10.26466>

[Link](#)

101 Mathematik

102 Informatik

Kletzander, L., & Musliu, N. (2023). Dynamic Weight Setting for Personnel Scheduling with Many Objectives. In S. Koenig, R. Stern, & M. Vallati (Eds.), Proceedings of the Thirty-Third International Conference on Automated Planning and Scheduling (pp. 509–517). AAAI Press. <https://doi.org/10.1609/icaps.v33i1.27231>

[Link](#)

101 Mathematik

102 Informatik

Schwaiger, C., Trautner, T. F., & Bleicher, F. (2023). Load Profile Optimization Using Electricity Wholesale Market Price Data for Discrete Manufacturing. In H. Kohl, G. Seliger, & F. Dietrich (Eds.), Manufacturing Driving Circular Economy: Proceedings of the 18th Global Conference on Sustainable Manufacturing, October 5-7, 2022, Berlin (pp. 508–516). Springer. https://doi.org/10.1007/978-3-031-28839-5_57

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Nalis, I., & Neidhardt, J. (2023). Not Facial Expression, nor Fingerprint – Acknowledging Complexity and Context in Emotion Research for Human-Centered Personalization and Adaptation. In Adjunct Proceedings of the 31st ACM Conference on User Modeling, Adaptation and Personalization (pp. 325–330). Association for Computing Machinery. <https://doi.org/10.1145/3563359.3596990>

[Link](#)

102 Informatik

Luckeneder, C., Hoch, R., & Kaindl, H. (2023). Towards Using Structural Abstraction for Model Checking. In 2023 10th International Conference on Dependable Systems and Their Applications (DSA)

(pp. 105–113). IEEE. <https://doi.org/10.1109/DSA59317.2023.00023>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Anderluh, A., Fetka, J., Illek, G., & Troppe, M. (2023). How to integrate logistics requirements in the planning of urban quarters. In ETC Conference Papers 2023 (pp. 1–11).

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Lanzinger, M., Nissl, M., Sallinger, E., & Walega, P. (2023). Temporal Datalog with Existential Quantification. In E. Elkind (Ed.), Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (IJCAI 2023) (pp. 3277–3285). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/365>

[Link](#)

101 Mathematik

102 Informatik

Hoffmann, M. (2023). Travel time gains VS time constancy - An irresolvable contradiction? In F. Biondini & D. M. Frangopol (Eds.), Life-Cycle of Structures and Infrastructure Systems?: 8th International Symposium on Life-Cycle Civil Engineering (IALCCE 2023) (pp. 3276–3283). CRC Press. <https://doi.org/10.1201/9781003323020-400>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

kondapuram, A. reddy, Treytl, A., Survaiya, S. P., & Sauter, T. (2023). Watermark Based Sensor Data Protection System for Wireless Sensor Network. In 2023 IEEE 21st International Conference on Industrial Informatics (INDIN). 21st International Conference on Industrial Informatics (INDIN), Lemgo, Germany. IEEE. <https://doi.org/10.1109/INDIN51400.2023.10218221>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Huang, Z., Richard, P., Cai, X., Rupp, M., & Schwarz, S. (2023). Optimal Phasors for Wideband RIS Transmissions. In 2023 IEEE Conference on Antenna Measurements and Applications (CAMA) (pp. 250–254). IEEE. <https://doi.org/10.1109/CAMA57522.2023.10352651>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Huang, Z., Prüller, R., Schwarz, S., & Rupp, M. (2023). Misfocus-Reduction in RIS-Assisted Ultra-Wideband Wireless Communication. In 2023 Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit) (pp. 108–113). IEEE. <https://doi.org/10.1109/EuCNC/6GSummit58263.2023.10188288>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kondapuram, A. R., Treytl, A., Ruotsalainen, H., & Sauter, T. (2023). Metadata Enhanced Security Watermarks for Sensor Data Protection. In APSCON 2023 SYMPOSIUM PROCEEDINGS. 2023 IEEE Applied Sensing Conference (APSCON), Bengaluru, India. IEEE. <https://doi.org/10.1109/APSCON56343.2023.10101177>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hansen, B., Avalos-Pacheco, A., Russo, M., & De Vito, R. (2023). A Variational Bayes Approach to

Factor Analysis. In *Bayesian Statistics, New Generations New Approaches?: BAYSM 2022*, Montréal, Canada, June 22–23 (pp. 15–21). Springer. https://doi.org/10.1007/978-3-031-42413-7_2

[Link](#)

101 Mathematik

Hoffmann, M., & Donev, V. (2023). Reliable estimation of investment and life-cycle costs from road projects to single road assets. In F. Biondini & D. M. Frangopol (Eds.), *Life-Cycle of Structures and Infrastructure Systems: Proceedings of the Eight International Symposium on Life-Cycle Civil Engineering (IALCCE 2023)* (pp. 3284–3291). CRC Press. <https://doi.org/10.1201/9781003323020-401>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Avalos Pacheco, A., & Roberta De Vito. (2023). Integrative Factor Models for Biomedical Applications. In *CLADAG 2023 Book of Abstract and Short Papers?: 14th Scientific Meeting of the Classification and Data Analysis Group* (pp. 50–53).

[Link](#)

101 Mathematik

Pöchgraber, G., Bougain, S., Trautner, T., Jeepjua, N., Bohaty, G., & Bleicher, F. (2023). Design of a Multi-Fidelity Methodology for logistics process planning and Digital Twin integration in the early phases of product development. In R. Teti & D. D’Addona (Eds.), *16th CIRP Conference on Intelligent Computation in Manufacturing Engineering* (pp. 86–91). Elsevier. <https://doi.org/10.1016/j.procir.2023.06.016>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Grosz, A. J., Kietreiber, T., Pfannerer-Mittas, S. H., & Rubey, M. (2023). A bijectionist’s toolkit. In *Proceedings of the 35th International Conference on “Formal Power Series and Algebraic Combinatorics”* (pp. 9–17).

[Link](#)

101 Mathematik

Gaetz, C., Pechenik, O., Pfannerer-Mittas, S. H., Jessica, S., & Swanson, J. P. (2023). An SL4-web basis from hourglass plabic graphs. In *Proceedings of the 35th International Conference on “Formal Power Series and Algebraic Combinatorics.” 35th International Conference on Formal Power Series & Algebraic Combinatorics (FPSAC 2023)*, Davis, California, United States of America (the).

[Link](#)

101 Mathematik

Ahmetaj, S., Ortiz de la Fuente, M. M., Oudshoorn, A. M., & Simkus, M. (2023). Reconciling SHACL and Ontologies: Semantics and Validation via Rewriting (Extended Abstract). In *Proceedings of the 36th International Workshop on Description Logics (DL 2023)*, co-located with the 20th International Conference on Principles of Knowledge Representation and Reasoning and the 21st International Workshop on Non-Monotonic Reasoning (KR 2023 and NMR 2023). 36th International Workshop on Description Logics (DL 2023), Rhodos, Greece. CEUR-WS.org. <https://doi.org/10.34726/5397>

[Link](#)

101 Mathematik

102 Informatik

Irmeler, A., Kanakagiri, R., Ohlmann, S. T., Solomonik, E., & Grüneis, A. (2023). Optimizing Distributed Tensor Contractions Using Node-Aware Processor Grids. In J. Cano, M. D. Dikaiakos, G. A. Papadopoulos, M. Pericàs, & R. Sakellariou (Eds.), *Euro-Par 2023: Parallel Processing?: 29th*

International Conference on Parallel and Distributed Computing, Limassol, Cyprus, August 28 – September 1, 2023, Proceedings (pp. 710–724). Springer. https://doi.org/10.1007/978-3-031-39698-4_48

[Link](#)

102 Informatik

103 Physik, Astronomie

Krasna, H., McCallum, L., & McCarthy, T. (2023). The benefits of the Australian mixed-mode program (2018 - 2023) for the celestial reference frame at S/X-band. In R. Haas, Schroth Eva, & A. Neidhardt (Eds.), Proceedings of the 26th European VLBI Group for Geodesy and Astrometry Working Meeting (pp. 96–100). <https://doi.org/10.34726/5443>

[Link](#)

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Reimer, D., Scherzer, D., & Kaufmann, H. (2023). Ownership Estimation for Tracked Hands in a Colocated VR Environment. In J.-M. Normand, M. Sugimoto, & V. Sundstedt (Eds.), ICAT-EGVE 2023 - International Conference on Artificial Reality and Telexistence and Eurographics Symposium on Virtual Environments (pp. 105–114). Eurographics Association. <https://doi.org/10.2312/egve.20231318>

[Link](#)

101 Mathematik

102 Informatik

Frohner, N., Raidl, G., & Chicano, F. (2023). Multi-Objective Policy Evolution for a Same-Day Delivery Problem with Soft Deadlines. In GECCO '23 Companion: Proceedings of the Companion Conference on Genetic and Evolutionary Computation (pp. 1941–1949). Association for Computing Machinery. <https://doi.org/10.1145/3583133.3596381>

[Link](#)

102 Informatik

Brugger, L. S., Kovács, L., Petkovic Komel, A., Rain, S., & Rawson, M. (2023). CheckMate: Automated Game-Theoretic Security Reasoning. In CCS '23: Proceedings of the 2023 ACM SIGSAC Conference on Computer and Communications Security (pp. 1407–1421). Association for Computing Machinery. <https://doi.org/10.1145/3576915.3623183>

[Link](#)

101 Mathematik

102 Informatik

Kusa, W., Mendoza, Ó. E., Samwald, M., Knoth, P., & Hanbury, A. (2023). CSMed: Bridging the Dataset Gap in Automated Citation Screening for Systematic Literature Reviews. In 37th Conference on Neural Information Processing Systems (NeurIPS 2023), Datasets and Benchmarks Track (pp. 1–17).

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Sovukluk, S., Ott, C., & Ankarali, M. M. (2023). Cascaded Model Predictive Control of Underactuated Bipedal Walking with Impact and Friction Considerations. In 2023 IEEE-RAS 22nd International Conference on Humanoid Robots (Humanoids) (pp. 1–8). Institute of Electrical and Electronics Engineers (IEEE). <https://doi.org/10.34726/5388>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

de Witt, A., Jacobs, C., Gordon, D., Bietenholz, M., Krasna, H., Johnson, M., Hunt, L., Mwiya, N., & Nickola, M. (2023). Imaging, Modelfitting, and Source Structure Corrections for the K-band (24 GHz) Celestial Reference Frame. In R. Haas, Schroth Eva, & A. Neidhardt (Eds.), Proceedings of the 26th European VLBI Group for Geodesy and Astrometry Working Meeting (pp. 40–44). <https://doi.org/>

10.34726/5441

[Link](#)

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Lackner, M., Maly, J., & Nardi, O. (2023). Free-Riding in Multi-Issue Decisions. In Proceedings of the 2023 International Conference on Autonomous Agents and Multiagent Systems (pp. 2040–2048).

[Link](#)

101 Mathematik

102 Informatik

Maly, J., Rey, S., Endriss, U., & Lackner, M. (2023). Fairness in Participatory Budgeting via Equality of Resources. In Proceedings of the 2023 International Conference on Autonomous Agents and Multiagent Systems (pp. 2031–2039).

[Link](#)

101 Mathematik

102 Informatik

Kaindl, H. (2023). Automated Web GUI Generation from High-Level Interaction Design with Discourse Models. In I. Garrigós, J. M. Murillo Rodríguez, & M. Wimmer (Eds.), Web Engineering?: 23rd International Conference, ICWE 2023, Alicante, Spain, June 6–9, 2023, Proceedings (pp. 413–417). Springer. https://doi.org/10.1007/978-3-031-34444-2_37

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Mannion, M., & Kaindl, H. (2023). Determining the Relative Importance of Features for Influencing Software Product Similarity Matching. In 2023 IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC) (pp. 1638–1645). IEEE. <https://doi.org/10.1109/COMPSAC57700.2023.00253>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Preinstorfer, P., Michele W.T. Mak, & Lees, J. M. (2023). Tailored Structures with textile-reinforced concrete. In K. Harries, D. Cardoso, & F. Silva (Eds.), CICE 2023. Single Volume Proceedings. 11th International Conference on Fiber-Reinforced Polymer (FRP) Composites in Civil Engineering. Zenodo. <https://doi.org/10.5281/zenodo.8108934>

[Link](#)

201 Bauwesen

Hader, T., Kaufmann, D., & Kovacs, L. (2023). SMT Solving over Finite Field Arithmetic. In R. Piscac & A. Voronkov (Eds.), Proceedings of 24th International Conference on Logic for Programming, Artificial Intelligence and Reasoning (pp. 238–256). <https://doi.org/10.29007/4n6w>

[Link](#)

101 Mathematik

102 Informatik

Biffel, S., Meixner, K., Hoffmann, D., Winkler, D., & Lüder, A. (2023). Towards Test-Driven Performance Validation of a Flexible Cyber-Physical Production System. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–4). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275573>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Frohner, N., Gmys, J., Melab, N., Raidl, G., & Talbi, E.-G. (2023). Parallel Beam Search for Combinatorial Optimization. In The 51st International Conference on Parallel Processing. Workshop

Proceedings. 51st International Conference on Parallel Processing (ICPP '22), Bordeaux, France. Association for Computing Machinery. <https://doi.org/10.1145/3547276.3548633>

[Link](#)

101 Mathematik

102 Informatik

Fischer, M., Rasel, T., Ebner, B., Kröger, F., & Heinz, S. (2023). Investigations of Degraded Adhesion Conditions and Interrelated Methods for Improving Braking Performance using the Advanced TrainLab (aTL). In EuroBrake 2023. EuroBrake 2023, Barcelona, Spain. FISITA.

[Link](#)

203 Maschinenbau

Medeiros, M., Doujak, E., Haller, F. J., Königswieser, C., & Schmidt, J. (2023). Going with the flow: using immersive analytics to support lifetime predictions of hydropower turbines. In T. Huang, M. Sra, F. Argelaguet, P. Lopes, & M. D. Barrera Machuca (Eds.), Proceedings SUI 2023 ACM?: Symposium on Spatial User Interaction. Association for Computing Machinery. <https://doi.org/10.1145/3607822.3618009>

[Link](#)

101 Mathematik

102 Informatik

Kolisnyk, M., Piskachov, O., & Piskachova, I. (2023). Maneuverability of the Road Train in the System Smart City. In 2023 27th International Conference on Circuits, Systems, Communications and Computers (CSCC) (pp. 139–143). IEEE. <https://doi.org/10.1109/CSCC58962.2023.00029>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Giparakis, M., Iseri, S., Schrenk, W., Schwarz, B., Strasser, G., & Andrews, A. M. (2023). InAs/AlSb Quantum Cascade Detectors Strain-Balanced to GaSb Substrates. In 2023 IEEE Research and Applications of Photonics in Defense Conference (RAPID). Proceedings. IEEE Research and Applications of Photonics in Defense Conference (RAPID) 2023, Miramar Beach, FL, United States of America (the). IEEE. <https://doi.org/10.34726/5413>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kichaieva, O. (2023). Brick piers resistance at central and non-central loading. In S. Panchenko, G. Vatulia, A. Plugin, & D. Plugin (Eds.), 9th International Scientific Conference “Reliability and Durability of Railway Transport Engineering Structures and Buildings” (TransBud 2021) (pp. 030017-1-030017–7). AIP Publishing. <https://doi.org/10.1063/5.0120315>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ganapathy, A. P., Toth, F., & Hassanpour Guilvaiee, H. (2023). A mechanic-acoustic coupling condition, including viscous and thermal boundary layer effects. In Proceedings of Forum Acusticum 2023. 10th Convention of EAA (pp. 4197–4201). European Acoustics Association. <https://doi.org/10.61782/fa.2023.0949>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Hassanpour Guilvaiee, H., & Toth, F. (2023). Non-conforming interface formulations for coupling viscous compressible fluids and elastic solids. In Proceedings of Forum Acusticum 2023. 10th Convention of EAA (pp. 4185–4188). European Acoustics Association. <https://doi.org/10.61782/fa.2023.1250>

[Link](#)

103 Physik, Astronomie

202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau

Redlein, A., Barettschneider, C., & Thrainer, L. (2023). ESG monitoring and optimisation solutions and their return on investment: results of several case studies. In CIB W070 Conference on Facility Management and Maintenance 2023. CIB W070 Conference on Facility Management and Maintenance 2023, Trondheim, Norway. <https://doi.org/10.1088/1755-1315/1176/1/012029>

[Link](#)

102 Informatik
211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Pluska, A., & Zuleger, F. (2023). Embedding Intuitionistic into Classical Logic. In R. Piskac & A. Voronkov (Eds.), Proceedings of 24th International Conference on Logic for Programming, Artificial Intelligence and Reasoning (pp. 329–349). <https://doi.org/10.29007/b294>

[Link](#)

101 Mathematik
102 Informatik

Pappe Joseph, Pfannerer-Mittas, S. H., Schilling, A., & Simone, M. C. (2023). Promotion for fans of Dyck paths. In Proceedings of the 35th Conference on Formal Power Series and Algebraic Combinatorics. 35th Conference on Formal Power Series and Algebraic Combinatorics (FPSAC'23), Davis, United States of America (the).

[Link](#)

101 Mathematik

Massimi, C., Aberle, O., Alcayne, V., Altieri, S., Amaducci, S., Andrzejewski, J., Babiano Suárez, V., Bacak, M., Balibrea, J., Beltrami, C., Bennett, S., Bernardes, A.-P., Berthoumieux, E., Beyer, K. R., Boromiza, M., Bosnar, D., caamano, manuel, Calvino, F., Calviani, M., ... Zugec, P. (2023). Nuclear astrophysics at n_TOF: focus on neutron sources in stars. In N. Nicolis, C. Papachristodoulou, N. Patronis, & K. Stamoulis (Eds.), Proceedings of the 30th Hellenic Symposium on Nuclear Physics and Applications (pp. 8–12). Hellenic Nuclear Physics Society. <https://doi.org/10.12681/hnpsanp.5092>

[Link](#)

103 Physik, Astronomie

Wertjanj, D., Kern, T., Csencsics, E., & Schitter, G. (2023). Residual error correction for reducing the uncertainty of a sample-tracking robotic 3D measurement system. In H. Ishii, Y. Ebihara, J. Imura, & M. Yamakita (Eds.), 22nd IFAC World Congress (pp. 4418–4423). Elsevier. <https://doi.org/10.1016/j.ifacol.2023.10.1829>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bittner, M., Hauer, D., Stippel, C., Scheucher, K., Sudhoff, R., & Jantsch, A. (2023). Forecasting Critical Overloads based on Heterogeneous Smart Grid Simulation. In 2023 International Conference on Machine Learning and Applications (ICMLA) (pp. 339–346).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hartl-Nesic, C., Pritzi, E., & Kugi, A. (2023). Path-Following Control with Path and Orientation Snap-In. In 2023 proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (pp. 2316–2323). IEEE. <https://doi.org/10.1109/IROS55552.2023.10341392>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

El-Ebshihy, A., Fink, T., Gonzalez-Saez, G., Galuščáková, P., Piroi, F., Iommi, D., Goeuriot, L., &

Mulhem, P. (2023). Predicting Retrieval Performance Changes in Evolving Evaluation Environments. In A. Arampatzis, E. Kanoulas, T. Tsikrika, S. Vrochidis, A. Giachanou, D. Li, M. Aliannejadi, M. Vlachos, G. Faggioli, & N. Ferro (Eds.), *Experimental IR Meets Multilinguality, Multimodality, and Interaction?: 14th International Conference of the CLEF Association, CLEF 2023, Thessaloniki, Greece, September 18–21, 2023, Proceedings* (pp. 21–33). Springer. https://doi.org/10.1007/978-3-031-42448-9_3

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Ali, S. J., Guizzardi, G., & Bork, D. (2023). Enabling Representation Learning in Ontology-Driven Conceptual Modeling Using Graph Neural Networks. In M. Indulska, I. Reinhartz-Berger, C. Cetina, & O. Pastor (Eds.), *Advanced Information Systems Engineering?: 35th International Conference, CAiSE 2023, Zaragoza, Spain, June 12–16, 2023, Proceedings* (pp. 278–294). Springer. https://doi.org/10.1007/978-3-031-34560-9_17

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Treml, L. M. (2023). 3D Hybrid Cellular Automata for Cardiac Electrophysiology: A Concept Study. In J. Pang & J. Niehren (Eds.), *Computational Methods in Systems Biology?: 21st International Conference, CMSB 2023, Luxembourg City, Luxembourg, September 13–15, 2023, Proceedings* (pp. 220–235). Springer. https://doi.org/10.1007/978-3-031-42697-1_15

[Link](#)

101 Mathematik

102 Informatik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Ali, S. J., Laranjo, J. M., & Bork, D. (23 C.E.). A Generic and Customizable Genetic Algorithms-Based Conceptual Model Modularization Framework. In H. Proper, L. Pufahl, D. Karastoyanova, M. van Sinderen, & J. Moreira (Eds.), *Enterprise Design, Operations, and Computing?: 27th International Conference, EDOC 2023, Groningen, The Netherlands, October 30 – November 3, 2023, Proceedings* (pp. 39–57). Springer. https://doi.org/10.1007/978-3-031-46587-1_3

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Glaser, P.-L., Ali, S. J., Sallinger, E., & Bork, D. (2023). Model-Based Construction of Enterprise Architecture Knowledge Graphs (extended abstract). In S. Hacks & J. Jung (Eds.), *Proceedings of the 13th International Workshop on Enterprise Modeling and Information Systems Architectures {(EMISA} 2023)*. CEUR. <http://hdl.handle.net/20.500.12708/191774>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Sarioglu, A., Metin, H., & Bork, D. (2023). How Inclusive Is Conceptual Modeling? A Systematic Review of Literature and Tools for Disability-Aware Conceptual Modeling. In J. P. A. Almeida, J. Borbinha, G. Guizzardi, S. Link, & J. Zdravkovic (Eds.), *Conceptual Modeling?: 42nd International Conference, ER 2023, Lisbon, Portugal, November 6–9, 2023, Proceedings* (pp. 65–83). Springer. https://doi.org/10.1007/978-3-031-47262-6_4

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Glaser, P.-L., Sallinger, E., & Bork, D. (2023). EA ModelSet – A FAIR Dataset for Machine Learning in Enterprise Modeling. In J. P. A. Almeida, M. Kaczmarek-Heß, A. Koschmider, & H. Proper (Eds.), *The*

Practice of Enterprise Modeling?: 16th IFIP Working Conference, PoEM 2023, Vienna, Austria, November 28 – December 1, 2023, Proceedings (pp. 19–36). Springer. https://doi.org/10.1007/978-3-031-48583-1_2

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Bork, D., Langer, P., & Ortmayr, T. (2023). A Vision for Flexible GLSP-Based Web Modeling Tools. In J. P. A. Almeida, M. Kaczmarek-Heß, A. Koschmider, & H. Proper (Eds.), *The Practice of Enterprise Modeling?: 16th IFIP Working Conference, PoEM 2023, Vienna, Austria, November 28 – December 1, 2023, Proceedings* (pp. 109–124). Springer. https://doi.org/10.1007/978-3-031-48583-1_7

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Metin, H., & Bork, D. (2023). Introducing BIGUML: A Flexible Open-Source GLSP-Based Web Modeling Tool for UML. In *2023 ACM/IEEE International Conference on Model Driven Engineering Languages and Systems Companion (MODELS-C)* (pp. 40–44). IEEE. <https://doi.org/10.1109/MODELS-C59198.2023.00016>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Metin, H., & Bork, D. (2023). On Developing and Operating GLSP-based Web Modeling Tools: Lessons Learned from BIGUML. In *2023 ACM/IEEE 26th International Conference on Model Driven Engineering Languages and Systems (MODELS)* (pp. 129–139). IEEE. <https://doi.org/10.1109/MODELS58315.2023.00031>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Burgueño, L., Bork, D., Galasso-Carbonnel, J., & Wimmer, M. (2023). 5th Workshop on Artificial Intelligence and Model-Driven Engineering (MDE 2023). In *2023 ACM/IEEE International Conference on Model Driven Engineering Languages and Systems Companion (MODELS-C)* (pp. 559–561). IEEE. <https://doi.org/10.1109/MODELS-C59198.2023.00093>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Bhati, A. S., Pohle, E., Abidin, A., Andreeva, E., & Preneel, B. (2023). Let's Go Eevee! A Friendly and Suitable Family of AEAD Modes for IoT-to-Cloud Secure Computation. In *CCS '23: Proceedings of the 2023 ACM SIGSAC Conference on Computer and Communications Security* (pp. 2546–2560). Association for Computing Machinery. <https://doi.org/10.1145/3576915.3623091>

[Link](#)

101 Mathematik

102 Informatik

Soklic, J., & Arthaber, H. (2023). Comparison of Methods for Computing Spherical Wave Coefficients from Truncated Measurements. In *2023 IEEE Conference on Antenna Measurements and Applications (CAMA)* (pp. 790–794). IEEE. <https://doi.org/10.1109/CAMA57522.2023.10352741>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ali, S. J., Gavric, A., Proper, H., & Bork, D. (2023). Encoding Conceptual Models for Machine Learning: A Systematic Review. In *2023 ACM/IEEE International Conference on Model Driven Engineering*

Languages and Systems Companion (MODELS-C) (pp. 562–570). IEEE. <https://doi.org/10.1109/MODELS-C59198.2023.00094>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

David, I., & Bork, D. (2023). Towards a Taxonomy of Digital Twin Evolution for Technical Sustainability. In 2023 ACM/IEEE International Conference on Model Driven Engineering Languages and Systems Companion (MODELS-C) (pp. 934–938). IEEE. <https://doi.org/10.1109/MODELS-C59198.2023.00147>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Bork, D., Papapetrou, P., & Zdravkovic, J. (2023). Enterprise Modeling for Machine Learning: Case-Based Analysis and Initial Framework Proposal. In S. Nurcan, A. L. Opdahl, H. Mouratidis, & A. Tsohou (Eds.), Research Challenges in Information Science: Information Science and the Connected World?: 17th International Conference, RCIS 2023, Corfu, Greece, May 23–26, 2023, Proceedings (pp. 518–525). Springer. https://doi.org/10.1007/978-3-031-33080-3_33

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Kazakov, D., Letsou, T. P., Piccardo, M., Beiser, M., Columbo, L., Brambilla, M., Prati, F., Lugiato, L. A., Pushkarsky M, Caffey, D., Day, T., Schwarz, B., & Capasso, F. (2023). Coherently driven active resonator frequency combs in the mid-infrared. In CLEO 2023 (p. FW3B.4). Optica Publishing Group. https://doi.org/10.1364/CLEO_FS.2023.FW3B.4

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hinkov, B., David, M., Pilat, F., Schwaighofer, A., Marschick, G., Arigliani, E., Souza, P. L., Doganlar Ismail C., Gsodam, X., Dabrowska, A., Wacht, D., Sistani, M., Nazzari, D., Disnan, D., Detz, H., Andrews, A. M., Schmid, U., Weber, W. M., Schwarz, B., ... Strasser, G. (2023). On-chip liquid sensing using mid-IR plasmonics. In Optica Sensing Congress 2023 (AIS, FTS, HISE, Sensors, ES) (p. EW3E.3). Optica Publishing Group. <https://doi.org/10.1364/ES.2023.EW3E.3>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Heinzl, R., Nissl, M., & Sallinger, E. (2023). Towards Efficient Annotation Databases. In B. Kimelfeld, M. V. Martinez, & R. Angles (Eds.), Proceedings of the 15th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW 2023). CEUR-WS.org. <https://doi.org/10.34726/5427>

[Link](#)

101 Mathematik

102 Informatik

Pavlovic, A., & Sallinger, E. (2023). Building Bridges: Knowledge Graph Embeddings Respecting Logical Rules (short paper). In B. Kimelfeld, M. V. Martinez, & R. Angles (Eds.), Proceedings of the 15th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW 2023).

[Link](#)

101 Mathematik

102 Informatik

Brettl, A. E. (2023). Sozialpolitische Maßnahmen und architektonische Interventionen zur Bekämpfung von Tuberkulose im Burgenland. In G. Polster (Ed.), Epidemien und Pandemien im pannonischen Raum?: Tagungsband der 41. Schlaininger Gespräche 13. bis 14. September 2022 (pp. 203–215). Amt der Burgenländischen Landesregierung, Abteilung 7 - Hauptreferat Sammlungen des Landes.

[Link](#)

201 Bauwesen
601 Geschichte, Archäologie
604 Kunstwissenschaften

Pavlovic, A., & Sallinger, E. (2023). ExpressivE: A Spatio-Functional Embedding For Knowledge Graph Completion. In The Eleventh International Conference on Learning Representations (ICLR 2023) (pp. 1–45). OpenReview.net. <https://doi.org/10.34726/5422>

[Link](#)

101 Mathematik
102 Informatik

Hofer, S., & Lederer, J. (2023). Alterung und Nasssiebung als Strategien zur Verbesserung der Produktqualität einer industriell hergestellten Gesteinskörnung aus Müllverbrennungs-Bettaschen als Zuschlagsstoff für Beton. In A. Bockreis, M. Faulstich, S. Flamme, M. Kranert, M. Mocker, M. Nelles, P. Quicker, G. Rettenberger, & V. S. Rotter (Eds.), Tagungsband?: 12. Wissenschaftskongress Abfall- und Ressourcenwirtschaft am 9. und 10. März 2023 an der Technischen Universität Hamburg (pp. 241–245). innsbruck university press (iup).

[Link](#)

104 Chemie
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Baldazzi, T., Bellomarini, L., & Sallinger, E. (2023). Reasoning over Financial Scenarios with the Vadalog System. In Proceedings 26th International Conference on Extending Database Technology (EDBT 2023) (pp. 782–791). OpenProceedings.org. <https://doi.org/10.48786/edbt.2023.66>

[Link](#)

101 Mathematik
102 Informatik

Bellomarini, L., Gentili, A., Laurenza, E., & Sallinger, E. (2023). Model-Independent Design of Knowledge Graphs. In Proceedings of the 15th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW 2023). AMW 2023 - 15th Alberto Mendelzon International Workshop on Foundations of Data Management, Santiago de Chile, Chile. CEUR-WS.org. <https://doi.org/10.34726/5426>

[Link](#)

101 Mathematik
102 Informatik

Bhosale, P., Kastner, W., & Sauter, T. (2023). AutomationML use for Safety and Security Risk Assessment in Industrial Control Systems. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–4). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275476>

[Link](#)

101 Mathematik
102 Informatik
202 Elektrotechnik, Elektronik, Informationstechnik

Hofer, S., Mühl, J., & Lederer, J. (2023). Chemical Analysis of the Output-flows of an IBA Processing Plant in Austria- The Fate of Pb and Cd. In Proceedings SARDINIA 2023. 19th International Symposium on Waste Management, Resource Recovery and Sustainable Landfilling (SARDINIA 2023), Santa Margherita Di Pula, Cagliari, Italy. CISA Publisher.

[Link](#)

104 Chemie
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gallego Amores, S., Hillberg, E., Iliceto, A., Mataczynska, E., & Ilo, A. (2023). How can flexibility

support power grid resilience through the next level of flexibility and alternative grid developments. In CIRE2023 Proceedings (pp. 1–5). <https://doi.org/10.1049/icp.2023.1039>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Rebola Pardo, A. (2023). Even Shorter Proofs Without New Variables. In M. Mahajan & F. Slivovsky (Eds.), 26th International Conference on Theory and Applications of Satisfiability Testing (pp. 22:1-22:20). Schloss Dagstuhl - Leibniz-Zentrum für Informatik. <https://doi.org/10.4230/LIPICS.SAT.2023.22>

[Link](#)

102 Informatik

Deimel, R., & Kugi, A. (2023). An Inflatable Eversible Finger Pad for Variable-Stiffness Grasping with Parallel-Jaw Grippers. In Proceedings of 2023 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (pp. 4533–4539). IEEE. <https://doi.org/10.1109/IROS55552.2023.10341676>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Dorazil, J., Fleury, B. H., & Hlawatsch, F. (2023). Bayesian Methods for Optical Flow Estimation Using a Variational Approximation, with Applications to Ultrasound. In Proceedings of the 2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) (pp. 1–5). Institute of Electrical and Electronics Engineers (IEEE). <https://doi.org/10.34726/5369>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Franz, M. (2023). Entwicklung des Landverbrauchs von Photovoltaik–Freiflächenanlagen in Europa. In IEWT2023 - Die Zukunft der Energiemärkte in Europa vor dem Hintergrund neuer geopolitischer Ungleichgewichte. Programme. 13. Internationale Energiewirtschaftstagung an der TU Wien (IEWT 2023), Wien, Austria. <https://doi.org/10.34726/5492>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Das, H., Sæbø, B. K., Pettersen, K. Y., & Ott, C. (2023). Hardware-in-the-Loop Simulation of Vehicle-Manipulator Systems for Physical Interaction Tasks. In 2023 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (pp. 4390–4396). IEEE. <https://doi.org/10.34726/5437>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Jogl, F., Thiessen, M., & Gärtner, T. (2023). Expressivity-Preserving GNN Simulation. In Advances in Neural Information Processing Systems. 37th Annual Conference on Neural Information Processing Systems (NeurIPS 2023), New Orleans, United States of America (the).

[Link](#)

102 Informatik

Illyés, V., Thanheiser, S., Schwarzmayr, P., David, P.-L., Guerif, X., Werner, A., & Haider, M. (2023). sCO2 test facility at TU Wien: design, operation and results. In 5th European sCO2 Conference for Energy Systems?: March 14-16, 2023, Prague, Czech Republic (pp. 22–37). DuEPublico: Duisburg-Essen Publications online. <https://doi.org/10.17185/duepublico/77261>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Pantano, M., Curioni, A., Regulin, D., Kamps, T., & Lee, D. (2023). Effects of Robotic Expertise and Task

Knowledge on Physical Ergonomics and Joint Efficiency in a Human-Robot Collaboration Task. In 2023 IEEE-RAS 22nd International Conference on Humanoid Robots (Humanoids). 2023 IEEE-RAS 22nd International Conference on Humanoid Robots (Humanoids), Austin, United States of America (the). IEEE. <https://doi.org/10.1109/Humanoids57100.2023.10375163>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Michel, Y., Saveriano, M., Abu-Dakka, F. J., & Lee, D. (2023). Orientation Control with Variable Stiffness Dynamical Systems. In 2023 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (pp. 4457–4463). IEEE. <https://doi.org/10.1109/IROS55552.2023.10342531>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Stoiber, M., Elsayed, M., Reichert, A. E., Steidle, F., Lee, D., & Triebel, R. (2023). Fusing Visual Appearance and Geometry for Multi-Modality 6DoF Object Tracking. In 2023 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (pp. 1170–1177). IEEE. <https://doi.org/10.1109/IROS55552.2023.10341961>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Illeditsch, M., Preh, A., & Sausgruber, J. T. (2023). The Correct Way to use the Hoek-Brown Strength Criterion for Slope Stability Analysis on the Example of Vals (Tyrol/Austria). In W. Schubert & A. Kluckner (Eds.), *Challenges in Rock Mechanics & Rock Engineering?: 15th International ISRM Congress & 72nd Geomechanics Colloquium* (pp. 2868–2873). Austrian Society for Geomechanics.

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sebestyen, A., Özdenizci, O., Hirschberg, U., & Legenstein, R. (2023). Generating Conceptual Architectural 3D Geometries with Denoising Diffusion Models. In W. Dokonal, U. Hirschberg, & G. Wurzer (Eds.), *Proceedings of the 41st International Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe) [Volume 2]* (pp. 451–460). eCAADe. <https://doi.org/10.52842/conf.ecaade.2023.2.451>

[Link](#)

201 Bauwesen

Alinaghi, N., Kwok, T. C. K., Kiefer, P., & Giannopoulos, I. (2023). Do You Need Instructions Again? Predicting Wayfinding Instruction Demand. In R. Beecham, J. A. Long, D. Smith, Z. Qunshan, & S. Wise (Eds.), *12th International Conference on Geographic Information Science (GIScience 2023)* (pp. 1:1-1:16). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.GIScience.2023.1>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

De Colnet, A. (2023). Separating Incremental and Non-Incremental Bottom-Up Compilation. In M. Mahajan & F. Slivovsky (Eds.), *26th International Conference on Theory and Applications of Satisfiability Testing (SAT 2023)*. Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.SAT.2023.7>

[Link](#)

101 Mathematik

102 Informatik

de Colnet, A., & Marquis, P. (2023). On Translations between ML Models for XAI Purposes. In Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (IJCAI-23) (pp. 3158–3166). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/352>

[Link](#)

101 Mathematik

102 Informatik

Ceylan, E., Chen, J., & Roy, S. (2023). Optimal Seat Arrangement: What Are the Hard and Easy Cases? In E. Elkind (Ed.), Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (pp. 2563–2571). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/285>

[Link](#)

101 Mathematik

102 Informatik

Bruckner, H., Ilo, A., Olofsgard, M., & Adamcova, M. (2023). Viable LINK-based Energy Community: Increasing Flexibility and Resilience of Electricity Infrastructure. In CIRE2023 Proceedings. 27th International Conference on Electricity Distribution (CIRE2023), Rome, Italy. <https://doi.org/10.1049/icp.2023.0303>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ademollo, A., Ilo, A., & Carcasci, C. (2023). End-use sector coupling to turn customer plants into prosumers of electricity and gas. In CIRE2023 Proceedings. 27th International Conference on Electricity Distribution (CIRE2023), Rome, Italy. <https://doi.org/10.1049/icp.2023.0308>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kühteubl, F., Renner, E., Adler, L., Fischl, L., German, X., Guidoboni, G., Holzfeind, K., Kurfürst, C., Maderböck, C., Pivi, M., Plassard, F., Prokopovich, D., Rizzoglio, V., Strasik, I., Schmitzer, C., Wastl, A., Arrutia Sota, P. A., & Fraser, M. A. (2023). Investigating Alternative Extraction Methods at MedAustron. In Proceedings. 14th International Particle Accelerator Conference (IPAC'23) (pp. 2419–2422). JACoW Publishing. <https://doi.org/10.18429/JACoW-IPAC2023-TUPM091>

[Link](#)

103 Physik, Astronomie

Hadamek, T., Jorstad, N. P., Goes, W., Selberherr, S., & Sverdlov, V. (2023). Study of Self-Heating and its Effects in SOT-STT-MRAM. In 2023 International Conference on Simulation of Semiconductor Processes and Devices (SISPAD) (pp. 337–340). IEEE. <https://doi.org/10.23919/SISPAD57422.2023.10319549>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Reiter, T., Toifl, A., Hössinger, A., & Filipovic, L. (2023). Modeling Oxide Regrowth During Selective Etching in Vertical 3D NAND Structures. In 2023 International Conference on Simulation of Semiconductor Processes and Devices (SISPAD) (pp. 85–88). IEEE. <https://doi.org/10.23919/SISPAD57422.2023.10319506>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Chen, J., Layegh Khavidaki, S. N., Haydn, S. V., Simola, S., & Sorge, M. (2023). Game Implementation: What Are the Obstructions? In Proceedings of the 37th AAI Conference on Artificial Intelligence (pp. 5557–5564). AAI Press. <https://doi.org/10.34726/5365>

[Link](#)

101 Mathematik
102 Informatik

Reiter, T., & Filipovic, L. (2023). Fast 3D Flux Calculation using Monte Carlo Ray Tracing on GPUs. In S. Y. Yurish (Ed.), *Proceedings of the International Conference on Microelectronic Devices and Technologies (MicDAT '2023)* (pp. 67–72). <https://doi.org/10.13140/RG.2.2.13265.71524>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Chen, J., Hatschka, C., & Simola, S. (2023). Efficient Algorithms for Monroe and CC Rules in Multi-Winner Elections with (Nearly) Structured Preferences. In *ECAI 2023?: 26th European Conference on Artificial Intelligence, September 30–October 4, 2023, Kraków, Poland. Including 12th Conference on Prestigious Applications of Intelligent Systems (PAIS 2023)*. *Proceedings* (pp. 397–404). IOS Press. <https://doi.org/10.3233/FAIA230296>

[Link](#)

101 Mathematik
102 Informatik

Chen, J., Csáji, G., Roy, S., & Simola, S. H. E. (2023). Hedonic Games With Friends, Enemies, and Neutrals: Resolving Open Questions and Fine-Grained Complexity. In *Proceedings of the 2023 International Conference on Autonomous Agents and Multiagent Systems* (pp. 251–259).

[Link](#)

101 Mathematik
102 Informatik

Filipovic, L., Bobinac, J., Piso, J., & Reiter, T. (2023). Physics-Informed Compact Model for SF6/O2 Plasma Etching. In *2023 International Conference on Simulation of Semiconductor Processes and Devices (SISPAD)* (pp. 73–76). IEEE. <https://doi.org/10.23919/SISPAD57422.2023.10319479>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Leroch, S., Stella, R., Hössinger, A., & Filipovic, L. (2023). Molecular Dynamics Study of Al Implantation in 4H-SiC. In *2023 International Conference on Simulation of Semiconductor Processes and Devices (SISPAD)* (pp. 185–188). IEEE. <https://doi.org/10.23919/SISPAD57422.2023.10319554>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kollegger, J., Untermarzonner, F., & Rath, M. (2023). Das LT-Brückenbauverfahren für die schnelle und materialsparende Errichtung von Brücken. In *27. Münchener Massivbau Seminar* (pp. 65–73).

Förderverein Massivbau der TU München e.V. <https://doi.org/10.14459/2023.1724792.mbs27.06>

[Link](#)

201 Bauwesen

Darmanovic, F., Hanbury, A., & Zlabinger, M. (2023). SCI-3000: A Dataset for Figure, Table and Caption Extraction from Scientific PDFs. In G. Fink, R. Jain, K. Kise, & R. Zanibbi (Eds.), *Document Analysis and Recognition - ICDAR 2023?: 17th International Conference, San José, CA, USA, August 21–26, 2023, Proceedings, Part I* (pp. 234–251). Springer Cham. https://doi.org/10.1007/978-3-031-41676-7_14

[Link](#)

102 Informatik

Banyasz, D., Hofstätter, S., & Hanbury, A. (2023). Search in Archival Facsimile Documents for Digital History. In *2023 IEEE 19th International Conference on e-Science (e-Science)*. *IEEE 19th International Conference on eScience 2023, Limassol, Cyprus*. IEEE. <https://doi.org/10.1109/e-Science58273.2023.10254826>

[Link](#)

102 Informatik

Pöchgraber, G., Bougain, S., Trautner, T., Jeepjua, N., & Bleicher, F. (2023). Digital Twin Preparation for the Prototyping Phase, a Use Case. In F. G. Galizia & M. Bortolini (Eds.), *Production Processes and Product Evolution in the Age of Disruption. Proceedings of the 9th Changeable, Agile, Reconfigurable and Virtual Production Conference (CARV2023) and the 11th World Mass Customization & Personalization Conference (MCPC2023)*, Bologna, Italy, June 2023 (pp. 735–742). Springer. <https://doi.org/10.34726/5490>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Wicaksana Putra, R. V., & Shafique, M. (2023). Mantis: Enabling Energy-Efficient Autonomous Mobile Agents with Spiking Neural Networks. In *2023 9th International Conference on Automation, Robotics and Applications (ICARA)* (pp. 197–201). IEEE. <https://doi.org/10.1109/ICARA56516.2023.10125781>

[Link](#)

102 Informatik

Basso, L., Nalis-Neuner, I., & Neidhardt, J. (2023). News Diversity and Well-Being – An Experimental Exploration Of Diversity-Aware Recommender Systems. In *FAccTRec Program. 6th FAccTRec Workshop on Responsible Recommendation at RecSys 2023*, Singapur, Singapur.

[Link](#)

102 Informatik

501 Psychologie

Marchisio, A., Dura, D., Capra, M., Martina, M., Masera, G., & Shafique, M. (2023). SwiftTron: An Efficient Hardware Accelerator for Quantized Transformers. In *2023 International Joint Conference on Neural Networks (IJCNN). 2023 International Joint Conference on Neural Networks (IJCNN)*, Gold Coast, Australia. IEEE. <https://doi.org/10.1109/IJCNN54540.2023.10191521>

[Link](#)

102 Informatik

Marchisio, A., De Marco, A., Colucci, A., Martina, M., & Shafique, M. (2023). RobCaps: Evaluating the Robustness of Capsule Networks against Affine Transformations and Adversarial Attacks. In *2023 International Joint Conference on Neural Networks (IJCNN). 2023 International Joint Conference on Neural Networks (IJCNN)*, Gold Coast, Australia. IEEE. <https://doi.org/10.1109/IJCNN54540.2023.10190994>

[Link](#)

102 Informatik

Ekaputra, F. J., Llugiqi, M., Sabou, M., Ekelhart, A., Paulheim, H., Breit, A., Revenko, A., Waltersdorfer, L., Farfar, K. E., & Auer, S. (2023). Describing and Organizing Semantic Web and Machine Learning Systems in the SWeMLS-KG. In C. Pesquita, E. Jimenez-Ruiz, J. McCusker, D. Faria, M. Dragoni, A. Dimou, R. Troncy, & S. Hertling (Eds.), *The Semantic Web?: 20th International Conference, ESWC 2023, Hersonissos, Crete, Greece, May 28–June 1, 2023, Proceedings* (pp. 372–389). Springer Cham. https://doi.org/10.1007/978-3-031-33455-9_22

[Link](#)

102 Informatik

Ostrowski, E., Prabakaran, B. S., & Shafique, M. (2023). SILOP: An Automated Framework for Semantic Segmentation Using Image Labels Based on Object Perimeters. In *2023 International Joint Conference on Neural Networks (IJCNN)* (pp. 1–9). IEEE. <https://doi.org/10.1109/IJCNN54540.2023.10191935>

[Link](#)

102 Informatik

Ahmadi, M. M., Alrahis, L., Sinanoglu, O., & Shafique, M. (2023). ShapeShifter: Protecting FPGAs from Side-Channel Attacks with Isofunctional Heterogeneous Modules. In 2023 IEEE 29th International Symposium on On-Line Testing and Robust System Design (IOLTS). 2023 IEEE 29th International Symposium on On-Line Testing and Robust System Design (IOLTS), Kreta, Greece. IEEE. <https://doi.org/10.1109/IOLTS59296.2023.10224883>

[Link](#)

102 Informatik

Ahmadi, M. M., Alrahis, L., Sinanoglu, O., & Shafique, M. (2023). FPGA-Patch: Mitigating Remote Side-Channel Attacks on FPGAs using Dynamic Patch Generation. In 2023 IEEE/ACM International Symposium on Low Power Electronics and Design (ISLPED). 2023 IEEE/ACM International Symposium on Low Power Electronics and Design (ISLPED), Wien, Austria. IEEE. <https://doi.org/10.1109/ISLPED58423.2023.10244526>

[Link](#)

102 Informatik

Prabakaran, B. S., Ostrowski, E., & Shafique, M. (2023). ReFit: A Framework for Refinement of Weakly Supervised Semantic Segmentation Using Object Border Fitting for Medical Images. In G. Bebis, G. Ghiasi, Y. Fang, A. Sharf, Y. Dong, C. Weaver, Z. Leo, J. J. LaViola, & L. Kohli (Eds.), *Advances in Visual Computing?: 18th International Symposium, ISVC 2023, Lake Tahoe, NV, USA, October 16–18, 2023. Proceedings, Part I* (pp. 44–55). Springer. https://doi.org/10.1007/978-3-031-47969-4_4

[Link](#)

102 Informatik

Ostrowski, E., & Shafique, M. (2023). ISLE: A Framework for Image Level Semantic Segmentation Ensemble. In G. Bebis, G. Ghiasi, Y. Fang, A. Sharf, Y. Dong, C. Weaver, Z. Leo, J. J. LaViola Jr., & L. Kohli (Eds.), *Advances in Visual Computing?: 18th International Symposium, ISVC 2023, Lake Tahoe, NV, USA, October 16–18, 2023. Proceedings, Part I* (pp. 41–52). Springer. https://doi.org/10.1007/978-3-031-47966-3_4

[Link](#)

102 Informatik

Prabakaran, B. S., Mrazek, V., Vasicek, Z., Sekanina, L., & Shafique, M. (2023). Xel-FPGAs: An End-to-End Automated Exploration Framework for Approximate Accelerators in FPGA-Based Systems. In 2023 IEEE/ACM International Conference on Computer Aided Design (ICCAD). 2023 IEEE/ACM International Conference on Computer Aided Design (ICCAD), San Francisco, United States of America (the). IEEE. <https://doi.org/10.1109/ICCAD57390.2023.10323678>

[Link](#)

102 Informatik

Ghafourian, Y., Hanbury, A., & Knoth, P. (2023). Readability Measures as Predictors of Understandability and Engagement in Searching to Learn. In O. Alonso, H. Cousijn, G. Silvello, M. Marrero, C. T. Lopes, & S. MARCHESIN (Eds.), *Linking Theory and Practice of Digital Libraries: 27th International Conference on Theory and Practice of Digital Libraries, TPD L 2023, Zadar, Croatia, September 26–29, 2023, Proceedings* (pp. 173–181). Springer. https://doi.org/10.1007/978-3-031-43849-3_15

[Link](#)

102 Informatik

Ghafourian, Y., Hanbury, A., & Knoth, P. (2023). Ranking for Learning: Studying Users' Perceptions of Relevance, Understandability, and Engagement. In O. Alonso, H. Cousijn, G. Silvello, M. Marrero, C. T. Lopes, & S. Marchesin (Eds.), *Linking Theory and Practice of Digital Libraries: 27th International Conference on Theory and Practice of Digital Libraries, TPD L 2023, Zadar, Croatia, September 26–29, 2023, Proceedings* (pp. 284–291). Springer. https://doi.org/10.1007/978-3-031-43849-3_25

[Link](#)

102 Informatik

Althammer, S., Zuccon, G., Hofstätter, S., Verberne, S., & Hanbury, A. (2023). Annotating Data for Fine-Tuning a Neural Ranker? Current Active Learning Strategies are not Better than Random Selection. In Q. Ai, L. Liu, & A. Moffat (Eds.), *SIGIR-AP '23: Proceedings of the Annual International ACM SIGIR Conference on Research and Development in Information Retrieval in the Asia Pacific Region* (pp. 139–149). Association for Computing Machinery. <https://doi.org/10.1145/3624918.3625333>

[Link](#)

102 Informatik

Naseer, M., Hasan, O., & Shafique, M. (2023). Scaling Model Checking for Neural Network Analysis via State-Space Reduction and Input Segmentation. In N. Narodytska, G. Amir, G. Katz, & O. Isac (Eds.), *Proceedings of the 6th Workshop on Formal Methods for ML-Enabled Autonomous Systems* (pp. 6–28). <https://doi.org/10.29007/7r6j>

[Link](#)

102 Informatik

Putra, R. V. W., & Shafique, M. (2023). TopSpark: A Timestep Optimization Methodology for Energy-Efficient Spiking Neural Networks on Autonomous Mobile Agents. In *2023 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)* (pp. 3561–3567). <https://doi.org/10.1109/IROS55552.2023.10342499>

[Link](#)

102 Informatik

Shehaby, R. E., Függer, M., & Steininger, A. (2023). On the Susceptibility of QDI Circuits to Transient Faults. In L. Petrucci & J. Sproston (Eds.), *Formal Modeling and Analysis of Timed Systems?: 21st International Conference, FORMATS 2023, Antwerp, Belgium, September 19–21, 2023, Proceedings* (pp. 69–85). Springer LNCS. https://doi.org/10.1007/978-3-031-42626-1_5

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Tabassam, Z., Steininger, A., Najvirt, R., & Huemer, F. (2023). ? : A Novel Approach for Mitigating Single Event Transient Effects in Quasi Delay Insensitive Logic. In *2023 28th IEEE International Symposium on Asynchronous Circuits and Systems (ASYNC)* (pp. 48–57). IEEE. <https://doi.org/10.1109/ASYNC58294.2023.10239589>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Martini, P., Kanellopoulos, K., & Schmid, S. (2023). Towards an optomechanical photon-noise limited thermal IR detector. In *2023 IEEE Nanotechnology Materials and Devices Conference (NMDC)* (pp. 513–514). IEEE. <https://doi.org/10.1109/NMDC57951.2023.10343532>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Martini, P., Kanellopoulos, K., & Schmid, S. (2023). Towards Photon-Noise Limited Thermal IR Detection with Optomechanical Resonators. In *2023 IEEE SENSORS. 2023 IEEE SENSORS, Vienna, Austria*. IEEE. <https://doi.org/10.1109/SENSORS56945.2023.10325323>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Avramescu, D., Baran, V., Greco, V., Ipp, A., Müller, D., & Ruggieri, M. (2023). Heavy quark η and jet η transport coefficients in the Glasma early stage of heavy-ion collisions. In *Proceedings of Science (PoS). 11th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions*

(HardProbes 2023), Aschaffenburg, Germany. <https://doi.org/10.48550/ARXIV.2307.07999>

[Link](#)

103 Physik, Astronomie

Rainer, R., Blasenbauer, D., Gritsch, L., Lipp, A.-M., & Lederer, J. (2023). Charakterisierung von Kunststofffolien in ausgewählten Abfallströmen. In A. Bockreis, M. Faulstich, S. Flamme, M. Kranert, M. Mocker, M. Nelles, P. Quicker, G. Rettenberger, & V. S. Rotter (Eds.), 12. Wissenschaftskongress Abfall- und Ressourcenwirtschaft (pp. 319–323). Innsbruck University Press.

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kählig, P., Ipsmiller, W., Bartl, A., & Lederer, J. (2023). Composition of textile waste in Vienna. In Proceedings SARDINIA 2023. 19th International Symposium on Waste Management, Resource Recovery and Sustainable Landfilling (SARDINIA 2023), Santa Margherita Di Pula, Cagliari, Italy. CISA Publisher.

[Link](#)

104 Chemie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Blasenbauer, D., Mühl, J., Fellner, J., & Lederer, J. (2023). Vergleich der Qualität und Menge an Wertstoffen in Schlacken aus Rost- und Wirbelschichtfeuerung von Siedlungsabfällen. In 12. Wissenschaftskongress Abfall- und Ressourcenwirtschaft am 9. und 10. März 2023 an der Technischen Universität Hamburg (pp. 89–93). innsbruck university press (iup).

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Platz, D., Stixenberger, M., Loch Gesing, A., Ignat, I., Kähler, H., & Schmid, U. (2023). Quality Factor Modulation in MEMS Resonators by Elastic Wave Interference in the Anchor Region. In Transducers 2023?: The 22nd International Conference on Solid-State Electronics, Actuators and Microsystems (pp. 1762–1765). IEEEJ.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Blasenbauer, D., Lipp, A.-M., Fellner, J., & Lederer, J. (2023). Assessment of the Recovery Potential of Recyclables via Automated Sorting of Municipal solid waste – A Case Study from Austria. In Proceedings SARDINIA 2023. 19th International Symposium on Waste Management, Resource Recovery and Sustainable Landfilling (SARDINIA 2023), Santa Margherita Di Pula, Cagliari, Italy. CISA Publisher.

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sverdlov, V., & Selberherr, S. (2023). Charge and Spin Transport in Semiconductor Devices. In 2023 IEEE 15th International Conference on ASIC (ASICON) (pp. 1–4). <https://doi.org/10.1109/ASICON58565.2023.10396645>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Raab, B., Srdinko, T., & Leeb, H. (2023). A novel R-matrix formalism for three-body channels. In C. M. Mattoon, R. Vogt, J. Escher, & I. Thompson (Eds.), 15th International Conference on Nuclear Data for Science and Technology (ND2022). <https://doi.org/10.1051/epjconf/202328403018>

[Link](#)

103 Physik, Astronomie

Srdinko, T., & Leeb, H. (2023). A new R-matrix module for multi-channel calculations with GECCOS. In C. M. Mattoon, R. Vogt, J. Escher, & I. Thompson (Eds.), 15th International Conference on Nuclear Data for Science and Technology (ND2022). <https://doi.org/10.1051/epjconf/202328403019>

[Link](#)

103 Physik, Astronomie

Dimitriou, P., Chen, Z., deBoer, R., Hale, G. M., Kunieda, S., Leeb, H., Paris, M., Pigni, M. T., Srdinko, T., Tamagno, P., & Thompson, I. J. (2023). Evaluation of light-element reactions in the resolved resonance region. In C. M. Mattoon, R. Vogt, J. Escher, & I. Thompson (Eds.), EPJ Web of Conferences?: 15th International Conference on Nuclear Data for Science and Technology (ND2022) (p. 03002). EDP Sciences. <https://doi.org/10.1051/epjconf/202328403002>

[Link](#)

103 Physik, Astronomie

Wilhelmer, C., Waldhör, D., Milardovich, D., Cvitkovich, L., Walzl, M., & Grasser, T. (2023). Intrinsic Electron Trapping in Amorphous Silicon Nitride (a-Si₃N₄:H). In 2023 International Conference on Simulation of Semiconductor Processes and Devices (SISPAD) (pp. 149–152). IEEE. <https://doi.org/10.23919/SISPAD57422.2023.10319493>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hozzová, P., Kovács, L., Norman, C., & Voronkov, A. (2023). Program Synthesis in Saturation. In B. Pientka & C. Tinelli (Eds.), Automated Deduction – CADE 29 29th International Conference on Automated Deduction, Rome, Italy, July 1–4, 2023, Proceedings (pp. 307–324). Springer. https://doi.org/10.1007/978-3-031-38499-8_18

[Link](#)

101 Mathematik

102 Informatik

Hozzová, P., Bendík, J., Nutz, A., & Rodeh, Y. (2023). Overapproximation of Non-Linear Integer Arithmetic for Smart Contract Verification. In R. Piskac & A. Voronkov (Eds.), Proceedings of 24th International Conference on Logic for Programming, Artificial Intelligence and Reasoning (pp. 257–243). EasyChair. <https://doi.org/10.29007/h4p7>

[Link](#)

101 Mathematik

102 Informatik

Konrad, J., Varlese, C., Krizan, R., Junger, C., & Hofmann, P. (2023). Fuel cell electric powertrain for the agricultural tractor – FCTRAC: development, performance, and benchmarking. In VDI Wissensforum GmbH (Ed.), LAND. TECHNIK AgEng 2023 (pp. 49–56). VDI Verlag. <https://doi.org/10.51202/9783181024270-49>

[Link](#)

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Müller, S. (2023). Determinacy Axioms and Large Cardinals. In M. K. Banerjee & V. S. Sreejith (Eds.), Logic and Its Applications. ICLA 2023 (pp. 68–78). https://doi.org/10.1007/978-3-031-26689-8_5

[Link](#)

101 Mathematik

Matz, G., Verardo, C., & Dittrich, T. (2023). Efficient Learning of Balanced Signature Graphs. In IEEE Proc. International Conference on Acoustics, Speech and Signal Processing (ICASSP). IEEE ICASSP 2023, Rhodes, Greece. <https://doi.org/10.1109/ICASSP49357.2023.10095989>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hoffmann, D., Lüder, A., Weidlinger, R., & Biffel, S. (2023). Integrated Production Quality and Security

Analysis. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–8). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275588>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Hoffmann, D., Huenecke, P., Lueder, A., & Biffl, S. (2023). Towards Case-Based Reuse of FMEA Models for Complex Production Systems. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–4). IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275550>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Mayer, P., Werner, K., Al-Radhi, M., Csapo, T. G., Czeba, B., Nemeth, G., Rocha, A. P., Oliveira, I., Silva, S., Szeker, M., Teixeira, A., & Panek, P. (2023). Concept and Pictogram-Based User-Interface Design of a Helper Tool for People with Aphasia. In dHealth 2023: Proceedings of the 17th Health Informatics Meets Digital Health Conference (pp. 77–82). IOS Press. <https://doi.org/10.3233/SHTI230016>

[Link](#)

102 Informatik

Hochwallner, F., Reichl, C., & Emhofer, J. (2023). Numerical analysis of a frost prevention system for refrigerated warehouses and planning of a test bench for validation. In Proceedings of the 26th IIR International Congress of Refrigeration. 26th IIR International Congress of Refrigeration, Paris, France. <https://doi.org/10.18462/iir.icr.2023.0280>

[Link](#)

203 Maschinenbau

Panek, P., & Mayer, P. (2023). Light as a Possible Guidance in the Toilet Room from the View of Dementia Experts. In B. Pfeifer, G. Schreier, M. Baumgartner, & D. Hayn (Eds.), dHealth 2023: Proceedings of the 17th Health Informatics Meets Digital Health Conference (pp. 225–226). IOS Press. <https://doi.org/10.3233/SHTI230044>

[Link](#)

102 Informatik

David, A., Sint, S., & Bednar, T. (2023). Comparison of the Simulated and Measured Performance of the PV Plant of Austria's Largest (Plus-)Plus-Energy Office Building. In Proceedings of EuroSun 2022 - ISES and IEA SHC International Conference on Solar Energy for Buildings and Industry (pp. 894–905). International Solar Energy Society. <https://doi.org/10.18086/eurosun.2022.10.03>

[Link](#)

201 Bauwesen

David, A., Sint, S., & Bednar, T. (2023). Data-Driven Approach Utilising Random Forest Regression for PV Performance Monitoring. In International Solar Energy Society (Ed.), Proceedings of EuroSun 2022 - ISES and IEA SHC International Conference on Solar Energy for Buildings and Industry (pp. 1699–1710). <https://doi.org/10.18086/eurosun.2022.16.03>

[Link](#)

201 Bauwesen

Ashury, M., Gerstoff, P., Mecklenbräuker, C. F., & Lungenschmied, D. (2023). Channel Estimation for FMCW Radar with Sparse Bayesian Learning. In Proceedings 2023 IEEE Conference on Antenna Measurements and Applications 2023 IEEE Conference on Antenna Measurements and Applications (CAMA) (pp. 266–270). <https://doi.org/10.1109/CAMA57522.2023.10352684>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Frankenberg, R., & Mecklenbrauker, C. F. (2023). OFDM Sidelobe Suppression by Time Domain Extended Active Interference Cancellation. In IEEE EUROCON Torino 2023 (pp. 445–449). <https://doi.org/10.1109/EUROCON56442.2023.10198999>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Löschenbrand, D., Tobisch, S. T., & Psenner, A. (2023). Rural linear settlement structures as a typological response to distinct settlement factors: climate, topography, landform, social structure and demography. A discussion based on the analysis of the Pannonian Basin. In V. Djokic, A. Djordjevic, M. Milojevic, A. Milovanovic, & M. Pesic (Eds.), *Praxis of Urban Morphology?: Conference Proceedings - Part I. XXX Conference of the International Seminar on Urban Form (ISUF2023)* (pp. 80–89). University of Belgrade - Faculty of Architecture. <https://doi.org/10.34726/5483>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Ertl, M. A. (2023). Memory Safety Without Tagging nor Static Type Checking. In <https://doi.org/10.34726/5401>. 38th EuroForth Conference, Italy. <https://doi.org/10.34726/5428>

[Link](#)

102 Informatik

Ertl, M. A. (2023). Are locals inevitably slow? In <https://doi.org/10.34726/5401> (pp. 48–49). <https://doi.org/10.34726/5430>

[Link](#)

102 Informatik

Ertl, M. A. (2023). Fix Spectre in hardware! Why and how. In T. Noll & I. Fesefeldt (Eds.), 22. Kolloquium Programmiersprachen und Grundlagen der Programmierung (pp. 9–23). RWTH Aachen University. <https://doi.org/10.34726/5431>

[Link](#)

102 Informatik

Thoma, M., Steindl, G., & Kastner, W. (2023). FIWARE-based Architecture for Smart Local Energy Communities. In 2023 IEEE 32nd International Symposium on Industrial Electronics (ISIE). 2023 IEEE 32nd International Symposium on Industrial Electronics (ISIE), Helsinki-Espoo, Finland. IEEE. <https://doi.org/10.1109/ISIE51358.2023.10228053>

[Link](#)

102 Informatik

Aminof, B., De Giacomo, G., Rubin, S., & Zuleger, F. (2023). Stochastic Best-Effort Strategies for Borel Goals. In 2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS). 2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS), Boston, MA, United States of America (the). IEEE. <https://doi.org/10.1109/LICS56636.2023.10175747>

[Link](#)

101 Mathematik

102 Informatik

Thoma, M., & Steindl, G. (2023). Integrating Constrained MQTT Devices into IoT Platforms for Smart Local Energy Communities. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA). 28th International Conference on Emerging Technologies and Factory Automation (ETFA), Sinaia, Romania. IEEE. <https://doi.org/10.1109/ETFA54631.2023.10275366>

[Link](#)

102 Informatik

Iosif, R., & Zuleger, F. (2023). Expressiveness Results for an Inductive Logic of Separated Relations. In

34th International Conference on Concurrency Theory (CONCUR 2023). 34th International Conference on Concurrency Theory, CONCUR 2023, Antwerp, Belgium. Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPIcs.CONCUR.2023.20>

[Link](#)

101 Mathematik

102 Informatik

Sharma, Y., Giunchiglia, E., Birnbach, S., & Martinovic, I. (2023). To TTP or not to TTP?: Exploiting TTPs to Improve ML-based Malware Detection. In Proceedings of the 2023 IEEE International Conference on Cyber Security and Resilience (CSR) (pp. 8–15). <https://doi.org/10.1109/CSR57506.2023.10225000>

[Link](#)

101 Mathematik

102 Informatik

Kiesel, R., & Schidler, A. (2023). A Dynamic MaxSAT-based Approach to Directed Feedback Vertex Sets. In 2023 Proceedings of the Symposium on Algorithm Engineering and Experiments (ALENEX) (pp. 39–52). <https://doi.org/10.1137/1.9781611977561.ch4>

[Link](#)

101 Mathematik

102 Informatik

Bhosale, P., Kastner, W., & Sauter, T. (2023). Integrated Safety-Security Risk Assessment for Production Systems: A Use Case Using Bayesian Belief Networks. In 2023 IEEE 21st International Conference on Industrial Informatics (INDIN). 21st International Conference on Industrial Informatics (INDIN), Lemgo, Germany. IEEE. <https://doi.org/10.1109/INDIN51400.2023.10217926>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Mendoza, C. F., Schwarz, S., & Rupp, M. (2023). User-Centric Clustering in Cell-Free MIMO Networks using Deep Reinforcement Learning. In ICC 2023 - IEEE International Conference on Communications Proceedings (pp. 1036–1041). IEEE. <https://doi.org/10.1109/ICC45041.2023.10279626>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bhole, M., Kastner, W., & Sauter, T. (2023). Knowledge Representation of Asset Information and Performance in OT Environments. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFAs). 2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFAs), Sinaia, Romania. IEEE. <https://doi.org/10.1109/ETFAs4631.2023.10275721>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Vrecar, R., Steinlechner, M., Rupprecht, P., Wedral, A., Negele, M., Palucki, M., Ratzler, B., & Weiss, A. (2023). How to Bring Diversity into Industry: Industrial Experiences in Public Transport Repair and Maintenance. In Human-Computer Interaction – INTERACT 2023?: 19th IFIP TC13 International Conference, York, UK, August 28 – September 1, 2023, Proceedings, Part IV (pp. 267–272). Springer. https://doi.org/10.1007/978-3-031-42293-5_20

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Wedral, A., Vrecar, R., Ebenhofer, G., Pönitz, T., Wührer, P. H., Weiss, A., & Stübl, G. (2023). Spatial Augmented Reality in the Factory: Can In-Situ Projections Be Used to Communicate Dangers and Health Risks? In J. Abdelnour Nocera, H. Petrie, M. Winckler, M. Larusdottir, & A. Piccinno (Eds.), *Human-Computer Interaction – INTERACT 2023?: 19th IFIP TC13 International Conference, York, UK, August 28 – September 1, 2023, Proceedings, Part II* (pp. 574–594). Springer. https://doi.org/10.1007/978-3-031-42283-6_31

[Link](#)

102 Informatik

Suter, G. (2023). Feature-Based Decomposition of Architectural Spaces: Outline of a Procedure and Research Challenges. In S. Skatulla & H. Beushausen (Eds.), *Advances in Information Technology in Civil and Building Engineering. ICCCBE 2022* (pp. 443–456). https://doi.org/10.1007/978-3-031-32515-1_31

[Link](#)

102 Informatik

201 Bauwesen

Reisch, R. T., Pantano, M., Janisch, L., Knoll, A., & Lee, D. (2023). Spatial Annotation of Time Series for Data Driven Quality Assurance in Additive Manufacturing. In R. Teti & D. D’Addona (Eds.), *Procedia CIRP?: 16th CIRP Conference on Intelligent Computation in Manufacturing Engineering* (pp. 753–758). Elsevier BV. <https://doi.org/10.1016/j.procir.2023.06.129>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Nixdorf, S., Golec, M., Hegedic, M., & Ansari, F. (2023). Work-Based Learning in South-East Europe: Example of a Learning Factory Industry 4.0 in Croatia. In *Proceedings of the 13th Conference on Learning Factories (CLF 2023)*. 13th Conference on Learning Factories (CLF 2023), Reutlingen, Germany. <https://doi.org/10.2139/ssrn.4470620>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Gubin, V., Benedikt, F., Hammerschmid, M., Popov, T., Müller, S., & Hofbauer, H. (2023). Techno-economic and Environmental Assessment of 1 MW Hydrogen Production from Woody Biomass Gasification. In *Papers of the 31st European Biomass Conference*. 31st European Biomass Conference and Exhibition, Bologna, Italy. <https://doi.org/10.5071/31STEUBCE2023-5DO.3.4>

[Link](#)

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

209 Industrielle Biotechnologie

Povoden-Karadeniz, E., & Garcia Arango, N. (2023). Applied Calphad to Cast and Wrought Successors to IN718: A Physics-Based Approach with Implications for Phase Stabilities, Precipitation, and Microstructural Modeling. In E. A. Ott, J. Andersson, & C. Sudbrack (Eds.), *Proceedings of the 10th International Symposium on Superalloy 718 and Derivatives* (pp. 347–367). Springer. https://doi.org/10.1007/978-3-031-27447-3_22

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Brand, C., Ganian, R., & Rocton, M. T. (2023). New Complexity-Theoretic Frontiers of Tractability for Neural Network Training. In *37th Conference on Neural Information Processing Systems (NeurIPS 2023)*. *NeurIPS 2023: Thirty-seventh Annual Conference on Neural Information Processing Systems*, New

Orleans, United States of America (the).

[Link](#)

101 Mathematik

102 Informatik

Berthe, G., Codert-Osman, Y., Dobler, A., Morelle, L., Reinald, A., & Rocton, M. (2023). PACE Solver Description: Touioudth. In N. Misra & M. Wahlström (Eds.), 18th International Symposium on Parameterized and Exact Computation (IPEC 2023) (pp. 38:1-38:4). Schloss Dagstuhl--Leibniz-Zentrum fuer Informatik. <https://doi.org/10.4230/LIPIcs.IPEC.2023.38>

[Link](#)

101 Mathematik

102 Informatik

Kraxberger, F., Museljac, E., Kurz, E., Toth, F., Kaltenbacher, M., & Schoder, S. (2023). The Nonlinear Eigenfrequency Problem of Room Acoustics with Porous Edge Absorbers. In A. Astolfi, F. Asdrudali, & L. Shtrepi (Eds.), Proceedings of the 10th Convention of the European Acoustics Association Forum Acusticum 2023 (pp. 6159–6166). European Acoustics Association. <https://doi.org/10.61782/fa.2023.0386>

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

Schidler, A., & Szeider, S. (2023). Computing Twin-width with SAT and Branch & Bound. In Proceedings of the Thirty-Second International Joint Conference on Artificial Intelligence (IJCAI-23) (pp. 2013–2021). International Joint Conferences on Artificial Intelligence. <https://doi.org/10.24963/ijcai.2023/224>

[Link](#)

101 Mathematik

102 Informatik

Nöllenburg, M., & Wallinger, M. (2023). Computing Hive Plots: A Combinatorial Framework. In M. A. Bekos & M. Chimani (Eds.), Graph Drawing and Network Visualization?: 31st International Symposium, GD 2023, Isola delle Femmine, Palermo, Italy, September 20–22, 2023, Revised Selected Papers, Part II (pp. 153–169). Springer. https://doi.org/10.1007/978-3-031-49275-4_11

[Link](#)

101 Mathematik

102 Informatik

Nöllenburg, M., & Pupyrev, S. (2023). On Families of Planar DAGs with Constant Stack Number. In M. A. Bekos & M. Chimani (Eds.), Graph Drawing and Network Visualization?: 31st International Symposium, GD 2023, Isola delle Femmine, Palermo, Italy, September 20–22, 2023, Revised Selected Papers, Part II (pp. 135–151). Springer. https://doi.org/10.1007/978-3-031-49272-3_10

[Link](#)

101 Mathematik

102 Informatik

Limmer, S., Varga, J., & Raidl, G. R. (2023). An Evolutionary Approach for Scheduling a Fleet of Shared Electric Vehicles. In J. G. M. Correia, S. Smith, & R. Qaddoura (Eds.), Applications of Evolutionary Computation?: 26th European Conference, EvoApplications 2023, Held as Part of EvoStar 2023, Brno, Czech Republic, April 12–14, 2023, Proceedings (pp. 3–18). Springer. https://doi.org/10.1007/978-3-031-30229-9_1

[Link](#)

101 Mathematik

102 Informatik

Knorr, F., & Kastner, W. (2023). Towards a Uniform Exchange Format for Home and Building Automation using VDI 3814. In 2023 IEEE 28th International Conference on Emerging Technologies and Factory

Automation (ETFA) (pp. 1–4). IEEE. <https://doi.org/10.34726/5498>

[Link](#)

102 Informatik

201 Bauwesen

Moosbrugger, M., Müllner, J., & Kovács, L. (2023). Automated Sensitivity Analysis for Probabilistic Loops. In P. Herber & A. Wijs (Eds.), *iFM 2023?: 18th International Conference, iFM 2023, Leiden, The Netherlands, November 13–15, 2023, Proceedings* (pp. 21–39). Springer. https://doi.org/10.1007/978-3-031-47705-8_2

[Link](#)

101 Mathematik

102 Informatik

Gaal, A., Dummer, W., Sobottka, T., Ansari Chaharsoughi, F., & Schlund, S. (2023). Advancing Medical Resident Scheduling. In *WGAB 2023* (pp. 115–134). GITO. https://doi.org/10.30844/wgab_2023_7

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Kremslehner, N., Sobottka, T., Nacsa, J., Beregi, R., & Schlund, S. (2023). Digital Twin training concept based on miniature demonstration factories. In *Proceedings of the 13th Conference on Learning Factories (CLF 2023)*. 13th Conference on Learning Factories (CLF 2023), Reutlingen, Germany. <https://doi.org/10.2139/ssrn.4458212>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Fischer, C., Rupprecht, P., & Schlund, S. (2023). Different approaches of conducting ergonomic assessment utilizing digital human models and motion capture in industrial site assembly. In *Proceedings of the 6th International Conference on Intelligent Human Systems Integration (IHSI 2023) Integrating People and Intelligent Systems, February 22–24, 2023, Venice, Italy* (pp. 348–358). AHFE International. <https://doi.org/10.54941/ahfe1002854>

[Link](#)

102 Informatik

203 Maschinenbau

211 Andere Technische Wissenschaften

Schmid, A., Granig, A., Sobottka, T., Riester, M., & Sihm, W. (2023). DISPO 4.0 - Simulationsbasierte Optimierung von Bestelllosgrößen. In S. Bergmann, N. Feldkamp, R. Souren, & S. Straßburger (Eds.), *20. ASIM Fachtagung Simulation in Produktion und Logistik* (pp. 421–432). Universitätsverlag Ilmenau. <https://doi.org/10.22032/dbt.57810>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Ferdowsi, A., Schmid, U., & Salzmann, J. (2023). Accurate Hybrid Delay Models for Dynamic Timing Analysis. In *2023 IEEE/ACM International Conference on Computer Aided Design (ICCAD)* (pp. 1–9). IEEE. <https://doi.org/10.1109/ICCAD57390.2023.10323646>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

El-Sherbiny, S., Ning, J., Hantusch, B., Kenner, L., & Raidou, R. G. (2023). Visual Analytics for the Integrated Exploration and Sensemaking of Cancer Cohort Radiogenomics and Clinical Information. In VCBM 2023: Eurographics Workshop on Visual Computing for Biology and Medicine (pp. 121–133). The Eurographics Association. <https://doi.org/10.2312/vcbm.20231220>

[Link](#)

102 Informatik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Schindler, M., Amirkhanov, A., & Raidou, R. G. (2023). Smoke Surfaces of 4D Biological Dynamical Systems. In T. Höllt & D. Jönsson (Eds.), VCBM 2023: Eurographics Workshop on Visual Computing for Biology and Medicine (pp. 93–97). The Eurographics Association. <https://doi.org/10.2312/vcbm.20231217>

[Link](#)

101 Mathematik

102 Informatik

303 Gesundheitswissenschaften

Coutelier, R., Kovács, L., Rawson, M., & Rath, J. (2023). SAT-Based Subsumption Resolution. In B. Pientka & C. Tinelli (Eds.), Automated Deduction – CADE 29 29th International Conference on Automated Deduction, Rome, Italy, July 1–4, 2023, Proceedings (pp. 190–206). Springer. https://doi.org/10.1007/978-3-031-38499-8_11

[Link](#)

102 Informatik

Stoiber, C., Pohl, M., & Aigner, W. (2023). Design Actions for the Design of Visualization Onboarding Methods. In 2023 IEEE VIS Workshop on Visualization Education, Literacy, and Activities (EduVis) (pp. 1–10). <https://doi.org/10.1109/EduVis60792.2023.00007>

[Link](#)

102 Informatik

501 Psychologie

Nielsen, F. Å., Lyhne, I., Garigliotti, D., Butzbach, A., Ravn Boess, E., Hose, K., & Kørnøv, L. (2023). Environmental impact assessment reports in Wikidata and a Wikibase. In Joint Proceedings of the ESWC 2023 Workshops and Tutorials co-located with 20th European Semantic Web Conference (ESWC 2023) (pp. 1–8). CEUR-WS.org. <https://doi.org/10.34726/5421>

[Link](#)

101 Mathematik

102 Informatik

Tjaden, S., Weiss, B., Rummer, B., Harris, C., Spanlang, A., & Wukovits, W. (2023). Evaluation of carbon dioxide emission reduction potential of voestalpine Stahl Linz by Transitioning to DR-EAF steel production with a m.simtop digital twin. In METEC & 6th ESTAD Proceedings 2023. METEC & 6th ESTAD (European Steel Technology and Application Days), Düsseldorf, Germany.

[Link](#)

204 Chemische Verfahrenstechnik

211 Andere Technische Wissenschaften

Pelgrin, O., Taelman, R., Galárraga, L., & Hose, K. (2023). GLENDa: Querying RDF Archives with Full SPARQL. In The Semantic Web: ESWC 2023 Satellite Events (pp. 75–80). Springer. <https://doi.org/10.34726/5411>

[Link](#)

101 Mathematik

102 Informatik

Hansen, E. R., Nielsen, T. D., Mulvad, T., Strausholm, M. N., Sagi, T., & Hose, K. (2023). Patient Event

Sequences for Predicting Hospitalization Length of Stay. In J. M. Juarez, M. Marcos, G. Stiglic, & A. Tucker (Eds.), *Artificial Intelligence in Medicine?: 21st International Conference on Artificial Intelligence in Medicine, AIME 2023, Portorož, Slovenia, June 12–15, 2023, Proceedings* (pp. 51–56). Springer. https://doi.org/10.1007/978-3-031-34344-5_7

[Link](#)

101 Mathematik

102 Informatik

Vukašinovic Nikola, Becatini Niccolo, Schramek Maximilian, Grafinger, M., & Škec Stanko. (2023). COVID-19 pandemic study: ad-hoc reaction and premeditated transition of project-based product design courses. In A. Chakrabarti & V. Singh (Eds.), *ICORD 2023: Design in the Era of Industry 4.0, Volume 3* (pp. 1069–1078). https://doi.org/10.1007/978-981-99-0428-0_87

[Link](#)

102 Informatik

203 Maschinenbau

Nigischer, C., Reiterer, F., Bougain, S., & Grafinger, M. (2023). Finding the proper level of detail to achieve sufficient model fidelity using FlexSim: An industrial use case. In A. Liu & S. Kara (Eds.), *Procedia CIRP?: The 33rd CIRP Design Conference* (pp. 1240–1245). Elsevier BV. <https://doi.org/10.1016/j.procir.2023.02.192>

[Link](#)

102 Informatik

203 Maschinenbau

Kovács, L., & Varonka, A. (2023). What Else is Undecidable About Loops? In R. Glück, L. Santocanale, & M. Winter (Eds.), *Relational and Algebraic Methods in Computer Science. RAMiCS 2023* (pp. 176–193). Springer. https://doi.org/10.1007/978-3-031-28083-2_11

[Link](#)

102 Informatik

Eiter, T., Higuera Ruiz, N. N., & Oetsch, J. (2023). A modular neurosymbolic approach for visual graph question answering. In A. S. d'Avila Garcez, T. R. Besold, M. Gori, & E. Jimenez-Ruiz (Eds.), *Proceedings of the 17th International Workshop on Neural-Symbolic Learning and Reasoning (NeSy 2023)* (pp. 139–149). CEUR-WS.org. <https://doi.org/10.34726/5409>

[Link](#)

102 Informatik

Bhayat, A., Korovin, K., Kovaes, L., & Schoisswohl, J. (2023). Refining Unification with Abstraction. In R. Piskac & A. Voronkov (Eds.), *Proceedings of 24th International Conference on Logic for Programming, Artificial Intelligence and Reasoning* (pp. 36–47). EasyChair EPiC. <https://doi.org/10.29007/h65j>

[Link](#)

102 Informatik

Talypova, D., Lingler, A., & Wintersberger, P. (2023). User-Centered Investigation of Features for Attention Management Systems in an Online Vignette Study. In F. Michahelles, P. Knierim, & J. Häkkinä (Eds.), *Proceedings of MUM 2023, the 22nd International Conference on Mobile and Ubiquitous Multimedia* (pp. 108–121). Association for Computing Machinery (ACM). <https://doi.org/10.1145/3626705.3627766>

[Link](#)

102 Informatik

501 Psychologie

Wang, Y., Steinmetz, M., Dorfbauer, S., Michahelles, F., & Wintersberger, P. (2023). Investigation of a Pitch Function for Motion-Based VR Bicycle Simulators. In A. Schmidt, K. Väänänen, T. Goyal, P. O.

Kristensson, & A. N. Peters (Eds.), CHI EA '23: Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1–7). Association for Computing Machinery. <https://doi.org/10.1145/3544549.3585623>

[Link](#)

101 Mathematik

102 Informatik

Bhayat, A., Schoisswohl, J., & Rawson, M. (2023). Superposition with Delayed Unification. In B. Pientka & C. Tinelli (Eds.), Automated Deduction – CADE 29 29th International Conference on Automated Deduction, Rome, Italy, July 1–4, 2023, Proceedings (pp. 23–40). Springer. https://doi.org/10.1007/978-3-031-38499-8_2

[Link](#)

102 Informatik

Kieseberg, P., Weippl, E., Tjoa, A. M., Cabitza, F., Campagner, A., & Holzinger, A. (2023). Controllable AI - An Alternative to Trustworthiness in Complex AI Systems? In A. Holzinger, P. Kieseberg, & F. Cabitza (Eds.), Machine Learning and Knowledge Extraction?: 7th IFIP TC 5, TC 12, WG 8.4, WG 8.9, WG 12.9 International Cross-Domain Conference, CD-MAKE 2023, Benevento, Italy, August 29 – September 1, 2023, Proceedings (pp. 1–12). Springer. https://doi.org/10.1007/978-3-031-40837-3_1

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Zaman, Q., Khusro, S., & Tjoa, A. M. (2023). Improved Detection and Interpretation of Multilingual Signboards in Natural Scene for Visually Impaired People. In 2023 IEEE International Conference on Data and Software Engineering (ICoDSE) (pp. 126–131). IEEE. <https://doi.org/10.1109/ICoDSE59534.2023.10291385>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Kiesel, R., & Eiter, T. (2023). Knowledge Compilation and More with SharpSAT-TD. In P. Marquis, T. C. Son, & G. Kern-Isberner (Eds.), Proceedings of the 20th International Conference on Principles of Knowledge Representation and Reasoning (pp. 406–416). IJCAI Organization. <https://doi.org/10.24963/kr.2023/40>

[Link](#)

101 Mathematik

102 Informatik

Bozzato, L., Eiter, T., Kiesel, R. P. D., & Stepanova, D. (2023). Semantically Guided Scene Generation via Contextual Reasoning and Algebraic Measures. In Proceedings of the International Conference on Logic Programming 2023 Workshops co-located with the 39th International Conference on Logic Programming (ICLP 2023). 16th Workshop on Answer Set Programming and Other Computing Paradigms (ASPOCP 2023), London, United Kingdom of Great Britain and Northern Ireland (the). CEUR-WS.org. <https://doi.org/10.34726/5412>

[Link](#)

102 Informatik

Saad, A., Pascher, M., Kassem, K., Heger, R., Liebers, J., Schneegass, S., & Gruenefeld, U. (2023). Hand-in-Hand: Investigating Mechanical Tracking for User Identification in Cobot Interaction. In F. Michahelles, P. Knierim, & J. Häkikilä (Eds.), MUM '23: Proceedings of the 22nd International Conference on Mobile and Ubiquitous Multimedia (pp. 1–9). Association for Computing Machinery. <https://doi.org/10.1145/3626705.3627771>

[Link](#)

101 Mathematik

102 Informatik

Wintersberger, P., Rathmayr, M., & Lingler, A. (2023). Spot'Em: Interactive Data Labeling as a Means to Maintain Situation Awareness. In Proceedings of the 15th International Conference on Automotive User Interfaces and Interactive Vehicular Application (pp. 72–80). <https://doi.org/10.1145/3580585.3607163>

[Link](#)

101 Mathematik

102 Informatik

Graziani, C., Drucks, T., Bianchini, M., Scarselli, F., & Gärtner, T. (2023). No PAIN no Gain: More Expressive GNNs with Paths. In NeurIPS 2023 Workshop: New Frontiers in Graph Learning. NeurIPS 2023 Workshop: New Frontiers in Graph Learning, New Orleans, LA, United States of America (the). OpenReview.net. <https://doi.org/10.34726/5429>

[Link](#)

101 Mathematik

102 Informatik

Seshadri, P., & Knees, P. (2023). Leveraging Negative Signals with Self-Attention for Sequential Music Recommendation. In Proceedings of the Music Recommender Systems Workshop (MuRS) at the 17th ACM Recommender Systems Conference (RecSys'23). Music Recommender Systems Workshop at the 17th ACM Recommender Systems Conference (RecSys'23), Singapore, Singapore. Zenodo. <https://doi.org/10.5281/zenodo.8372449>

[Link](#)

102 Informatik

Ferraro, A., Knees, P., Quadrana, M., Ye, T., & Gouyon, F. (2023). MuRS: Music Recommender Systems Workshop. In J. Zhang, L. Chen, S. Berkovsky, J.-M. Zhang, T. Di Noia, J. Basilico, L. Pizzato, & Y. Song (Eds.), Proceedings of the Seventeenth ACM Conference on Recommender Systems, Singapore, 18th–22nd September 2023 (pp. 1227–1230). Association for Computing Machinery (ACM). <https://doi.org/10.1145/3604915.3608750>

[Link](#)

102 Informatik

Korovin, K., Kovács, L., Reger, G., Schoisswohl, J., & Voronkov, A. (2023). ALASCA: Reasoning in Quantified Linear Arithmetic. In S. Sankaranarayanan & N. Sharygina (Eds.), Tools and Algorithms for the Construction and Analysis of Systems (pp. 647–665). https://doi.org/10.1007/978-3-031-30823-9_33

[Link](#)

101 Mathematik

102 Informatik

Brand, C., Ganian, R., Röder Sebastian, & Schager Florian. (2023). Fixed-Parameter Algorithms for Computing {RAC} Drawings of Graphs. In M. A. Bekos & M. Chimani (Eds.), Graph Drawing and Network Visualization?: 31st International Symposium, GD 2023, Isola delle Femmine, Palermo, Italy, September 20–22, 2023, Revised Selected Papers, Part II (pp. 66–81). Springer. https://doi.org/10.1007/978-3-031-49275-4_5

[Link](#)

101 Mathematik

102 Informatik

Wang, Y., Schimmerl, R. J., Kocur, M., & Philipp Wintersberger. (2023). Ubiquity of VR: Towards Investigating Ways of Interrupting VR Users to Obtain Their Attention in Public Spaces. In G. Zachmann (Ed.), Virtual Reality and Mixed Reality. EuroXR 2023 (pp. 40–52). Springer Nature Switzerland AG. https://doi.org/10.1007/978-3-031-48495-7_3

[Link](#)

102 Informatik

504 Soziologie

An, S., Park, G., & Lee, D. (2023). Strictly Positive Realness-Based Feedback Gain Design Under Imperfect Input-Output Feedback Linearization in Prioritized Control Problem. In 2023 62nd IEEE Conference on Decision and Control (CDC) (pp. 2622–2629). <https://doi.org/10.1109/CDC49753.2023.10383658>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Banaeyan, M., & Kropatsch, W. (2023). Distance Transform in Parallel Logarithmic Complexity. In Proceedings of the 12th International Conference on Pattern Recognition Applications and Methods - ICPRAM 2023 (pp. 115–123). SciTePress, Science and Technology Publications. <https://doi.org/10.5220/0011681500003411>

[Link](#)

101 Mathematik

102 Informatik

Majid Banaeyan, & Kropatsch, W. (2023). Reducing the Computational Complexity of the Eccentricity Transform of a Tree. In M. Vento, P. Foggia, D. Conte, & V. Carletti (Eds.), Graph-Based Representations in Pattern Recognition (pp. 160–171). https://doi.org/10.1007/978-3-031-42795-4_15

[Link](#)

101 Mathematik

102 Informatik

Hirschler, P., Aufhauser, M. M., Brandstetter, T., Janesch, T. L., Pescatore, E., Pühringer, F., Zech, S., Buchenberger, M., Mauri, A., Sattlegger, S., & Tomaselli, M. (2023). Four cities, three provinces, two states, one region: Integrated inner-city development concept in a regional context (ISEK4). In B. Banachowicz (Ed.), 35th AESOP Annual Congress. Integrated Planning in a World of Turbulence. Book of Proceedings (pp. 238–253). Association of European Schools of Planning. <https://doi.org/10.34726/5485>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Kranzl, L. (2023). Wärmewende reloaded: Perspektiven, Planungstools, Prioritäten. In Wirtschaftskammer Österreich (Ed.), Zero Emission Cities. Erneuerbare Energie - Herausforderung - Wege - Unterstützung - Lösung.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Mandlbürger, G., & Westfeld, P. (2023). Ein Überblick über optische Methoden in der Hydrographie. In T. Kersten & N. Tilly (Eds.), Beiträge. 43. Wissenschaftlich-Technische Jahrestagung der DGPF. 22.-23. März 2023 in München (pp. 1–21).

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Eder, D. (2023). Metal-organic Frameworks as Next-generation Photocatalysts? In The 4th International Congress on Advanced Materials Sciences and Engineering - Abstract Book (pp. 104–104).

[Link](#)

104 Chemie

Sihn, W., & Greimel, L. (2023). Die Instandhaltungsfreie Fabrik. In M. Henke (Ed.), Resilienz stärken -

Herausforderungen meistern! Eine innovative Instandhaltung als Erfolgsfaktor (pp. 1–6). <https://doi.org/10.24406/publica-1035>

[Link](#)

502 Wirtschaftswissenschaften

Korjenic, A. (2023). Effekte von Gebäudebegrünung und deren Wasserbedarf. In Wiederverwendung von gereinigtem Abwasser (pp. 1–6). Österreichischer Wasser- und Abfallwirtschaftsverband.

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ukaj, N., Hellmich, C., & Scheiner, S. (2023). The Mechanics of Pandemics: Empowering Boltzmann Creep for the Prediction of COVID-19 Fatality Trends. In W. Schubert & A. Kluckner (Eds.), Challenges in Rock Mechanics & Rock Engineering?: 15th International ISRM Congress & 72nd Geomechanics Colloquium. Austrian Society for Geomechanics. <http://hdl.handle.net/20.500.12708/189289>

[Link](#)

201 Bauwesen

206 Medizintechnik

Steinlechner, M., Ansari, F., & Schlund, S. (2023). Evolution of Competence Management in Manufacturing Industries. In V. Ivanov, J. Trojanowska, I. Pavlenko, E. Rauch, & J. Pitel (Eds.), Advances in Design, Simulation and Manufacturing VI?: Proceedings of the 6th International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE-2023, June 6–9, 2023, High Tatras, Slovak Republic - Volume 1: Manufacturing Engineering (pp. 60–70). Springer. https://doi.org/10.1007/978-3-031-32767-4_6

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Kuznets, R. (2023). Always Look on Both Sides of Proof: Syntax and Semantics as the Yin and Yang of Structural Proof Theory. In D. R. S. Ramanayake & J. Urban (Eds.), Automated Reasoning with Analytic Tableaux and Related Methods: 32nd International Conference, TABLEUX 2023, Prague, Czech Republic, September 18–21, 2023, Proceedings. Springer. <https://doi.org/10.34726/5327>

[Link](#)

102 Informatik

Dustdar, S. (2023). Distributed Intelligence in the Computing Continuum. In J. Cano Reyes, M. Dikaiakos, G. Papadopoulos, M. Pericàs, & R. Sakellariou (Eds.), Euro-Par 2023: Parallel Processing 29th International Conference on Parallel and Distributed Computing, Limassol, Cyprus, August 28 – September 1, 2023, Proceedings (pp. xxi–xxi). Springer.

[Link](#)

102 Informatik

Kalliauer, J., Aminbaghai, M., Wagner, A., & Mang, H. (2023). Conditions for Extreme Values of the Stiffness of Proportionally Loaded Structures. In ECCOMAS MSF 2023?: 6th International Conference on Multi-Scale Computational Methods for Solids and Fluids?: Proceedings (pp. 9–10). University of Sarajevo.

[Link](#)

201 Bauwesen

Liberto, T. (2023). Challenges in the study of fresh sustainable construction materials. In 2nd Annual Conference of the Austrian Society for Rheology (pp. 14–14).

[Link](#)

201 Bauwesen
205 Werkstofftechnik
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Stefan Nastic. (2023). Serverless Compute Fabric for Edge-Cloud Continuum: Opportunities and Challenges. In J. Filipe, M. Smialek, A. Brodsky, & S. Hammoudi (Eds.), Proceedings of the 25th International Conference on Enterprise Information Systems - (Volume 1) (pp. 15–15). SCITEPRESS.

[Link](#)

102 Informatik

Adam, D. (2023). Applied Soil Dynamics in Geotechnical Engineering. In E. Koch, Z. Szilvagy, & B. Nagy (Eds.), XXVIII. Széchy Károly Emlékkonferencia (pp. 13–52).

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Jobst, M., Gruber, L., Jirí Hladuvka, Gerner, C., & Del Favero, G. (2023). Unraveling the secrets of cell motility: from images to -omics with the help of bioinformatics. In 11th Visegrad symposium on biomolecular interactions (pp. 8–8).

[Link](#)

102 Informatik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Kovács, L. (2023). Symbolic Computation in Automated Program Reasoning. In M. Chechik, J.-P. Katoen, & M. Leucker (Eds.), Formal Methods?: 25th International Symposium, FM 2023, Lübeck, Germany, March 6–10, 2023, Proceedings (pp. 3–9). Springer. https://doi.org/10.1007/978-3-031-27481-7_1

[Link](#)

102 Informatik

Kovács, L. (2023). Algebra-Based Loop Analysis. In A. Dickenstein, E. Tsigaridas, & G. Jeronimo (Eds.), ISSAC '23: Proceedings of the 2023 International Symposium on Symbolic and Algebraic Computation (pp. 41–42). Association for Computing Machinery. <https://doi.org/10.1145/3597066.3597150>

[Link](#)

102 Informatik

Kovacs, L. (2023). Algebraic Reasoning for (Un)Solvable Loops (Invited Talk). In J. Leroux, S. Lombardy, & D. Peleg (Eds.), 48th International Symposium on Mathematical Foundations of Computer Science (MFCS 2023) (pp. 4:1-4:2). Schloss-Dagstuhl - Leibniz Zentrum für Informatik. <https://doi.org/10.4230/LIPICS.MFCS.2023.4>

[Link](#)

102 Informatik

Petrovic, M., Dobos, A., Tromayer, M., Lunzer, M., Sayer, S., Markovic, M., Liska, R., & Ovsianikov, A. (2023). Photoresponsive hydrogels for multiphoton biofabrication. In ESB2023 Conference Abstracts (pp. 156–156). ARI Abstracts Periodical.

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Lipp, A.-M., Blasenbauer, D., & Lederer, J. (2023). Simple (Screening) Does the Trick – Siebklassierung zur Wertstoffanreicherung in Outputs von Restmüllsplittingsanlagen. In Deutsche Gesellschaft für Abfallwirtschaft e.V. & CREM Institute – Circular I Resource I Engineering I Management der Technischen Universität Hamburg (Eds.), Tagungsband zum 12. Wissenschaftskongress Abfall- und Ressourcenwirtschaft am 9. und 10. März 2023 an der Technischen Universität Hamburg (pp. 271–275). innsbruck university press (iup).

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Tonejca, L., Mauthner, G., Trautner, T., Koenig, V., & Liemberger, W. (2023). AI-Based Surface Roughness Prediction Model for Automated CAM-Planning Optimization. In Proceedings 2022 IEEE 27th International Conference on Emerging Technologies and Factory Automation (ETFA) (pp. 1–4). IEEE. <https://doi.org/10.1109/ETFA52439.2022.9921281>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Jaidl, M., Beiser, M., Giparakis, M., Kainz, M. A., Theiner, D., Limbacher, B., Ertl, M. C., Andrews, A. M., Strasser, G., Darmo, J., & Unterrainer, K. (2023). Ultra-Broadband Heterogeneous Terahertz Quantum Cascade Laser. In 22nd International Winterschool - New Developments in Solid State Physics - Abstract Book. 22nd International Winterschool New Developments in Solid State Physics, Mauterndorf, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ertl, M. C., Jaidl, M., Limbacher, B., Theiner, D., Beiser, M., Giparakis, M., Andrews, A. M., Strasser, G., Darmo, J., & Unterrainer, K. (2023). Episcide-down bonded terahertz quantum cascade wire laser. In 22nd International Winterschool - New Developments in Solid State Physics - Abstract Book. 22nd International Winterschool New Developments in Solid State Physics, Mauterndorf, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Theiner, D., Limbacher, B., Jaidl, M., Ertl, M. C., Unterrainer, K., & Darmo, J. (2023). Tailored Terahertz Frequency Combs for Molecular Sensing. In 22nd International Winterschool - New Developments in Solid State Physics - Abstract Book. 22nd International Winterschool New Developments in Solid State Physics, Mauterndorf, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schachinger, T. (2023). Only one Electron at a Time? – Studying Temporal Correlations of Continuous Field Emission in the TEM. In 13th ASEM Workshop on Advanced Electron Microscopy. Vienna 2023 (pp. 55–55). Austrian Society for Electron Microscopy (ASEM). <https://doi.org/10.34726/5021>

[Link](#)

103 Physik, Astronomie

104 Chemie

210 Nanotechnologie

Löffler, S. (2023). Possibilities of 4D Energy-filtered STEM for Core Loss Spectroscopy. In 13th ASEM Workshop on Advanced Electron Microscopy. Vienna 2023 (pp. 46–46). Austrian Society for Electron Microscopy (ASEM). <https://doi.org/10.34726/5022>

[Link](#)

103 Physik, Astronomie

104 Chemie

210 Nanotechnologie

Scherrer, S. A., De Lannoy, G., Heyvaert, Z., Bechtold, M., Albergel, C., El-Madany, T. S., & Dorigo, W. A. (2023). Effects of bias in an LAI data assimilation system on carbon uptake and hydrological variables and over Europe. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-11534>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Mukunga, T. T., Forkel, M., Forrest, M., Zotta, R.-M., Schlaffer, S., & Dorigo, W. A. (2023). Effect of socioeconomic variables in predicting global wildfire ignition occurrence. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-13976>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dahle, C., Güntner, A., Sharifi, E., Haas, J., Dorigo, W. A., Jäggi, A., Ruz Vargas, C., Dobsław, H., Behzadpour, S., Boergens, E., Briese, C., Contreras Lopez, S., Crétaux, J.-F., Darbeheshti, N., Dussailant, I., Flechtner, F., Hunink, J., Kidd, R., Pasik, A. J., & Zemp, M. (2023). A data service for global groundwater and terrestrial water storage variations based on satellite gravimetry. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-15510>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Himmelbauer, I., Gruber, A., Aberer, D., Preimesberger, W., Stradiotti, P., Dorigo, W. A., Boresch, A., Tercjak, M., Gibon, F., Mialon, A., Richaume, P., Kerr, Y., Diez Garcia, R., Crapolicchio, R., Sabia, R., Scipal, K., & Goryl, P. (2023). Analyzing the reliability of in situ soil moisture measurements for satellite product validation: What makes fiducial reference measurements fiducial? In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-16006>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Iglseder, A., Lechner, M., Immitzer, M., Hoffert-Hösl, H., Rottenbacher, C., Lumetsberger, T., Kasper, A., Schnetz, M.-E., Kramer, K., Bauerhansl, C., & Hollaus, M. (2023). Combining Remote Sensing Data for Habitat Mapping and Monitoring on a Regional Scale – the SEMONA RELOADED Project. In EGU General Assembly 2023. EGU General Assembly 2023, Wien, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-13179>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sverdlov, V., El-Sayed, A.-M. B., Seiler, H., & Kosina, H. (2023). Edge States Dispersion in Narrow Nanoribbons of 2D Transition Metal Dichalcogenides in the 1T' Topological Phase. In 22nd International Winterschool - New Developments in Solid State Physics - Abstract Book (pp. 116–116).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Niggas, A., Werl, M., & Wilhelm, R. A. (2023). Neutralisation of highly charged ions at surfaces. In 21st Atomic Processes in Plasmas Conference (pp. 104–104).

[Link](#)

103 Physik, Astronomie

Burtscher, S., & Spiel, K. (2023). Tackling Discrimination in Tech: The Anti-Bias Cards (ABC) in Use. In A. Schmidt, K. Väänänen, T. Goyal, P. O. Kristensson, & A. N. Peters (Eds.), CHI EA '23: Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1–6). Association for Computing Machinery. <https://doi.org/10.1145/3544549.3585592>

[Link](#)

102 Informatik

605 Andere Geisteswissenschaften

Holynski, T. (2023). Parameter estimation based on differential equations of empirical transforms. In European Meeting of Statisticians 2023 Book of Abstracts (pp. 122–122).

[Link](#)

101 Mathematik

Kimmersdorfer, G., Wolf, D., & Waldner, M. (2023). WebGPU for Scalable Client-Side Aggregate Visualization. In C. Gillmann, M. Krone, & S. Lenti (Eds.), EuroVis 2023 - Posters (pp. 105–107). Eurographics. <https://doi.org/10.2312/evp.20231079>

[Link](#)

102 Informatik

Laha, A., Böhm, J., Böhm, S., Dikshit, O., & Balasubramanian, N. (2023). Comparison between VLBI and other space geodetic techniques for determining Earth orientation parameters. In 26th European VLBI Group for Geodesy and Astronomy Working Meeting. Information and book of abstracts (pp. 37–37). <https://doi.org/10.34726/4781>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Glaser, P.-L., Ali, S. J., Sallinger, E., & Bork, D. (2023). Exploring Enterprise Architecture Knowledge Graphs in Archi: The EAKG Toolkit. In Conference Proceedings: Enterprise Design, Operations, and Computing. EDOC 2022 Workshops (pp. 332–338). Springer. https://doi.org/10.1007/978-3-031-26886-1_21

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Weiss, V. (2023). Gas-phase electrophoresis of exhaled breath condensate (EBC) applying a nES GEMMA instrumentation. In M. Marchetti-Deschmann, E. E. Rosenberg, & V. Weiss (Eds.), ANAKON 2023: Book of Abstracts (pp. 313–313).

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Steinberger, S., Karuthedom George, S., Lauková, L., Weiss, R., Tripisciano, C., Birner-Grünberger, R., Weber, V., Allmaier, G., Marchetti-Deschmann, M., & Weiss, V. (2023). Characterization of extracellular vesicles via nES GEMMA, NTA and MS/MS regarding purity and vesicle integrity. In M. Marchetti-Deschmann, E. E. Rosenberg, & V. Weiss (Eds.), ANAKON 2023: Book of Abstracts (pp. 314–314).

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Bendra, M., Fiorentini, S., Hadamek, T., Jorstad, N. P., Ender, J., Lacerda de Orio, R., Selberherr, S., Goes, W., & Sverdlov, V. (2023). Switching Composite Free Layers in Ultra-Scaled MRAM Cells. In 22nd International Winterschool - New Developments in Solid State Physics - Abstract Book (pp. 184–185).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Serna Loaiza, S., Hofbauer, C., Zelaya Lainez, L. H., Scolari, L., Zikeli, F. M., Harter, T., Grothe, H., Füssl, J., Friedl, A., Lukacevic, M., & Harasek, M. (2023). Lignin-Bonded Composites from Sawmill Byproducts. In ISWFPC 2023: Conference Proceedings Vol. II, Poster Presentations (pp. 302–305).

[Link](#)

201 Bauwesen

204 Chemische Verfahrenstechnik

Brunnbauer, L., Willner, J., Fafilek, G., Larisegger, S., & Limbeck, A. (2023). Characterization of the corrosion behavior of copper in sulfur-containing environments using LA-ICP-MS and LIBS. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 140–140).

[Link](#)

104 Chemie

Brunnbauer, L., Porkert, M., Porizka, P., Kalcikova Gabriela, Kaiser, J., & Limbeck, A. (2023). Characterization of microplastics using LA-ICP-MS and LIBS. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 205–205).

[Link](#)

104 Chemie

Achleitner, B., Podsednik, M., Willner, J., Larisegger, S., Nelhiebel, M., Huber, T., Knaack, P., & Limbeck, A. (2023). In-situ study of temperature related changes in polymers using LIBS. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 256–256).

[Link](#)

104 Chemie

Podsednik, M., Larisegger, S., Nelhiebel, M., Taibl, S., Klein, P., Fleig, J., Bahr, A. A. I., Riedl-Tragenreif, H., Mayrhofer, P. H., & Limbeck, A. (2023). Depth-resolved analysis of technologically relevant materials by simultaneous LA-ICP-MS & LIBS measurements. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 265–265).

[Link](#)

104 Chemie

Willner, J., Podsednik, M., Achleitner, B., Huber, T., Nelhiebel, M., Larisegger, S., & Limbeck, A. (2023). Implementation of a new heating stage for in-situ LIBS analysis of temperature induced processes. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 267–267).

[Link](#)

104 Chemie

Achleitner, B., Varain, L., Nelhiebel, M., Fafilek, G., Larisegger, S., & Limbeck, A. (2023). A 3D approach to visualize ion diffusion in polymers using LA-ICP-MS and LIBS. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 311–311).

[Link](#)

104 Chemie

Kronlachner, L., Lenz, L., Holzer, A., Opitz, A. K., & Limbeck, A. (2023). Liquid standard addition calibration for laser ablation inductively coupled plasma optical emission spectrometry. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 313–313).

[Link](#)

104 Chemie

Podsednik, M., Achleitner, B., Willner, J., Larisegger, S., Nelhiebel, M., Huber, T., & Limbeck, A. (2023). Time-resolved investigation of copper scaling at different temperatures by in-situ LIBS measurements. In V. S. Selih & M. Sala (Eds.), Book of abstracts of the 19th European Winter Conference on Plasma Spectrochemistry (pp. 315–315).

[Link](#)

104 Chemie

Wenger, C., Fellner, A., Bucek, F., Werginz, P., & Rattay, F. (2023). Comparison of cochlear implant electrode placement in the scala tympani vs scala vestibuli: Simulating auditory nerve fiber response of varying degeneration degree. In Bernstein Conference 2023. Bernstein Conference 2023, Berlin, Germany. <https://doi.org/10.12751/nncn.bc2023.262>

[Link](#)

101 Mathematik

Pruckner, B., Fiorentini, S., Goes, W., & Sverdlov, V. (2023). Impact of Spin-Flip Length in dsMTJ Spacer Layers on Switching Performance. In Digital Book of Abstracts: 13th International Symposium on Hysteresis Modeling and Micromagnetics (HMM 2023) (pp. 1–1).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Bendra, M., Fiorentini, S., Selberherr, S., Goes, W., & Sverdlov, V. (2023). Simulation of Spin-Torque and Magnetization Dynamics in STT-MRAM Multi-Level Cells. In Digital Book of Abstracts: 13th International Symposium on Hysteresis Modeling and Micromagnetics (HMM 2023) (pp. 1–1).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Farella, E. M., Remondino, F., Cahalane, C., Qin, R., Loghin, A.-M., Di Tullio, M., Haala, N., & Mills, J. (2023). Geometric processing of very high-resolution satellite imagery: quality assessment for 3d mapping needs. In B. Hejmanowska, D. Iwaszczuk, K. Bakula, & F. Remondino (Eds.), 2nd GEOBENCH Workshop on Evaluation and BENCHmarking of Sensors, Systems and GEOspatial Data in Photogrammetry and Remote Sensing (pp. 47–54). ISPRS. <https://doi.org/10.5194/isprs-archives-XLVIII-1-W3-2023-47-2023>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hackl, T., Mesquida, P., Poik, M., & Schitter, G. (2023). Ac kelvin probe force microscopy enables nanoscale surface charge mapping in water. In Proceedings of the Microscience Microscopy Congress 2023 incorporating EMAG 2023. Microscience Microscopy Congress 2023, Manchester, United Kingdom of Great Britain and Northern Ireland (the). <https://doi.org/10.22443/rms.mmc2023.166>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Fischer, H. S., Teichmann, F., Smertnig, M., Zeilinger, J., & Korjenic, A. (2023). Innovationsnetzwerk natuREbuilt. In fragen säen. antworten ernten. >> Bioeconomy Austria Summit 2023 Abstract Buch (pp. 23–23).

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Plankenbichler, E., Limbacher, B., Jaidl, M., Theiner, D., Ertl, M. C., Giparakis, M., Andrews, A. M.,

Strasser, G., Ramer, G., Lendl, B., & Unterrainer, K. (2023). Dark Vertical Transport of Electrons in Polaritonic Semiconductor Heterostructures. In Book of Abstracts NOEKS16: 16th International Conference on Nonlinear Optics and Excitation Kinetics in Semiconductors (pp. 1–2).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Mähr, M., Talmazan, R. A., & Podewitz, M. (2023). Localizing Transition-States of Diffusion Controlled Reactions – Application to Inorganic Complexes. In 6th EuChemS Inorganic Chemistry Conference. 6th EuChemS Inorganic Chemistry Conference, Wien, Austria.

[Link](#)

104 Chemie

Herwanto, G. B., Ekaputra, F. J., Piroi, F., & Sabou, M. (2023). Towards A Knowledge Graph-based Exploratory Search for Privacy Engineering. In B. Fu, P. Lambrix, H. Li, S. Nunes, & C. Pesquita (Eds.), Proceedings of the 8th International Workshop on the Visualization and Interaction for Ontologies, Linked Data and Knowledge Graphs, co-located with the 22nd International Semantic Web Conference (ISWC 2023) (pp. 49–56).

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Hulaj, B., Apaydin, D. H., & Schröder, K. (2023). Investigating the influence of ionic liquids on the visible-light induced photoelectrochemical reduction of CO₂. In EUROPA CAT2023 15th European Congress on Catalysis - book of abstracts (pp. 380–380).

[Link](#)

103 Physik, Astronomie

104 Chemie

204 Chemische Verfahrenstechnik

Stippel, C., Schwendinger, B., Kammerhofer, M., Hoch, R., Kaindl, H., & Sauter, T. (2023). Towards Optimized Schedules for Charging Electric Vehicles on Austrian Highways using Genetic Algorithms. In GECCO '23 Companion: Proceedings of the Companion Conference on Genetic and Evolutionary Computation (pp. 767–770). Association for Computing Machinery. <https://doi.org/10.1145/3583133.3590754>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Kiraly, V., Fried, S., Zeck, G. M., & Werginz, P. (2023). Biophysical diversity affects activation thresholds in retinal ganglion cells. In ERM 2023?: European Retina Meeting 2023 (pp. 120–120).

[Link](#)

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Radosits, F. K., Ajanovic, A., & Haas, R. (2023). Prospects and challenges for biomass-based gas production in Austria. In 7. Mitteleuropäische Biomassekonferenz, Central European Biomasse Conference, #CEBC 2023, Tagungsband, Proceedings (pp. 212–212). Österreichischer Biomasse-Verband.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Fantoni, A., Lunzer, M., Baudis, S., Ovsianikov, A., & Liska, R. (2023). STIMULI-RESPONSIVE BIOMATERIALS: ENABLING THE SPATIOTEMPORAL MICROPATTERNING OF PHOTORESPONSIVE HYDROGELS VIA DISULFIDE-BASED LINKERS. In Polymer Meeting 15 Book of Abstracts. Polymer Meeting 15, Bratislava, Slovakia.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Wang, B.-Y., Bhuckory, M. B., Jensen, N., Chen, C., Kochnev Goldstein, A., Shin, A., Galambos, L., Pham-Howard, D., Monkongpitukkul, N., Mathieson, K., Kamins, T., Werginz, P., & Palanker, D. (2023). Essential role of network-mediated stimulation for high visual acuity with subretinal prostheses. In *The Eye and the Chip 2023: 13th World Research Congress* (pp. 99–99).

[Link](#)

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Mayer, F., Haslinger, C., Leutgeb, L. P., Haas, M., Baudis, S., & Liska, R. (2023). Novel Radical Photoinitiators Based on Germanium with Long Wavelength Absorption for High Curing Depth. In *Polymer Meeting 15?: Book of Abstracts* (pp. 185–185). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Haslinger, C., Fitzka, M., Berk, O., Zahoranova, A., & Baudis, S. (2023). Synthesis of Ultrasound-Responsive Hydrogels Based on Poly(2-Oxazoline)S as Drug Delivery System and their Sonoreological Investigation. In *Polymer Meeting 15?: Book of Abstracts* (pp. 193–193). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Böhm, S., & Salstein, D. A. (2023). Atmospheric excitation of length of day inferred from 21st century climate model projections. In *EGU General Assembly 2023*. EGU General Assembly 2023, Vienna, Austria. EGU. <https://doi.org/10.5194/egusphere-egu23-14040>

[Link](#)

103 Physik, Astronomie

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kopinski-Grünwald, O., Ferguson, J., Heibel, P., Zopf, L. M., Kamplleitner, C., & Ovsianikov, A. (2023). Bioassembly of 3D-printed microsccaffold reinforced spheroids for bone tissue regeneration in vivo. In B. Lengger (Ed.), *LBG Meeting 2023 - Traumatology?: Abstracts*.

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Grünwald, L., Martín-Hernández, R., Gangrskaiia, E., Shumakova, V., Hernandez Garcia, C., & Mai, S. (2023). Particle-in-Cell simulations of ultrashort optical laser pulses for magnetic field enhancement and electric field suppression. In *2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC)* (pp. 1–1). IEEE. <https://doi.org/10.1109/CLEO/EUROPE-EQEC57999.2023.10232672>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Liberto, T., Bellotto, M. P., Dal Sasso, G., & Robisson, A. (2023). Early age cohesion of building materials via SAOS. In *Book of Abstract Annual European Rheology Conference 2022* (pp. 144–144).

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Imran, F., Piotrowska, J. A., Golda, M., & Harasek, M. (2023). Investigation of Dope Characteristics and

Take-Up Speed on the Spinning of Asymmetric Hollow Fiber Membranes. In 17. Minisymposium Verfahrenstechnik and 8th Partikelforum. 17. Minisymposium Verfahrenstechnik und 8. Partikelforum, Wien, Austria.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

205 Werkstofftechnik

Kropatschek, S. J., Kurniawan, K., Bhosale, P. R., Hollerer, S., Kiesling, E., & Winkler, D. (2023). Towards A Knowledge Graph-based Framework for Integrated Security and Safety Analysis in Digital Production Systems. In I. Fundulaki, K. Kouji, D. Garijo, & J. M. Gomez-Perez (Eds.), Proceedings of the ISWC 2023 Posters, Demos and Industry Tracks: From Novel Ideas to Industrial Practice co-located with 22nd International Semantic Web Conference (ISWC 2023).

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Marin, D., Ohrhallinger, S., & Wimmer, M. (2023). Parameter-Free and Improved Connectivity for Point Clouds. In G. Singh & M. Chu (Eds.), Eurographics 2023 - Posters (pp. 5–6). Eurographics. <https://doi.org/10.2312/egp.20231023>

[Link](#)

102 Informatik

Galazka, S., Dielacher, I., Vierheilig, J., Radu, L.-E., Vigl, V., Kriz, R., Spettel, K., & Woegerbauer, M. (2023). Impact of flooding on antibiotic resistance gene concentrations in soils of the Donau-Auen National Park. In 44th IAD Conference?: Tackling Present & Future Environmental Challenges of a European Riverscape?: Conference Book (pp. 26–26).

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schröpfer, S., Molitor, C., Böttcher, C., Haselmair-Gosch, C., Flachowsky, H., & Halbwirth, H. (2023). Validation of a candidate gene involved in the biosynthesis of phloridzin in apple by heterologous expression in *Arabidopsis thaliana*. In XVI Eucarpia Symposium on Fruit Breeding and Genetics (pp. 152–152).

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Rabeeh, I. A. M., Molitor, C., & Halbwirth, H. (2023). Extraction and characterization of enzymes involved in the enzymatic browning of strawberry fruit products. In S. Guyot, K. Wähälä, & D. Barron (Eds.), ICP2023 Abstracts (pp. 193–193). International Association of Groupe Polyphenols.

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Schröpfer, S., Molitor, C., Haselmair-Gosch, C., Flachowsky, H., Stich, K., & Halbwirth, H. (2023). Elucidation of phloridzin biosynthesis in apple - tissue specific expression pattern of a candidate gene presumed to play a key role in phloridzin formation. In S. Guyot, K. Wähälä, & D. Barron (Eds.), ICP2023 Abstracts (pp. 233–233). International Association of Groupe Polyphenols.

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik
209 Industrielle Biotechnologie

Hofer, S., & Lederer, J. (2023). Ageing and screening as strategies to increase the quality of manufactured aggregate from fluidized bed incinerator bottom ash for utilization in concrete. In Proceedings 17th Minisymposium Verfahrenstechnik and 8th Partikelforum (pp. 98–99). University of Natural Resources and Life Sciences (BOKU).

[Link](#)

104 Chemie
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ableidinger, K., & Liska, R. (2023). Novel Photoinitiator Systems for Step-Growth Polymerization. In Polymer Meeting 15?: Book of Abstracts (pp. 186–186). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie
204 Chemische Verfahrenstechnik

Podewitz, M., Talmazan, R. A., Castillo, I., & Hofer, T. (2023). Towards Operando Modelling in Supramolecular Catalysis: Assessing the Reaction Dynamics of Cu-calix[8]arene for C-X Coupling by QM/MM MD. In Abstracts: Poster Presentation?: ISMSC 2023. International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC 2023), Harpa, Iceland.

[Link](#)

104 Chemie

Diendorfer, S., Wolff, R., Knaack, P., Ehrmann, K., & Liska, R. (2023). Photo-induced catalytic curing of isocyanates. In Polymer Meeting 15?: Book of Abstracts (pp. 200–200). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie
204 Chemische Verfahrenstechnik

Pieringer, F., Ruppitsch, L. A., Ehrmann, K., Peer, G., Kury, M., Koch, T., Catel, Y., Stampfl, J., Moszner, N., & Liska, R. (2023). Cyclopolymerization as Versatile Tool in Photopolymerization Towards Low Shrinkage Behavior. In Polymer Meeting 15?: Book of Abstracts (pp. 188–188). Polymer Institute of the Slovak Academy of Sciences.

[Link](#)

104 Chemie
204 Chemische Verfahrenstechnik

Dielacher, I., Galazka, S., Radu, L.-E., Kreuzinger, N., Woegerbauer, M., Klümper, U., Berendonk, T., & Vierheilig, J. (2023). Occurrence of antibiotic resistant genes in two tributaries of the Danube along different environmental gradients. In 44th IAD Conference?: Tackling Present & Future Environmental Challenges of a European Riverscape?: Conference Book (pp. 27–27).

[Link](#)

201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Grothe, H., Bocaniciu, C.-G., Gratzl, J. G., & Koyun, A. N. (2023). Classification of carbonaceous aerosol particles originating from asphalt pavement. In 13th International Conference on Carbonaceous Particles in the Atmosphere - Technical Program. 13th International Conference on Carbonaceous Particles in the Atmosphere, Berkeley, United States of America (the).

[Link](#)

104 Chemie

Grothe, H., & Gratzl, J. G. (2023). Biological aerosol particles in the Finnish Sub-Arctic. In 13th International Conference on Carbonaceous Particles in the Atmosphere - Technical Program. 13th International Conference on Carbonaceous Particles in the Atmosphere, Berkeley, United States of America (the).

[Link](#)

104 Chemie

Naseer, M., & Shafique, M. (2023). Poster: Link between Bias, Node Sensitivity and Long-Tail Distribution in trained DNNs. In 2023 IEEE 16th International Conference on Software Testing, Verification and Validation (pp. 474–477). <https://doi.org/10.1109/ICST57152.2023.00054>

[Link](#)

102 Informatik

Colucci, A. (2023). Towards Transient Fault Mitigation Techniques Optimized for Compressed Neural Networks. In 2023 53rd Annual IEEE/IFIP International Conference on Dependable Systems and Networks - Supplemental Volume (DSN-S) (pp. 211–213). IEEE. <https://doi.org/10.1109/DSN-S58398.2023.00059>

[Link](#)

102 Informatik

Feher, F., Mühl, J., Hofer, S., Paul, S., Skutan, S., & Lederer, J. (2023). Eigenschaften von Beton aus natürlichen und industriell hergestellte Gesteinskörnungen aus Müllverbrennungaschen. In 12. Wissenschaftskongress Abfall- und Ressourcenwirtschaft (pp. 211–215). Innsbruck University Press.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Breslmayer, G., Blasenbauer, D., Gritsch, L., Lipp, A.-M., & Lederer, J. (2023). Faseraufbereitungsversuch mit automatisiert sortiertem Papier aus dem Restmüll. In A. Bockreis, M. Faulstich, S. Flamme, M. Kranert, M. Mocker, M. Nelles, P. Quicker, G. Rettenberger, & V. S. Rotter (Eds.), 12. Wissenschaftskongress Abfall- und Ressourcenwirtschaft (pp. 193–196). Innsbruck University Press.

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hotzy, P., Boguslavski, K., & Müller, D. I. (2023). A stabilizing kernel for complex Langevin simulations of real-time gauge theories. In The 39th International Symposium on Lattice Field Theory. The 39th International Symposium on Lattice Field Theory (Lattice 2022), Bonn, Germany. SISSA. <https://doi.org/10.22323/1.430.0279>

[Link](#)

103 Physik, Astronomie

Kugu, O., Zhou, S., Nowak, R., Müller, G., Reiterer, S. H., Meierhofer, A., Lachinger, S., Wurth, L., & Grafinger, M. (2023). An FMI- and SSP-based Model Integration Methodology for a Digital Twin Platform of a Holistic Railway Infrastructure System. In D. Müller, A. Monti, & A. Benighi (Eds.), Proceedings of the 15th International Modelica Conference (pp. 717–726). Modelica Association and Linköping University Electronic Press. <https://doi.org/10.3384/ecp204717>

[Link](#)

102 Informatik

203 Maschinenbau

Koprivova, H., Kiss, K., Brunnbauer, L., Krbal, L., Stejskal, V., Buchtova, M., Kaska, M., Limbeck, A., Porizka, P., & Kaiser, J. (2023). Advanced correlative imaging of malignant melanomas using LIBS, LA-ICP-MS and immunohistochemistry. In EMSLIBS 2023?: 12th Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy?: Book of Abstracts (pp. 167–167).

[Link](#)

104 Chemie

Corna, A., Cojocaru, A.-E., Werginz, P., & Zeck, G. M. (2023). Sinusoidal Stimulation, a selective and high resolution stimulation strategy for epiretinal implants. In *The Eye and the Chip: 13th World Research Congress* (pp. 37–37).

[Link](#)

206 Medizintechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Kassem, K., Shahu, A., Tüchler, C., Wintersberger, P., & Michahelles, F. (2023). Enhancing the Supervision of Out-of-View Robots: A Study on Multimodal Feedback and Monitoring Screens. In *MuC '23: Proceedings of Mensch und Computer 2023* (pp. 487–491). <https://doi.org/10.1145/3603555.3608550>

[Link](#)

101 Mathematik

102 Informatik

Kassem, K., & Michahelles, F. (2023). Et Machina: Exploring the Use of Conversational Agents Such as ChatGPT in Scientific Writing. In *CEUR Workshop Proceedings CHIItaly 2023*. CHIItaly 2023, Italy.

[Link](#)

102 Informatik

Premstaller, M., Kotsios, H., & Wintersberger, P. (2023). Embodied Conversational Agent Teams for Trust Calibration in Automated Vehicles. In *Adjunct Proceedings of the 15th International Conference on Automotive User Interfaces and Interactive Vehicular Applications* (pp. 71–76). <https://doi.org/10.1145/3581961.3609890>

[Link](#)

101 Mathematik

102 Informatik

Brasoveanu, A. D., Jogl, F., Welke, P., & Thiessen, M. (2023). Extending Graph Neural Networks with Global Features. In *The Second Learning on Graphs Conference (LoG 2023)*. The Second Learning on Graphs Conference (LoG 2023), online, Austria. OpenReview.net. <https://doi.org/10.34726/5423>

[Link](#)

102 Informatik

Bause, F., Jogl, F., Welke, P., & Thiessen, M. (2023). Maximally Expressive GNNs for Outerplanar Graphs. In *The Second Learning on Graphs Conference (LoG 2023)*. Second Learning on Graphs Conference (LoG 2023), Austria. OpenReview.net. <https://doi.org/10.34726/5434>

[Link](#)

102 Informatik

Bause, F., Jogl, F., Indri, P., Drucks, T., Penz, D., Kriege, N., Gärtner, T., Welke, P., & Thiessen, M. (2023). Maximally Expressive GNNs for Outerplanar Graphs. In *NeurIPS 2023 Workshop: New Frontiers in Graph Learning*. NeurIPS 2023 Workshop: New Frontiers in Graph Learning, New Orleans, LA, United States of America (the). OpenReview.net. <https://doi.org/10.34726/5433>

[Link](#)

102 Informatik

Lachi, V., Moallem-Oureh, A., Roth, A., & Welke, P. (2023). Graph Pooling Provably Improves Expressivity. In *NeurIPS 2023 Workshop: New Frontiers in Graph Learning*. NeurIPS 2023 Workshop: New Frontiers in Graph Learning, New Orleans, LA, United States of America (the). OpenReview.net. <https://doi.org/10.34726/5432>

[Link](#)

102 Informatik

Gajarska, Z., Lohninger, J., Kepes, E., Porízka, P., Kaiser, J., & Limbeck, A. (2023). Python library for the retrieval of valuable information from LIBS spectra. In EMSLIBS 2023?: 12th Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy?: Book of Abstracts (pp. 169–169).

[Link](#)

104 Chemie

Verhoeven, G. J., Carloni, M., Schlegel, J., Wild, B., & Wogrin, S. (2023). Finding listeners for walls that speak. In G. J. Verhoeven, J. Schlegel, B. Wild, S. Wogrin, & M. Carloni (Eds.), Document, archive, disseminate graffiti-scapes?: Proceedings of the goINDIGO 2022 International Graffiti Symposium (pp. 6–15). Urban Creativity / AP2. <https://doi.org/10.48619/indigo.v0i0.699>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Greiner, S., Têrnava, X., Meixner, K., & Krieter, S. (2023). Sixth International Workshop on Variability and Evolution of Software-Intensive Systems (VariVolution 2023). In SPLC '23: Proceedings of the 27th ACM International Systems and Software Product Line Conference - Volume A (pp. 274–274). <https://doi.org/10.1145/3579027.3609003>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Neidhardt, J., Wörndl, W., Kuflik, T., Goldenberg, D., & Zanker, M. (2023). Workshop on Recommenders in Tourism (RecTour) 2023. In J. Zhang, L. Chen, & S. Berkovsky (Eds.), RecSys '23: Proceedings of the 17th ACM Conference on Recommender Systems (pp. 1274–1275). Association for Computing Machinery. <https://doi.org/10.1145/3604915.3608764>

[Link](#)

102 Informatik

Majchrzak, T. A., Gronli, T.-M., & Kaindl, H. (2023). Introduction to the HICSS-56 Software Development for Mobile Devices, the Internet-of-Things, and Cyber-Physical Systems Minitrack. In Proceedings of the 56th Hawaii International Conference on System Sciences (pp. 6893–6894).

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Plakolm-Forsthuber, S. (2023). Die NS Kunstpolitik in der Gaustadt Wien. In Das Belvedere. 300 Jahre Ort der Kunst (pp. 258–266).

[Link](#)

604 Kunstwissenschaften

Plakolm-Forsthuber, S. (2023). National Socialist Art Policy in the Gau City Vienna. In The Belvedere.300 Years a Venue for Art (pp. 258–266).

[Link](#)

604 Kunstwissenschaften

Knierbein, S., & Ullmann, A. (2023). Öffentliche Räume der Kultur. Community zwischen Curating und Kapitalismus. In Public Matters. Zeitgenössische Kunst im Belvedere-Garten. Contemporary Art in the Belvedere Garden (pp. 212–222). Verlag der Buchhandlung Walther & Franz König.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Bretschneider, J., Sattlegger, S., Singer, M., & Schneider, U. (2023). Synthese. Die Kartierung des Wiener Nordostens?: Erfahrungen, Beobachtungen, Entwurfsprinzipien. In J. Bretschneider, S. Sattlegger, M. Singer, & U. Schneider (Eds.), *The in-between?: Zwischen Stadt und Hinterland, Maßstäben, Disziplinen, Fragmenten und Systemen* (pp. 94–101). Forschungsbereich Städtebau, TU Wien.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Franceschi, G., Diebold, U., & Balajka, J. (2023). Atomic structure of oxide surfaces in aqueous environment. In K. Wandelt & G. Bussetti (Eds.), *Encyclopedia of Solid-Liquid Interfaces* (pp. 200–209). Elsevier. <https://doi.org/10.1016/B978-0-323-85669-0.00078-7>

[Link](#)

103 Physik, Astronomie

Langer, A., & Güntner, S. A. (2023). Innovation in Social Services. In F. Gallouj, C. Gallouj, & M.-C. Monnoyer (Eds.), *Elgar Encyclopedia of Services* (pp. 429–431). Edward Elgar. <https://doi.org/10.4337/9781802202595.Innovation.in.Social.Services>

[Link](#)

504 Soziologie

509 Andere Sozialwissenschaften

Aniel, F., Auton, G., Cumming, D., Feiginov, M., Gebert, S., González, T., Li, C., Lissauskas, A., Marinchio, H., Mateos, J., Palermo, C., Song, A., Treuttel, J., Varani, L., & Zerounian, N. (2023). Terahertz Electronic Devices. In M. Rudan, Rossella Brunetti, & S. Reggiani (Eds.), *Springer Handbook of Semiconductor Devices* (pp. 807–849). https://doi.org/10.1007/978-3-030-79827-7_22

[Link](#)

103 Physik, Astronomie

202 Elektrotechnik, Elektronik, Informationstechnik

Sommer, B., Pont, U., Sommer-Nawara, M., & Moncayo, G. (2023). Energy Design: Gestaltung und Innovation in Bestandsgebäuden. In Nabil. A. Fouad (Ed.), *Bauphysik-Kalender 2023: Schwerpunkt: Nachhaltigkeit* (pp. 529–554). Ernst & Sohn, A Wiley-Brand.

[Link](#)

102 Informatik

201 Bauwesen

Pont, U., Schober, K. P., Wölzl, M., & Schuß, M. W. (2023). Vakuumglasintegration in Bestands- und Neufenster. In Nabil. A. Fouad (Ed.), *Bauphysik-Kalender 2023*. Ernst & Sohn, A Wiley-Brand.

[Link](#)

201 Bauwesen

Schindelegger, A., & Mayr, L. S. (2023). Austria. In J.-M. Halleux, A. Hendricks, B. I. Nordahl, & V. Maliene (Eds.), *Public Value Capture of Increasing Property Values across Europe* (pp. 35–42). vdf Hochschulverlag AG.

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Maierhofer, M. (2023). Zentral, dezentral, egal? Wege einer integrierten Gesundheitsversorgung in urbanen und ruralen Nachbarschaften. In M. Maierhofer, E. Temmel, J. Lehner, K. M. Schelling, & L. Benz (Eds.), *Space Anatomy – Die räumliche Dimension österreichischer Gesundheitspraxis* (pp. 60–77). Jovis.

[Link](#)

201 Bauwesen
305 Andere Humanmedizin, Gesundheitswissenschaften
507 Humangeographie, Regionale Geographie, Raumplanung

Aigner, A. (2023). Was heißt hier kritisch? Was “reflexive Kritik” im Feld der Architektur bedeuten könnte. In A. Aigner, H. Cremer-Schäfer, & A. Pilgram (Eds.), *Gesellschaft, Kritik, Ironie: Liber Amicorum für Reinhard Kreissl* (Vol. 106, pp. 213–240). LIT Verlag.

[Link](#)

201 Bauwesen
504 Soziologie

Mahdavi, A., & Wolosiuk, D. (2023). 14-Ontologically streamlined data for building design and operation support. In peter Droege (Ed.), *Intelligent Environments* (pp. 447–474). Elsevier. <https://doi.org/10.1016/B978-0-12-820247-0.00003-5>

[Link](#)

102 Informatik
201 Bauwesen

Rupprechter, G. (2023). Application of XPS in studies of model catalysts: from single crystals to supported nanoparticles. In S. Zafeiratos (Ed.), *Applications of X-Ray Photoelectron Spectroscopy To Catalytic Studies?: From Routine Analysis to Cutting-Edge Surface Characterization* (Vol. 21, pp. 155–192). World Scientific Publishing Company. https://doi.org/10.1142/9781800613294_0007

[Link](#)

104 Chemie

Kevdzija, M. (2023). Rehabilitation Clinics that Enhance Stroke Recovery: Rethinking the Same-for-All Design Approach. In F. Ferdous & E. Roberts (Eds.), *(Re)designing the Continuum of Care for Older Adults* (pp. 123–143). Springer. https://doi.org/10.1007/978-3-031-20970-3_7

[Link](#)

201 Bauwesen

Hollerer, S., Brenner, B., Bhosale, P. R., Fischer, C., Hosseini, A. M., Maragkou, S., Papa, M., Schlund, S., Sauter, T., & Kastner, W. (2023). Challenges in OT Security and Their Impacts on Safety-Related Cyber-Physical Production Systems. In B. Vogel-Heuser & M. Wimmer (Eds.), *Digital Transformation* (Vol. 1, pp. 171–202). Springer Vieweg. https://doi.org/10.1007/978-3-662-65004-2_7

[Link](#)

101 Mathematik
102 Informatik
202 Elektrotechnik, Elektronik, Informationstechnik

Knoflacher, H. (2023). stadt: bewegung. In C. Monschein, E. Steiner, & A. Zeininger (Eds.), *Camillo Sitte: stadt!* (pp. 31–42). Mury Salzmann Verlags GmbH.

[Link](#)

201 Bauwesen

Mahdavi, A., Wolosiuk, D., & Berger, C. (2023). From theory to ontology: Representing people in building performance simulation models. In E. Hjelseth, S. Sujan, & R. Scherer (Eds.), *ECPPM 2022 - eWork and eBusiness in Architecture, Engineering and Construction 2022* (pp. 583–590). CRC Press. <https://doi.org/10.1201/9781003354222-74>

[Link](#)

102 Informatik
201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Avasalcai, C., & Dustdar, S. (2023). Edge Computing: Use Cases and Research Challenges. In B. Vogel-

Heuser & M. Wimmer (Eds.), *Digital Transformation: Core Technologies and Emerging Topics from a Computer Science Perspective* (pp. 125–142). Springer Vieweg. https://doi.org/10.1007/978-3-662-65004-2_5

[Link](#)

102 Informatik

Krebs, R., & Tomaselli, M. (2023). Planejamento orientado para o diálogo e a inclusão social: o Urban Design Lab na América Latina e no Caribe. In C. Leite (Ed.), *Guia de Urbanismo Social* (pp. 438–443). BEI Editoal.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Jonas, M., Novy, A., Bärnthaler, R., Karabeczek, V., Plank, L., & Schinko, T. (2023). Theorien des Wandels und der Gestaltung von Strukturen: Bereitstellungsperspektive. In C. Görg, V. Madner, A. Muhar, A. Novy, A. Posch, K. Steininger, & E. Aigner (Eds.), *APCC Special Report: Strukturen für ein klimafreundliches Leben* (pp. 675–690). Springer Spektrum. https://doi.org/10.1007/978-3-662-66497-1_31

[Link](#)

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Wolfram, G., Herzig, A., & Zessner-Spitzenberg, M. (2023). 2. Wasserqualität und Gewässerökologie: Von der Empfindlichkeit eines Steppensees. In C. Janisch, A. Lang, & B. Watzek (Eds.), *Das Ende des Neusiedler Sees?* (pp. 22–43). Residenz Verlag. <http://hdl.handle.net/20.500.12708/175905>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Golgolnia, T., Kevdzija, M., & Marquardt, G. (2023). Proposing a Systematic Assessment Tool for Evaluating the Architectural Variables of Dementia-Friendly Design in Nursing Homes. In J. Goodman-Deane, H. Dong, A. Heylighen, J. Lazar, & J. Clarkson (Eds.), *Design for Sustainable Inclusion. CWUAAT 2023* (pp. 59–69). Springer. https://doi.org/10.1007/978-3-031-28528-8_7

[Link](#)

101 Mathematik

201 Bauwesen

Filzmoser, P., & Mazak-Huemer, A. (2023). Massive Data Sets – Is Data Quality Still an Issue? In B. Vogel-Heuser & M. Wimmer (Eds.), *Digital Transformation* (Vol. 1, pp. 269–279). Springer Vieweg. https://doi.org/10.1007/978-3-662-65004-2_11

[Link](#)

101 Mathematik

102 Informatik

502 Wirtschaftswissenschaften

Franceschi, G., & Diebold, U. (2023). Oxide Surfaces. In *Encyclopedia of Materials: Electronics* (pp. 501–511). Elsevier. <https://doi.org/10.1016/B978-0-12-819728-8.00059-0>

[Link](#)

103 Physik, Astronomie

Peyrony, J., Sielker, F., & Perrin, T. (2023). Coopération territoriale transfrontalière entre la France et l'Allemagne?: évolution, convergence et perspectives. In E. Gustedt, U. Grabski-Kieron, C. Demazière, & D. Paris (Eds.), *Villes et métropoles en France et en Allemagne*. Hanovre (Vol. 21, pp. 193–215).

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Yamu, C., Tan, W., & Sielker, F. (2023). Case studies: City-scale digital twins. In L. Wan, T. Nochta, J. Tang, & J. Schooling (Eds.), *Digital Twins for Smart Cities* (pp. 31–67). ICE Publishing. <https://doi.org/10.1680/dtsc.66007.031>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Hellmeier, J., Platzer, R., Huppa, J. B., & Sevcsik, E. (2023). A DNA Origami-Based Biointerface to Interrogate the Spatial Requirements for Sensitized T-Cell Antigen Recognition. In C. Baldari & M. L. Dustin (Eds.), *The Immune Synapse. Methods and Protocols* (Vol. 2654, pp. 277–302). Humana. https://doi.org/10.1007/978-1-0716-3135-5_18

[Link](#)

103 Physik, Astronomie

106 Biologie

107 Andere Naturwissenschaften

Pfeifer, Z. (2023). Graue Laus und Kreuzberg Tower. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 1–3). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_1

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Becker, J., & Vejník, L. (2023). Standort, Zeitpunkt. Positionale Relationen auf einem rotierenden Planeten. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 5–12). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_2

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Jahrmann, M., & Innerhofer, J. (2023). Die spielerische Gesellschaft. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 15–20). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_3

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Kehar, A. (2023). Wildfires on the occupied lands known as California. In J. Becker, T. G. Grandel, M.-A. Miessgang, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 23–35). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_4

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Kehar, A. (2023). Wildfires auf den besetzten Landstrichen, die als Kalifornien bekannt sind. In J. Becker, T. G. Grandel, M.-A. Miessgang, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 37–50). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_4

978-3-85448-055-6_5

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Fruhstorfer, A. (2023). Making Oddkin. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 53–55). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_6

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Krejs, B. (2023). Über die Zukunft des Wohnens in der Gegenwart digitaler Bilder. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 57–63). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_7

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Merlic, R. (2023). TheCityAsAHouse: SENTO. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 65–67). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_8

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Wodak, R., & Innerhofer, J. (2023). Der sprachliche Markt. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 69–75). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_9

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Rabl, C. (2023). Über architektonische Künstlichkeits- und Inauthentizitätsphänomene. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 77–83). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_10

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Bernhardt, H., Götz, M., Grandel, T. G., Kastens, M., Niemand, H., Seiler, L., & Zelt, S. (2023). Institut für Wertschätzung. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 85–86). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_11

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Stoll, B. (2023). Architektur als Asset. In J. Becker, T. G. Grandel, M.-A. Miessgang, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 89–100). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_12

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Mayer, B., & Brücke, P. (2023). Wiener Linie. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 103–105). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_13

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Linsmeier, C. M., Mayer, B., & Sattlegger, S. (2023). Wien Radial! Die Wiener Ausfallstraßen als Potenzial- und Konflikt Räume. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 107–130). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_14

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Winter, S. (2023). Terrestrial Consciousness. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 133–135). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_15

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Banerjee, I. (2023). The Digital Agoras of Taiwan: Reimagining Spaces for Civic Engagement. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 137–154). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_16

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Banerjee, I. (2023). Die digitalen Agoras von Taiwan: Räume für bürgerschaftliches Engagement neu konzipieren. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 157–176). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_17

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Kleinschmidt, K., & Innerhofer, J. (2023). Mythos Rückkehr. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 179–183). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_18

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Miessgang, M.-A. (2023). Autokorrektur. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 185–187). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_19

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Dlabaja, C. (2023). Recht auf Stadt: Umkämpfte Infrastrukturen, Zukünfte und Solidaritäten. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 189–199). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_20

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Wagner, M., Peer, C., Sirbegovic, A., Stumfol, I., Güntner, S. A., Pretterhofer, H., Schneider, U., & Trapp, H. (2023). Katalog. In J. Becker, T. G. Grandel, M.-A. Miessgang, M. Mitteregger, & S. Sattlegger (Eds.), *Vages Terrain?: Fragmente einer Standortwahl von übermorgen* (pp. 1–24). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-055-6_21

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Pramhaas, V., & Rupprechter, G. (2023). Sum Frequency Generation (SFG) Spectroscopy. In I. Wachs & M. A. Bañares (Eds.), *Springer Handbook of Advanced Catalyst Characterization* (pp. 213–233). Springer. https://doi.org/10.1007/978-3-031-07125-6_10

[Link](#)

104 Chemie

Plakolm, S. (2023). Profession: “Frau Architekt”. On the Training of Vienna’s First Female Architects. In M. Bois & B. Reinhold (Eds.), *Margarete Schütte-Lihotzky. Architecture. Politics. Gender. New Perspectives on Her Life and Work* (pp. 44–58). Birkhäuser.

[Link](#)

201 Bauwesen

Schwaiger, W. (2023). Kreditausfälle in der Covid-19-Pandemie: Ontogenes und Entwicklung der “Covid-19-Blase.” In *Resilienz und ganzheitliches Krisenmanagement. Jahrbuch Risikomanagement 2022/23* (Vol. 8, pp. 53–64). Erich Schmidt Verlag. <https://doi.org/10.37307/b.978-3-503-21207-1.04>

[Link](#)

102 Informatik

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Bröthaler, J., Getzner, M., & Mitterer, K. (2023). Schlussfolgerungen für die Mehr-Ebenen-Steuerung zur Bewältigung von Klimaschutz und Klimawandelanpassung. In K. Mitterer, M. Getzner, & J. Bröthaler (Eds.), *Klimaschutz und Klimawandelanpassung im Bundesstaat. Föderale Herausforderungen und Steuerungsansätze* (pp. 165–181). Verlag Österreich.

[Link](#)

502 Wirtschaftswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Arthaber, H. (2023). Field-Based Description of Propagation on Waveguides. In *Fundamentals of RF and Microwave Techniques and Technologies* (pp. 335–483). Springer Nature Switzerland AG. https://doi.org/10.1007/978-3-030-94100-0_5

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Cervenka, J., Kosik, R., Vasicek, M.-T., Gritsch, M., Selberherr, S., & Grasser, T. (2023). Macroscopic Transport Models for Classical Device Simulation. In M. Rudan, R. Brunetti, & S. Reggiani (Eds.), *Springer Handbook of Semiconductor Devices* (pp. 1335–1381). Springer. https://doi.org/10.1007/978-3-030-79827-7_37

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

van Berlo, L., & Fischer, S. (2023). IDS – Information Delivery Specification. In C. C. Eichler, C. Schranz, T. Krischmann, & H. Urban (Eds.), *BIMcert Handbuch?: Grundlagenwissen openBIM*. Ausgabe 2023 (pp. 102–115). Mironde-Verlag. <https://doi.org/10.34726/4843>

[Link](#)

201 Bauwesen

van Berlo, L., & Fischer, S. (2023). IDS – Information Delivery Specification. In C. C. Eichler, C. Schranz, T. Krischmann, & H. Urban (Eds.), *BIMcert Handbuch?: Basic Knowledge openBIM*. Edition 2023 (pp. 98–111). Mironde-Verlag. <https://doi.org/10.34726/5181>

[Link](#)

201 Bauwesen

Ludwig, M. (2023). Geometric valuation theory. In A. Hujdurovic, K. Kutnar, D. Marusic, S. Miklavic, T. Pisanski, & P. Sparl (Eds.), *European Congress of Mathematics* (pp. 93–123). EMS Press. <https://doi.org/10.4171/8ecm/25>

[Link](#)

101 Mathematik

Güntner, S. A., Hauser, J., Lehner, J., & Reinprecht, C. (2023). The Social in Social Housing. Introductory Remarks on a Complex and Fluid Debate. In S. A. Güntner, J. Hauser, J. Lehner, & C. Reinprecht (Eds.), *The Social Dimension of Social Housing* (pp. 12–33). Spector Books.

[Link](#)

201 Bauwesen

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Vujovic, M., & Stojanovic, D. (2023). Human-Building Interaction: Sensing Technologies and Design. In M. U. Hensel, D. Sunguroglu Hensel, C. R. Binder, & F. Ludwig (Eds.), *Introduction to Designing Environments: Paradigms & Approaches* (pp. 209–226). Springer International Publishing. https://doi.org/10.1007/978-3-031-34378-0_11

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Kevdzija, M., & Marquardt, G. (2023). Mobility, independence, and spatial distance in rehabilitation centres for stroke. In *Building Health and Wellbeing* (pp. 139–163). Routledge. <https://doi.org/10.1201/9781003344711-7>

[Link](#)

201 Bauwesen

David, A., Bednar, T., Leeb, M., & Schöberl, H. (2023). Planung, Ausführung und Betriebserfahrung eines Plus-Energie-Bürohochhauses. In Nabil. A. Fouad (Ed.), *Bauphysik-Kalender 2023: Schwerpunkt: Nachhaltigkeit* (pp. 551–593). Ernst & Sohn, A Wiley-Brand. <https://doi.org/10.1002/9783433611289.ch16>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gartner, G. (2023). Location Matters?: Trends in location-based services. In A. Kent & D. Specht (Eds.), *The Routledge Handbook of Geospatial Technologies and Society* (pp. 331–342). Routledge. <https://doi.org/10.4324/9780367855765-28>

[Link](#)

102 Informatik
105 Geowissenschaften
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Resch, G., Schöniger, F., Hasengst, F., Suna, D., Totschnig, G., & Sensfuß, F. (2023). Energy system modelling of renewable energy and related energy infrastructure needs. In P. del Rio & M. Ragwitz (Eds.), *Handbook on the economics of renewable energy* (pp. 41–76). Edward Elgar Publishing. <https://doi.org/10.4337/9781800379022.00008>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Gebeshuber, I.-C. (2023). Rechnen. In M. Herder (Ed.), *Was kommt. Was geht. Was bleibt.?: Kluge Texte über die wichtigsten Fragen unserer Zeit* (pp. 374–380). Herder.

[Link](#)

103 Physik, Astronomie

Frey, H., Brezina, T., & Emberger, G. (2023). Kapitel 6. Mobilität. In C. Görg, V. Madner, A. Muhar, A. Novy, A. Posch, K. Steininger, & E. Aigner (Eds.), *APCC Special Report: Strukturen für ein klimafreundliches Leben* (pp. 271–284). Springer Spektrum. https://doi.org/10.1007/978-3-662-66497-1_10

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Gebeshuber, I.-C. (2023). Slime mould. In S. Winter (Ed.), *The psyche of the earth is a glowing pudding* (pp. 132–134).

[Link](#)

103 Physik, Astronomie

Putzu, A. (2023). Una casa all’Italiana?: The emergence of the vernacular. In M. Obrist & A. Putzu (Eds.), *The Last Grand Tour?: Contemporary Phenomena and Strategies of Living in Italy* (pp. 336–338). Park Books.

[Link](#)

201 Bauwesen

Obrist, M., Putzu, A., & Ciorra, P. (2023). Reflections on contemporality?: Michael Obrist and Antonietta Putzu in conversation with Pippo Ciorra. In M. Obrist & A. Putzu (Eds.), *The Last Grand Tour?: Contemporary Phenomena and Strategies of Living in Italy* (pp. 32–39). Park Books.

[Link](#)

201 Bauwesen

Obrist, M., Putzu, A., Ragazzi, L., & Hofer, G. (2023). Italy: Love it, or Leave it?: Michael Obrist and Antonietta Putzu in conversation with Luca Ragazzi and Gustav Hofer. In M. Obrist & A. Putzu (Eds.), *The Last Grand Tour?: Contemporary Phenomena and Strategies of Living in Italy* (pp. 43–45). Park Books.

[Link](#)

201 Bauwesen

Obrist, M., Putzu, A., & Pettena, G. (2023). On the road?: Michael Obrist and Antonietta Putzu in conversation with Gianni Pettena. In M. Obrist & A. Putzu (Eds.), *The Last Grand Tour?: Contemporary Phenomena and Strategies of Living in Italy* (pp. 56–64). Park Books.

[Link](#)

201 Bauwesen

Gebeshuber, I.-C. (2023). Slime log n° 7 (excerpt). In S. Winter (Ed.), *The psyche of the earth is a glowing*

pudding (pp. 135–139). Salon Hybrid.

[Link](#)

103 Physik, Astronomie

Gebeshuber, I.-C. (2023). Entangled Bodies. In S. Winter (Ed.), *The psyche of the Earth is a glowing pudding* (pp. 152–154). Salon Hybrid.

[Link](#)

103 Physik, Astronomie

Gebeshuber, I.-C. (2023). Schleimprotokoll N° 7 (Auszug). In S. Winter (Ed.), *The psyche of the Earth is a glowing pudding* (pp. 167–170). Salon Hybrid.

[Link](#)

103 Physik, Astronomie

Gebeshuber, I.-C. (2023). Schleimpilz. In S. Winter (Ed.), *The psyche of the Earth is a glowing pudding* (pp. 177–177). Salon Hybrid.

[Link](#)

103 Physik, Astronomie

Gebeshuber, I.-C. (2023). Entangled Bodies. In S. Winter (Ed.), *The psyche of the Earth is a glowing pudding* (pp. 179–179). Salon Hybrid.

[Link](#)

103 Physik, Astronomie

Plakolm, S. (2023). Else Hofmann: eine arrivierte Kunstpublizistin. In E. Shapira & A.-K. Rossberg (Eds.), *Gestalterinnen?: Frauen, Design und Gesellschaft im Wien der Zwischenkriegszeit* (pp. 194–212).

DeGruyter. <https://doi.org/10.1515/9783110771947-013>

[Link](#)

604 Kunstwissenschaften

Novy, A., Haderer, M., Kubezko, K., Aigner, E., Bärnthaler, R., Brand, U., Brudermann, T., Daniel, A., Exner, A., Fankhauser, J., Getzner, M., Görg, C., Jonas, M., Ohndorf, M., Ornetzeder, M., Plank, L., Schinko, T., Schlitz, N., Strüver, A., & Tödting, F. (2023). Kapitel 2. Perspektiven zur Analyse und Gestaltung von Strukturen klimafreundlichen Lebens. In C. Görg, V. Madner, A. Muhar, A. Novy, A. Posch, K. Steininger, & E. Aigner (Eds.), *APCC Special Report: Strukturen für ein klimafreundliches Leben* (pp. 195–213). Springer Spektrum. https://doi.org/10.1007/978-3-662-66497-1_6

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Novy, A., Kubezko, K., Haderer, M., Bärnthaler, R., Brand, U., Brudermann, T., Antje, D., Exner, A., Getzner, M., Görg, C., Jonas, M., Ohndorf, M., Ornetzeder, M., Plank, L., Schinko, T., Schlitz, N., Strüver, A., & Tödting, F. (2023). Kapitel 24. Theorien des Wandels und der Gestaltung von Strukturen. In C. Görg, V. Madner, A. Muhar, A. Novy, A. Posch, K. Steininger, & E. Aigner (Eds.), *APCC Special Report: Strukturen für ein klimafreundliches Leben* (pp. 651–652). Springer Spektrum. https://doi.org/10.1007/978-3-662-66497-1_28

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Novy, A., Brudermann, T., Fankhauser, J., Getzner, M., & Ohndorf, M. (2023). Kapitel 25. Theorien des Wandels und der Gestaltung von Strukturen: Marktperspektive. In C. Görg, V. Madner, A. Muhar, A. Novy, A. Posch, K. Steininger, & E. Aigner (Eds.), *APCC Special Report: Strukturen für ein*

klimafreundliches Leben (pp. 653–662). Springer Spektrum. https://doi.org/10.1007/978-3-662-66497-1_29

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Aigner, E., Görg, C., Madner, V., Muhar, A., Posch, A., Steininger, K., Bohunovsky, L., Essletzbichler, J., Fischer, K., Frey, H., Haas, W., Haderer, M., Hofbauer, J., Hollaus, B., Jany, A., Keller, L., Krisch, A., Kubeczko, K., Miess, M., ... Wieser, H. (2023). Summary for Policymakers. In C. Görg, V. Madner, A. Muhar, A. Novy, A. Posch, K. Steininger, & E. Aigner (Eds.), APCC Special Report: Strukturen für ein klimafreundliches Leben (pp. 19–33). Springer Spektrum. https://doi.org/10.1007/978-3-662-66497-1_2

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Aigner, E., Görg, C., Krisch, A., Madner, V., Muhar, A., Novy, A., Posch, A., Steininger, K. W., Bohunovsky, L., Essletzbichler, J., Fischer, K., Frey, H., Haas, W., Haderer, M., Hofbauer, J., Hollaus, B., Jany, A., Keller, L., Kubeczko, K., ... Wieser, H. (2023). Technische Zusammenfassung. In C. Görg, V. Madner, A. Muhar, A. Novy, A. Posch, K. Steininger, & E. Aigner (Eds.), APCC Special Report: Strukturen für ein klimafreundliches Leben (pp. 35–104). Springer Spektrum. https://doi.org/10.1007/978-3-662-66497-1_3

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Aigner, E., Görg, C., Krisch, A., Madner, V., Muhar, A., Novy, A., Posch, A., Steininger, K., Bohunovsky, L., Essletzbichler, J., Fischer, K., Frey, H., Haas, W., Haderer, M., Hofbauer, J., Hollaus, B., Jany, A., Keller, L., Kubeczko, K., ... Wieser, H. (2023). Technical Summary. In C. Görg, V. Madner, A. Muhar, A. Novy, A. Posch, K. Steininger, & E. Aigner (Eds.), APCC Special Report?: Strukturen für ein klimafreundliches Leben (pp. 105–170). Springer Spektrum. https://doi.org/10.1007/978-3-662-66497-1_4

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Kubin, S. J. (2023). Camillo Sitte und die geflügelte Schnecke – Einblicke in den Entstehungsweg eines Universalgelehrten. In C. Monschein, E. Steiner, & A. Zeininger (Eds.), *stadt?: Camillo Sitte 1843 - 1883 - 1903* (pp. 63–72). Muery Salzmann.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

601 Geschichte, Archäologie

Selberherr, S., & Sverdlov, V. (2023). Technology Computer-Aided Design: A Key Component of Microelectronics' Development. In A. Nathan, S. K. Saha, & R. M. Todi (Eds.), *75th Anniversary of the Transistor* (pp. 337–347). Wiley. <https://doi.org/10.1002/9781394202478.ch28>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Getzner, M., Güntner, S., Kevdzija, M., Knierbein, S., Renner, A.-T., & Semlitsch, E. (2023). Soziale Infrastrukturen. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol.

9, pp. 1–8). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_0

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Dersch, P. (2023). Soziokulturelle Infrastrukturen als Teil der Alltagsökonomie am Beispiel Innerfavoriten. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 9–32). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_1

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Schindelegger, A. (2023). Soziale Infrastrukturen in der Flächenwidmungsplanung. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 33–47). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_2

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Bernhardt, H. (2023). Solidarisch Wohnraum planen. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 49–70). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_3

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Heibroock, R., & Lenz, M. (2023). Zur Bedeutung der Karlsruher Wohnraumakquise als De-Labeling-Strategie für die soziale Infrastruktur. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 71–88). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_4

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Harather, K., Tielsch, K. K., & Schwaderer, C. (2023). BiB-Lab / Innovationslabor für Bildungsräume in Bewegung. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 89–116). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_5

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J., & Schwaiger, W. (2023). Activity Based Product Carbon Footprint Measurement with the 3-Levers of Emission Control (3-LoEC)-Metrics?: Product GHG inventory connects energy consumption & procurement data with Activity Based Costing (ABC) data. In W. Posch, S. Vorbach, H. Zsifkovits, & G. Feichtinger (Eds.), *Erfolg durch nachhaltiges Energie- und Ressourcenmanagement* (Vol. 10, pp. 135–151). Nomos.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Schwaderer, C. (2023). Gender Planning im Schulbau. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 117–137). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_6

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Peer, C., & Semlitsch, E. (2023). Lernen im Stadtteil. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 139–175). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_7

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Steinbrunner, B., Schartmüller, L., & Stumfol, I. (2023). Das Einfamilienhaus als (raumplanerische) Herausforderung. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 177–196). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_8

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Schicker, R. (2023). 150 Jahre „Große Pläne“ für Wien. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 197–229). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_9

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Banabak, S., Kalasek, R., Pühringer, F., Zhang, Y., & Suitner, J. (2023). Are cities drivers of pandemics? In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 231–245). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_10

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Peck, O. (2023). Aktive Mobilität in der Straßenverkehrsordnung. In G. Baumgartner (Ed.), *Öffentliches Recht Jahrbuch 2023* (pp. 231–257). NWV im Verlag Österreich.

[Link](#)

505 Rechtswissenschaften

Pfanner, B. (2023). City Shifting. In M. Getzner, S. A. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 247–276). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_11

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Getzner, M. (2023). Verhaltensökonomische Perspektiven auf die (trotz ihrer Unsicherheiten unbedingt notwendige) evidenzbasierte Planung. In M. Getzner, S. Güntner, M. Kevdzija, S. Knierbein, A.-T. Renner, & E. Semlitsch (Eds.), *Planung und räumliche Wirkungen von sozialen Infrastrukturen: Jahrbuch Raumplanung 2023* (Vol. 9, pp. 277–292). TU Wien Academic Press. https://doi.org/10.34727/2023/isbn.978-3-85448-059-4_12

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J., Leitner-Hanetseder, S., & Eisl, C. (2023). Sustainable Performance Measurement under the New European Regulation for Corporate Sustainability Reporting: What Will Be the Impact of the European Sustainability Reporting Standards (Beyond New KPIs)? In J. Dyczkowska (Ed.), *Sustainable Performance in Business Organisations and Institutions: Measurement, Reporting and Management* (pp. 41–55). Publishing House of Wrocław University of Economics and Business. <https://doi.org/10.15611/2023.83.1.02>

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Kolisnyk, M., Jantsch, A., Zseby, T., & Kharchenko, V. (2023). Markov Model of PLC Availability Considering Cyber-Attacks in Industrial IoT. In C. van Gulijk, E. Zaitseva, & M. Kvassay (Eds.), *Reliability Engineering and Computational Intelligence for Complex Systems?: Design, Analysis and Evaluation* (Vol. 496, pp. 61–78). Springer. https://doi.org/10.1007/978-3-031-40997-4_5

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Baumüller, J., & Leitner-Hanetseder, S. (2023). Accounting for a Green Economy?: Sustainable Finance and the Harmonisation of Sustainability Reporting. In O. Lehner, T. Harrer, H. Silvola, & O. Weber (Eds.), *The Routledge Handbook of Green Finance* (pp. 23–40). Routledge. <https://doi.org/10.4324/9781003345497-4>

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Haselsteiner, E., Frey, H., Laa, B., Madner, V., & Tschokert, L.-M. (2023). Vertical URBAN Factory – Neue vertikale STADT-Fabriken. In S. Gärtner & K. Meyer (Eds.), *Die Produktive Stadt. (Re-) Integration der Urbanen Produktion* (pp. 245–262). Springer Spektrum. https://doi.org/10.1007/978-3-662-66771-2_13

[Link](#)

201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung

Svanda, N., & Zech, S. (2023). Raumplanung. In C. Görg, V. Madner, A. Muhar, A. Novy, A. Posch, K. Steininger, & E. Aigner (Eds.), *APCC Special Report?: Strukturen für ein klimafreundliches Leben* (pp. 529–546). Springer Spektrum. https://doi.org/10.1007/978-3-662-66497-1_23

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung

Shibayama, T. (2023). Public Transport in Vienna and Tokyo Amid and After the COVID-19 Pandemic. In B. Rief-Vernay & I. Mach (Eds.), *How Pandemics Shape the Metropolitan Space. Impact of COVID-19 on Urban Development in Vienna and Tokyo* (Vol. 17, pp. 115–140). LIT Verlag.

[Link](#)

201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung

Güntner, S. A., Hamedinger, A., Witthöft, G., & Barning, L. (2023). Spatial planning science for the socio-ecological transformation. In T. Dillinger, M. Getzner, A. Kanonier, & S. Zech (Eds.), *The Colours of Spatial Planning?: Perspectives from the TU Wien's Research Units* (pp. 82–91). Verlag Österreich. <https://doi.org/10.37942/9783708341514-006>

[Link](#)

502 Wirtschaftswissenschaften
504 Soziologie
507 Humangeographie, Regionale Geographie, Raumplanung

Hensel, M. U., & Sunguroglu Hensel, D. (2023). Architectures of the Critical Zone: Architecture and Environment Integration en Route to Designing Environments. In M. U. Hensel, D. Sunguroglu Hensel, C. Binder, & F. Ludwig (Eds.), *Introduction to Designing Environments?: Paradigms & Approaches* (Vol. 1, pp. 183–207). Springer. https://doi.org/10.1007/978-3-031-34378-0_10

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Kosch, T., Knierim, P., Kritzler, M., Beicht, D., & Michahelles, F. (2023). Lenssembly: Authoring Assembly Instructions in Augmented Reality Using Programming-by-Demonstration. In C. Röcker & S. Büttner (Eds.), *Human-Technology Interaction?: Shaping the Future of Industrial User Interfaces* (pp. 199–222). Springer. https://doi.org/10.1007/978-3-030-99235-4_8

[Link](#)

101 Mathematik

102 Informatik

Segura, N. J., Pichler, B., & Hellmich, C. (2023). Influence Tensors for the Analytical Mechanics of Anisotropic Eigenstressed Composites with Inclusions of Various Shapes and Orientations. In H. Altenbach, H. Irschik, & A. Porubov (Eds.), *Progress in Continuum Mechanics* (Vol. 196, pp. 215–242). Springer. https://doi.org/10.1007/978-3-031-43736-6_14

[Link](#)

103 Physik, Astronomie

201 Bauwesen

Dannenberg, P., & Sielker, F. (2023). Die Belt and Road Initiative – Die neue Seidenstraße von China nach Duisburg. In S. Hardaker & P. Dannenberg (Eds.), *China?: Geographien einer Weltmacht* (pp. 445–453). Springer. https://doi.org/10.1007/978-3-662-66560-2_46

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Waltersdorfer, L., Breit, A., Ekaputra, F. J., Sabou, M., Ekelhart, A., Iana, A., Paulheim, H., Portisch, J., Revenko, A., ten Teije, A., & van Harmelen, F. (2023). Semantic Web Machine Learning Systems: An Analysis of System Patterns. In P. Hitzler, K. Sarker, & A. Eberhart (Eds.), *Compendium of Neurosymbolic Artificial Intelligence* (Vol. 369, pp. 77–99). IOS Press. <https://doi.org/10.3233/FAIA230136>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Sanchez Romero, M., & Prskawetz, A. (2023). Social Security Reforms in Heterogeneous Ageing Populations. In D. E. Bloom, A. Sousa-Poza, & U. Sunde (Eds.), *The Routledge Handbook of the Economics of Ageing* (pp. 199–216). Routledge. <https://doi.org/10.4324/9781003150398-13>

[Link](#)

101 Mathematik

502 Wirtschaftswissenschaften

Prado Lopez, S. (2023). Single-Cell Sequencing in Cancer Research: Challenges and Opportunities. In N. Rezaei (Ed.), *Handbook of Cancer and Immunology: Vol. Cham* (pp. 1–28). https://doi.org/10.1007/978-3-030-80962-1_143-1

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Knierbein, S. (2023). Cities under pressure: urban democracy and everyday life. In J. Portugali (Ed.), *The Crisis of Democracy in the Age of Cities* (pp. 185–203). Edward Elgar Publishing.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung
604 Kunstwissenschaften

Peer, C., & Psenner, A. (2023). Gastexpertise zum Schwerpunktthema Nutzungsmischung. In F. Bentlin & L. Behrend (Eds.), *HOW2KIEZ: Nachhaltige Quartiersentwicklung* (pp. 76–79). Berlin Universities Publishing. <https://doi.org/10.34726/5303>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Psenner, A. (2023). Funktional-ästhetische Ansprüche an das Stadtparterre – oder – das Parterre als Seismograph für die Schönheit der Stadt? In K. Semsroth, M. Schwarz, & S. J. Kubin (Eds.), *Über die „Schönheit“ der Stadt. Geschichte, Wahrnehmung, Wandlungen* (Vol. 16, pp. 221–236). LIT Verlag. <https://doi.org/10.34726/5337>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Knauer, B. (2023). Denkmale in historischen Stadtkarten. Kartierung von Werten aus der Perspektive von Denkmalpflege und Stadtplanung. In C. M. Enss & B. Knauer (Eds.), *Atlas Kriegsschadenskarten Deutschland?: Stadtkartierung und Heritage Making im Wiederaufbau um 1945* (pp. 48–57). Birkhäuser Verlag GmbH. <https://doi.org/10.1515/9783035625011-006>

[Link](#)

201 Bauwesen

601 Geschichte, Archäologie

604 Kunstwissenschaften

Knauer, B. (2023). Definition und Transformation von Erbe im Rahmen der Wiederaufbauplanung. Ein Blick auf Leipzig und Nürnberg. In C. M. Enss & B. Knauer (Eds.), *Atlas Kriegsschadenskarten Deutschland?: Stadtkartierung und Heritage Making im Wiederaufbau um 1945* (pp. 66–79). Birkhäuser Verlag GmbH. <https://doi.org/10.1515/9783035625011-008>

[Link](#)

201 Bauwesen

601 Geschichte, Archäologie

604 Kunstwissenschaften

Pichler, C. (2023). Role of Co-catalysts for Photocatalytic H₂O Splitting and CO₂ Reduction. In S. Ghosh & Q. Wang (Eds.), *Recent Developments in Functional Materials for Artificial Photosynthesis* (pp. 231–274). Royal Society of Chemistry.

[Link](#)

103 Physik, Astronomie

Beigelbeck, R., & Mang, H. (2023). Fritz Paschke - Nachruf. In *Almanach der Österreichischen Akademie der Wissenschaften*, 172. Jahrgang (Vol. 172, pp. 331–335). Österreichische Akademie der Wissenschaften.

[Link](#)

201 Bauwesen

Mang, H. (2023). Manfred Wicke - Nachruf. In *Almanach der Österreichischen Akademie der Wissenschaften*, 172. Jahrgang (Vol. 172, pp. 359–362). Österreichische Akademie der Wissenschaften.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Steindl, A. (2023). Normal Forms. In J. R. C. Piqueira, C. Mazzilli, C. Pesce, & G. Franzini (Eds.),

Lectures on Nonlinear Dynamics (pp. 57–104). Springer. https://doi.org/10.1007/978-3-031-45101-0_3

[Link](#)

101 Mathematik

Deshouillers, J.-M., Drmota, M., & Müllner, C. (2023). Coprimality of Consecutive Elements in a Piatetski-Shapiro Sequence. In H. Maier, J. Steuding, & R. Steuding (Eds.), *Number Theory in Memory of Eduard Wirsing* (pp. 91–98). Springer. https://doi.org/10.1007/978-3-031-31617-3_7

[Link](#)

101 Mathematik

Rief-Vernay, B. (2023). The Pandemic as a Driver of Urban Flight? A Study on the Vienna Metropolitan Area. In B. Rief-Vernay & I. Mach (Eds.), *How Pandemics Shape the Metropolitan Space. Impact of COVID-19 on Urban Development in Vienna and Tokyo* (Vol. 17, pp. 23–40). LIT Verlag.

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Ramm, S. J. (2023). Fluide Architektur. In H. Geiger, S. J. Ramm, & J. Stalter (Eds.), *Fluidität* (Vol. 4, pp. 51–67). Open Publishing LMU. <https://doi.org/10.5282/ubm/epub.105066>

[Link](#)

102 Informatik

201 Bauwesen

Heuer, R., & El Chabaan, G. (2023). Nonlinear Vibrations of Bimodular Continua by Means of Isogeometric Analysis. In H. Altenbach, H. Irschik, & A. Porubov (Eds.), *Progress in Continuum Mechanics* (Vol. 196, pp. 191–200). Springer. https://doi.org/10.1007/978-3-031-43736-6_12

[Link](#)

201 Bauwesen

Oevermann, H., & Rung, H. M. (2023). Erhalten beginnt im städtebaulichen Diskurs. In A. Putz & H. M. Rung (Eds.), *HochhausBestand: Bürogebäude der 1950er- und 60er-Jahre* (pp. 19–30). Detail. <https://doi.org/10.11129/9783955536169-003>

[Link](#)

201 Bauwesen

Gallay, M., Kanuk, J., Zraggen, C., Imbach, B., Šašak, J., Šupinský, J., & Hollaus, M. (2023). Unpiloted Airborne Laser Scanning of a Mixed Forest. In J. Meneely (Ed.), *3D Imaging of the Environment?: Mapping and Monitoring* (pp. 114–126). CRC Press.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kubin, S. J. (2023). „Der Städtebau nach seinen wissenschaftlichen und sozialen Grundsätzen.“ Einblicke in den verschollenen zweiten Band Camillo Sittes. In K. Semsroth, M. Schwarz, & S. J. Kubin (Eds.), *Über die „Schönheit“ der Stadt, Geschichte, Wahrnehmung, Wandlungen* (Vol. 16, pp. 207–220). LIT.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Ludwig, M., & Mussnig, F. (2023). Valuations on Convex Bodies and Functions. In A. Colesanti & M. Ludwig (Eds.), *Convex Geometry?: Cetraro, Italy 2021* (Vol. 2332, pp. 19–78). Springer. https://doi.org/10.1007/978-3-031-37883-6_2

[Link](#)

101 Mathematik

Steindl, A., Buchta, R., Ruttmann, M., & Vetyukov, Y. (2023). Numerical Investigations of Large Amplitude Oscillations of Planar Parametrically Excited Beams. In H. Altenbach, H. Irschik, & A. V. Porubov (Eds.), *Progress in Continuum Mechanics* (Vol. 196, pp. 411–428). Springer. https://doi.org/10.1007/978-3-031-43736-6_24

[Link](#)

101 Mathematik

203 Maschinenbau

Forster, J., Bindreiter, S., & Buschmann, I. (2023). Planning experiments - establishment of high quality living standards for a broad range of people. In I. L. Rodrigues, D. Shach-Pinsly, K. Tsiambaos, & V. P. Korobar (Eds.), *Working Group 1, MCMH Atlas?: European Middle-Class Mass Housing: Past and Present of the Modern Community* (pp. 45–51). DINÂMIA'CET-Iscte.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Gerhold, S., Jacquier, A., & Rosenbaum, M. (2023). Rough Heston. In C. Bayer, P. K. Friz, M. Fukasawa, J. Gatheral, A. Jacquier, & M. Rosenbaum (Eds.), *Rough volatility* (pp. 83–101). SIAM. <https://doi.org/10.1137/1.9781611977783.ch4>

[Link](#)

101 Mathematik

502 Wirtschaftswissenschaften

Denzler, P., & Kastner, W. (2023). Reference Architectures for Closing the IT/OT Gap. In B. Vogel-Heuser & M. Wimmer (Eds.), *Digital Transformation?: Core Technologies and Emerging Topics from a Computer Science Perspective* (pp. 95–123). Springer Vieweg. https://doi.org/10.1007/978-3-662-65004-2_4

[10.1007/978-3-662-65004-2_4](https://doi.org/10.1007/978-3-662-65004-2_4)

[Link](#)

102 Informatik

Langer, M., & Woracek, H. (2023). Direct and Inverse Spectral Theorems for a Class of Canonical Systems with Two Singular Endpoints. In I. Binder, D. Kinzebulatov, & J. Mashreghi (Eds.), *Function Spaces, Theory and Applications* (Vol. 87, pp. 105–205). Springer. https://doi.org/10.1007/978-3-031-39270-2_5

[10.1007/978-3-031-39270-2_5](https://doi.org/10.1007/978-3-031-39270-2_5)

[Link](#)

101 Mathematik

Voigt, A. (2023). Local Planning: municipalities as spatial research labs. In T. Dillinger, M. Getzner, A. Kanonier, & S. Zech (Eds.), *The Colours of Spatial Planning?: Perspectives from the TU Wien's Research Units* (pp. 57–67). Verlag Österreich. <https://doi.org/10.37942/9783708341514-004>

<https://doi.org/10.37942/9783708341514-004>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Grossmann, W., Sertkan, M., Neidhardt, J., & Werthner, H. (2023). Pictures as a tool for matching tourist preferences with destinations. In M. Augstein, E. Herder, & W. Wörndl (Eds.), *Personalized Human-Computer Interaction* (pp. 337–354). De Gruyter Oldenbourg. <https://doi.org/10.1515/9783110988567-013>

[10.1515/9783110988567-013](https://doi.org/10.1515/9783110988567-013)

[Link](#)

102 Informatik

Knees, P., Neidhardt, J., & Nalis-Neuner, I. (2023). Recommender Systems: Techniques, Effects, and Measures Toward Pluralism and Fairness. In H. Werthner, C. Ghezzi, & J. Kramer (Eds.), *Introduction to Digital Humanism?: A Textbook* (pp. 417–434). Springer. https://doi.org/10.1007/978-3-031-45304-5_27

[Link](#)

102 Informatik

Mörtenböck, P., & Mooshammer, H. (2023). Incorporating Informality. In P. Mörtenböck & H. Mooshammer (Eds.), *In/formal Marketplaces: Experiments with Urban Reconfiguration* (pp. 9–52). nai010 publishers.

[Link](#)

201 Bauwesen

604 Kunstwissenschaften

605 Andere Geisteswissenschaften

Svozil, K. (2023). The Emergence of Cognition and Computation: A Physicalistic Perspective. In T. Veloz, A. Khrennikov, B. Toni, & R. Castillo (Eds.), *Trends and Challenges in Cognitive Modeling: An Interdisciplinary Approach Towards Thinking, Memory, and Decision-Making Simulations* (pp. 85–99). Springer International Publishing. https://doi.org/10.1007/978-3-031-41862-4_7

[Link](#)

103 Physik, Astronomie

Baumüller, J. (2023). Kein Geld ohne Nachhaltigkeit. In K. Sigl (Ed.), *Nachhaltigkeit und Digitalisierung – (k)ein unternehmerisches Dilemma?: Zukunftsbilder und Impulsberichte* (pp. 75–84). Springer Gabler. https://doi.org/10.1007/978-3-662-66815-3_9

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Baumüller, J. (2023). Zukunftsbild Industrie: Digitalisierung als Schlüssel in die Zukunft „nach Corona“. In K. Sigl (Ed.), *Nachhaltigkeit und Digitalisierung – (k)ein unternehmerisches Dilemma?: Zukunftsbilder und Impulsberichte* (pp. 217–224). Springer Gabler. https://doi.org/10.1007/978-3-662-66815-3_23

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Sigl, K., & Baumüller, J. (2023). Impulsinterview Industrie: Wenn Nachhaltigkeit zum Gamechanger wird. In K. Sigl (Ed.), *Nachhaltigkeit und Digitalisierung – (k)ein unternehmerisches Dilemma?: Zukunftsbilder und Impulsberichte* (pp. 235–243). SpringerGabler. https://doi.org/10.1007/978-3-662-66815-3_25

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Knees, P., Schedl, M., Ferwerda, B., & Laplante, A. (2023). Listener awareness in music recommender systems: directions and current trends. In M. Augstein, E. Herder, & W. Wörndl (Eds.), *Personalized Human-Computer Interaction* (pp. 279–312). DeGruyter Oldenbourg. <https://doi.org/10.1515/9783110988567-011>

[Link](#)

102 Informatik

Widmann, R., Stadlmann, B., Mailer, M., Bursa, B., & Rüger, B. (2023). Einführung neuer Gepäckservices zur Qualitätssteigerung und Fahrtenreduktion in der Feinverteilung im Ötztal - Projekt ULTIMOB. In U. Brunner, M. Prandstetter, G. Reiner, Starkl Friedrich, S. Stein, & T. Wakolbinger (Eds.), *Jahrbuch der Logistikforschung. Innovative Anwendungen, Konzepte & Technologien* (pp. 119–130). Trauner Verlag.

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Schaar, H., Kreuzinger, N., Kohlgrüber, V., Stepkes, H., Wieland, A., Schachtler, M., Russell, J., Reiter, M., Launay, M., Mauritz, A., Schölzel, S., Egli, C., Thalmann, U., Hübner, U., & Krampe, J. (2023). Removal of Organic Micropollutants from Urban Wastewater. In J. Lahnsteiner (Ed.), *Handbook of Water and Used Water Purification* (pp. 1–36). Springer. https://doi.org/10.1007/978-3-319-66382-1_125-1

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Oevermann, H., & Szemző, H. (2023). What is Open Heritage? In H. Oevermann, L. Polyák, H. Szemző, & H. A. Mieg (Eds.), *Open Heritage?: Community-Driven Adaptive Reuse in Europe: Best Practice* (pp. 158–169). Birkhäuser. <https://doi.org/10.1515/9783035626827-007>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Dillinger, T., Dumke, H., Grinzinger, E., Hirschler, P., Janesch, T. L., Schimak, G., Stumfol, I., Svanda, N., Youssef, D., & Zech, S. (2023). Forever young — 15 years of (t)raum.region. In T. Dillinger, M. Getzner, A. Kanonier, & S. Zech (Eds.), *The Colours of Spatial Planning?: Perspectives from the TU Wien's Research Units* (pp. 93–103). Verlag Österreich. <https://doi.org/10.37942/9783708341514-007>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Kopp, J., & Spadiut, O. (2023). Inclusion Bodies: Status Quo and Perspectives. In J. Kopp & O. Spadiut (Eds.), *Inclusion Bodies?: Methods and Protocols* (Vol. 2617, pp. 1–13). Humana. https://doi.org/10.1007/978-1-0716-2930-7_1

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Bühlmann, V. (2023). Methods and the Comma. In J. Brouwer & S. van Tuinen (Eds.), *Technological Accidents, Accidental Technologies* (pp. 82–117). V2_Publishing.

[Link](#)

604 Kunstwissenschaften

Seidler, S. (2023). digital human zentral: (K)ein Widerspruch? In G. Krause (Ed.), *Die Praxis des Digitalen Humanismus?: Welchen Beitrag Unternehmen dazu leisten und wie sie davon profitieren können* (pp. 255–268). Springer Vieweg. https://doi.org/10.1007/978-3-658-42946-1_18

[Link](#)

102 Informatik

Todt, M., Hartmann, M. A., & Rammerstorfer, F. (2023). Continuum Mechanics Applied for Studying Instabilities in Nanoparticles. In H. Altenbach, H. Irschik, & A. V. Porubov (Eds.), *Progress in Continuum Mechanics* (Vol. 196, pp. 429–456). Springer. https://doi.org/10.1007/978-3-031-43736-6_25

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

211 Andere Technische Wissenschaften

Homberger, A., Ataç, I., Güntner, S. A., & Kirchhoff, M. (2023). Einleitung. In I. Ataç, S. A. Güntner, A. Homberger, & M. Kirchhoff (Eds.), *Lokale Antworten auf aufenthaltsrechtliche Prekarität. Zugänge zu Gesundheitsversorgung, Unterbringung und Bildung* (Vol. 13, pp. 11–15). Verlag Barbara Budrich. <https://doi.org/10.34726/5402>

[Link](#)

504 Soziologie

509 Andere Sozialwissenschaften

Ataç, I., Güntner, S. A., Homberger, A., Kirchhoff, M., Bastick, Z., Mallet-Garcia, M., & Spencer, S. (2023). Lokale Unterstützung für Menschen in aufenthaltsrechtlicher Prekarität – Einführung in das Forschungsprojekt LoReMi. In I. Ataç, S. A. Güntner, A. Homberger, & M. Kirchhoff (Eds.), Lokale Antworten auf aufenthaltsrechtliche Prekarität. Zugänge zu Gesundheitsversorgung, Unterbringung und Bildung (Vol. 13, pp. 19–31). Verlag Barbara Budrich. <https://doi.org/10.34726/5403>

[Link](#)

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

509 Andere Sozialwissenschaften

Homberger, A., & Güntner, S. A. (2023). Wien: Stadt der Menschenrechte – auch für Menschen in aufenthaltsrechtlicher Prekarität? In I. Ataç, S. A. Güntner, A. Homberger, & M. Kirchhoff (Eds.), Lokale Antworten auf aufenthaltsrechtliche Prekarität. Zugänge zu Gesundheitsversorgung, Unterbringung und Bildung (Vol. 13, pp. 58–84). Verlag Barbara Budrich. <https://doi.org/10.34726/5405>

[Link](#)

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

509 Andere Sozialwissenschaften

Güntner, S. A., Ilker Ataç, Homberger, A., Kirchhoff, M., Bastick, Z., Mallet-Garcia, M., & Spencer, S. (2023). Selektiv inklusiv: Lokale Antworten auf aufenthaltsrechtliche Prekarität in Cardiff, Frankfurt am Main und Wien. In I. Ataç, S. A. Güntner, A. Homberger, & M. Kirchhoff (Eds.), Lokale Antworten auf aufenthaltsrechtliche Prekarität Zugänge zu Gesundheitsversorgung, Unterbringung und Bildung (Vol. 13, pp. 109–125). Verlag Barbara Budrich. <https://doi.org/10.34726/5404>

[Link](#)

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

509 Andere Sozialwissenschaften

Güttel, W., & Kleinhanns-Rolle, A. (2023). Orchestrating Leadership Value Chains: Execution, Engagement & Enhancement. In W. Güttel (Ed.), Successful in Turbulent Times. Leadership, Change Management, and Ambidexterity (pp. 79–104). Nomos.

[Link](#)

502 Wirtschaftswissenschaften

Güttel, W., & Kleinhanns-Rolle, A. (2023). Strategic Leadership Levers: Identity, Skills & Effectiveness. In W. Güttel (Ed.), Successful in Turbulent Times. Leadership, Change Management, and Ambidexterity (pp. 105–126). Nomos.

[Link](#)

502 Wirtschaftswissenschaften

Güttel, W., Güttel, C., Kleinhanns-Rolle, A., & Voglmayr, R. (2023). Scientific Leadership Development: Enhancement, Methods & Impact. In W. Güttel (Ed.), Successful in Turbulent Times. Leadership, Change Management, and Ambidexterity (pp. 381–399). Nomos.

[Link](#)

502 Wirtschaftswissenschaften

Aigner, E., Görg, C., Madner, V., Muhar, A., Novy, A., Posch, A., Steininger, K. W., Bohunovsky, L., Essletzichler, J., Fischer, K., Frey, H., Haas, W., Haderer, M., Hofbauer, J., Hollaus, B., Jany, A., Keller, L., Krisch, A., Kubeczko, K., ... Wieser, H. (2023). Zusammenfassung für Entscheidungstragende. In C. Görg, V. Madner, & A. Muhar (Eds.), APCC Special Report: Strukturen für ein klimafreundliches Leben

(pp. 1–17). Springer Spektrum. https://doi.org/10.1007/978-3-662-66497-1_1

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Gebeshuber, I.-C. (2023). Bionisch wirtschaften. In K. Sigl (Ed.), *Nachhaltigkeit und Digitalisierung – (k)ein unternehmerisches Dilemma?: Zukunftsbilder und Impulsberichte* (pp. 31–40). Springer Gabler. https://doi.org/10.1007/978-3-662-66815-3_4

[Link](#)

103 Physik, Astronomie

Feltus, C., Proper, H. A., Metzger, A., & López, J. F. G. (2023). ArchiMate Extension to Value Co-creation: The Smart Airport Case Study. In H. Proper, B. van Gils, & K. Haki (Eds.), *Digital Enterprises?: Service-Focused, Digitally-Powered, Data-Fueled* (pp. 105–133). Springer. https://doi.org/10.1007/978-3-031-30214-5_7

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Gils, B. van, & Proper, H. A. (2023). Next-Generation Enterprise Modeling. In H. Proper, B. van Gils, & K. Haki (Eds.), *Digital Enterprises?: Service-Focused, Digitally-Powered, Data-Fueled* (pp. 279–305). Springer. https://doi.org/10.1007/978-3-031-30214-5_21

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Leifels, M., Lee, W. L., Armas, F., Gu, X., Chandra, F., Cheng, D., Kwok, W. C., Chua, D., Kim, S. Y., Ng, W. J., Nainai, D., Sirikanchana, K., Sozzi, E., Farnleitner, A., Wu, F., Wuertz, S., & Thompson, J. (2023). Surveillance of SARS-CoV-2 in Wastewater at the Population Level: Insights into the Implementation of Non-invasive Targeted Monitoring in Singapore and the USA. In *The Handbook of Environmental Chemistry* (pp. 1–20). Springer. https://doi.org/10.1007/698_2023_988

[Link](#)

106 Biologie

303 Gesundheitswissenschaften

Güttel, W., Guldenberg, S., Klinger, S., & Renzl, B. (2023). Austrian school of management: Strategies, entrepreneurship & evolution. In W. Güttel (Ed.), *Successful in Turbulent Times. Leadership, Change Management, and Ambidexterity* (pp. 355–378). Nomos.

[Link](#)

502 Wirtschaftswissenschaften

601 Geschichte, Archäologie

Gersch, M., Guldenberg, S., Güttel, W., Müller-Seitz, G., Renzl, B., & Schulz, A.-C. (2023). Digital transformation: Digitization, path-design & development. In W. Güttel (Ed.), *Successful in turbulent times. Leadership, change management, and ambidexterity* (pp. 345–354). Nomos.

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Güttel, W., & Konlechner, S. (2023). Strategic Change: Exploration, Exploitation & Ambidexterity. In W. Güttel (Ed.), *Successful in turbulent times. Leadership, change management and ambidexterity* (pp. 271–301). Nomos.

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

Güttel, W., & Müller-Christensen, B. (2023). Human resource architectures: Strategies, HR systems & market dynamics. In W. Güttel (Ed.), *Successful in turbulent times. Leadership, change management and ambidexterity* (pp. 329–344). Nomos.

[Link](#)

501 Psychologie

502 Wirtschaftswissenschaften

504 Soziologie

Putra, R. V. W., & Shafique, M. (2023). A Design Methodology for Energy-Efficient Embedded Spiking Neural Networks. In S. Pasricha & M. Shafique (Eds.), *Embedded Machine Learning for Cyber-Physical, IoT, and Edge Computing?: Use Cases and Emerging Challenges* (pp. 15–35). Springer. https://doi.org/10.1007/978-3-031-39932-9_2

[Link](#)

102 Informatik

Marchisio, A., & Shafique, M. (2023). Embedded Neuromorphic Using Intel's Loihi Processor. In S. Pasricha & M. Shafique (Eds.), *Embedded Machine Learning for Cyber-Physical, IoT, and Edge Computing?: Use Cases and Emerging Challenges* (pp. 137–172). Springer. https://doi.org/10.1007/978-3-031-39932-9_6

[Link](#)

102 Informatik

Prabakaran, B. S., & Shafique, M. (2023). An End-to-End Embedded Neural Architecture Search and Model Compression Framework for Healthcare Applications and Use-Cases. In S. Pasricha & M. Shafique (Eds.), *Embedded Machine Learning for Cyber-Physical, IoT, and Edge Computing?: Use Cases and Emerging Challenges* (pp. 21–43). Springer. https://doi.org/10.1007/978-3-031-40677-5_2

[Link](#)

102 Informatik

Marchisio, A., Hanif, M. A., & Shafique, M. (2023). Adversarial ML for DNNs, CapsNets, and SNNs at the Edge. In S. Pasricha & M. Shafique (Eds.), *Embedded Machine Learning for Cyber-Physical, IoT, and Edge Computing?: Use Cases and Emerging Challenges* (pp. 463–496). Springer. https://doi.org/10.1007/978-3-031-40677-5_18

[Link](#)

102 Informatik

Naseer, M., Bhatti, I. T., Hasan, O., & Shafique, M. (2023). Considering the Impact of Noise on Machine Learning Accuracy. In S. Pasricha & M. Shafique (Eds.), *Embedded Machine Learning for Cyber-Physical, IoT, and Edge Computing?: Use Cases and Emerging Challenges* (pp. 377–394). Springer. https://doi.org/10.1007/978-3-031-40677-5_15

[Link](#)

102 Informatik

Putra, R. V. W., Hanif, M. A., & Shafique, M. (2023). An Off-Chip Memory Access Optimization for Embedded Deep Learning Systems. In S. Pasricha & M. Shafique (Eds.), *Embedded Machine Learning for Cyber-Physical, IoT, and Edge Computing?: Hardware Architectures* (pp. 175–198). Springer. https://doi.org/10.1007/978-3-031-19568-6_6

[Link](#)

102 Informatik

Putra, R. V. W., Hanif, M. A., & Shafique, M. (2023). Massively Parallel Neural Processing Array (MPNA): A CNN Accelerator for Embedded Systems. In S. Pasricha & M. Shafique (Eds.), *Embedded Machine Learning for Cyber-Physical, IoT, and Edge Computing?: Use Cases and Emerging Challenges*

(pp. 3–24). Springer. https://doi.org/10.1007/978-3-031-19568-6_1

[Link](#)

102 Informatik

Giffinger, R., & Kramar, H. (2023). Defining Indicator Systems for Liveable Cities. In L. Fusco Girard, K. Kourtit, & P. Nijkamp (Eds.), *The Future of Liveable Cities* (pp. 31–54). Springer. https://doi.org/10.1007/978-3-031-37466-1_3

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Garmendia, A., Bork, D., Eisenberg, M., Ferreira, T., Kessentini, M., & Wimmer, M. (2023). Leveraging Artificial Intelligence for Model-based Software Analysis and Design. In J. R. Romero, I. Medina-Bulo, & F. Chicano (Eds.), *Optimising the Software Development Process with Artificial Intelligence* (pp. 93–117). https://doi.org/10.1007/978-981-19-9948-2_4

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Güttel, W., Link, K., & Leitner, G. (2023). Leadership in change processes: Sense, motivation & self-organization. In W. Güttel (Ed.), *Successful in turbulent times. Leadership, change management & ambidexterity* (pp. 185–204). Nomos.

[Link](#)

501 Psychologie

502 Wirtschaftswissenschaften

504 Soziologie

Güttel, W. (2023). Influencing behavior: Aspiration level, heuristics & rule regimes. In W. Güttel (Ed.), *Successful in turbulent times. Leadership, change management & ambidexterity* (pp. 237–252).

[Link](#)

501 Psychologie

502 Wirtschaftswissenschaften

503 Erziehungswissenschaften

Güttel, W., & Pichler, O. (2023). Tackling leadership challenges: Sense, scope & sanctions. In W. Güttel (Ed.), *Successful in turbulent times. Leadership, change management & ambidexterity* (pp. 153–164). Nomos. <https://doi.org/10.5771/9783957104328>

[Link](#)

501 Psychologie

502 Wirtschaftswissenschaften

503 Erziehungswissenschaften

Güttel, W., & Kratochvil, R. (2023). Leadership efficacy: Roles, style & prioritization. In W. Güttel (Ed.), *Successful in turbulent times. Leadership, change management and ambidexterity* (pp. 127–152). Nomos.

[Link](#)

501 Psychologie

502 Wirtschaftswissenschaften

504 Soziologie

Konlechner, S., Güttel, W., & Keller, A. (2023). Ambidexterity for continuous change: Forms, operating conditions & organizational learning. In W. Güttel (Ed.), *Successful in turbulent times. Leadership, change management and ambidexterity* (pp. 302–328). Nomos.

[Link](#)

501 Psychologie

502 Wirtschaftswissenschaften
504 Soziologie

Hasenzagl, R., & Güttel, W. (2023). Management Consulting: Types, Opportunities & Limitations. In W. Güttel (Ed.), *Successful in turbulent times. Leadership, change management & ambidexterity* (pp. 205–220). Nomos.

[Link](#)

501 Psychologie
502 Wirtschaftswissenschaften
504 Soziologie

Rosenberg, E., Klampfl, B., & Müller, R. D. (2023). Perspective Chapter: Negative Thermal Gradient Gas Chromatography. In S. Moldoveanu, V. David, & H. V. Dang (Eds.), *Novel Aspects of Gas Chromatography and Chemometrics* (pp. 11–44). IntechOpen. <https://doi.org/10.5772/intechopen.110591>

[Link](#)

104 Chemie
202 Elektrotechnik, Elektronik, Informationstechnik

Carlin, B. N. (2023). Architecture, Behaviour, and Magic?: On the Architect's Design of Forms of Life. In C. Veddeker, J. Kuijper, M. Gath Morad, & I. van der Wal (Eds.), *Future Cities—City Futures. Emerging Urban Perspectives* (pp. 189–198). TU Delft OPEN Publishing.

[Link](#)

201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung

Koncar-Gamulin, L. (2023). Arizona Market: Navigating Change in Brecko's Post-conflict Landscape. In P. Mörtenböck & H. Mooshammer (Eds.), *In/Formal Marketplaces: Experiments with Urban Reconfiguration* (pp. 333–362). nai10 publishers.

[Link](#)

201 Bauwesen
604 Kunstwissenschaften
605 Andere Geisteswissenschaften

Weiss, A., Vrecar, R., Zamiechowska, J., & Purgathofer, P. (2023). It's Only a Bot! How Adversarial Chatbots can be a Vehicle to Teach Responsible AI. In R. Schmidpeter & R. Altenburger (Eds.), *Responsible Artificial Intelligence – Challenges for Sustainable Management* (pp. 235–250). Springer. https://doi.org/10.1007/978-3-031-09245-9_12

[Link](#)

102 Informatik

Lindorfer, M. (2023). The Threat of Surveillance and the Need for Privacy Protections. In H. Werthner, C. Ghezzi, J. Kramer, J. Nida-Rümelin, B. Nuseibeh, E. Prem, & A. Stanger (Eds.), *Introduction to Digital Humanism?: A Textbook* (pp. 593–609). Springer. https://doi.org/10.1007/978-3-031-45304-5_37

[Link](#)

102 Informatik

Schlund, S. (2023). Assistenzsysteme. In O. Riedel, K. Hölzle, S. Schlund, & D. Spath (Eds.), *Handbuch Unternehmensorganisation?: Strategien, Planung, Umsetzung* (pp. 1–16). Springer Vieweg. https://doi.org/10.1007/978-3-642-45370-0_90-1

[Link](#)

102 Informatik
211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Stoiber, C., Wagner, M., Grassinger, F., Pohl, M., Stitz, H., Streit, M., Potzmann, B., & Aigner, W. (2023).

Visualization Onboarding Grounded in Educational Theories. In D. A. Szafir, R. Borgo, & M. Chen (Eds.), *Visualization Psychology* (pp. 139–164). Springer. https://doi.org/10.1007/978-3-031-34738-2_6

[Link](#)

102 Informatik

501 Psychologie

Pohl, M., Haider, J. D., Seidler, P., Kodagoda, N., & Wong, B. L. W. (2023). Analysis of Sensemaking Strategies: Psychological Theories in Practice. In D. A. Szafir, R. Borgo, & D. J. Edwards (Eds.), *Visualization Psychology* (pp. 371–388). Springer. https://doi.org/10.1007/978-3-031-34738-2_15

[Link](#)

102 Informatik

501 Psychologie

Cillero-Pastor, B., Strelci, C., & Turyanskaya, A. (2023). Chemical Imaging in Bone and Cartilage Regeneration. In A. Walter, P. Slezak, & R. Mueller (Eds.), *Bioimaging in Tissue Engineering and Regeneration* (pp. 1–19). Springer. https://doi.org/10.1007/978-3-030-85569-7_14-1

[Link](#)

103 Physik, Astronomie

Maierhofer, M., Temmel, E., Lehner, J., Schelling, K. M., & Benzer, J. (2023). Zur Auseinandersetzung mit der räumlichen Dimension österreichischer Gesundheitspraxis. In M. Maierhofer, E. Temmel, J. Lehner, K. M. Schelling, & L. Benz (Eds.), *Space Anatomy – Die räumliche Dimension österreichischer Gesundheitspraxis* (pp. 7–14). Jovis. <http://hdl.handle.net/20.500.12708/153119>

[Link](#)

201 Bauwesen

305 Andere Humanmedizin, Gesundheitswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Obrist, M., & Putzu, A. (2023). The Last Grand Tour. In M. Obrist & A. Putzu (Eds.), *The Last Grand Tour?: Contemporary Phenomena and Strategies of Living in Italy* (pp. 12–13). Park Books.

[Link](#)

201 Bauwesen

Linzer, H., & Tschirk, W. (2023). Planen und Vermitteln, Lernen und Forschen. Räumliche Entwicklungsplanung zwischen Theorie und Planungspraxis. In H. Linzer, W. Tschirk, & E. Biberich (Eds.), *Trofaiach?: Integrierte Stadtentwicklung für einen Ort des Miteinanders* (pp. 10–12).

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Hensel, M. U., & Sunguroglu Hensel, D. (2023). Introduction to Designing Environments. In M. U. Hensel, D. Sunguroglu Hensel, C. Binder, & F. Ludwig (Eds.), *Introduction to Designing Environments?: Paradigms & Approaches* (Vol. 1, pp. 1–9). Springer. https://doi.org/10.1007/978-3-031-34378-0_1

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Oevermann, H., Szemző, H., Polyák, L., & Mieg, H. A. (2023). Introduction. In H. Oevermann, L. Polyák, H. Szemző, & H. A. Mieg (Eds.), *Open Heritage?: Community-Driven Adaptive Reuse in Europe: Best Practice* (pp. 8–11). Birkhäuser. <https://doi.org/10.1515/9783035626827-001>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Knierbein, S. (2023). Preface. In C. Crijns (Ed.), *Architecture in Times of Multiple Crises. Embodied*

Utopianisms of Care and Radical Spatial Practice (Vol. 73, pp. 11–16). Transcript. <https://doi.org/10.14361/9783839467466-002>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Kühn, W. F. (2023). Milano, Wien?: The City as Collection. In A. Lunati, E. A. Ellena, & W. F. Kühn (Eds.), *Buildings of Buildings?: 2021W-2022S*. TU Wien.

[Link](#)

201 Bauwesen

604 Kunstwissenschaften

Limbeck, A., Quarles, C. D., & Brunnbauer, L. (2023). Spatially resolved analysis of microplastics using a combined LIBS and LA-ICP-MS approach. In *NAWLA 2023 Program Volume* (pp. 61–61).

[Link](#)

104 Chemie

Zhang, Y., Vorobev, A., Yilmaz, U., O’Faolain, L., Lendl, B., & Ramer, G. (2023). Controlling Spatial Resolution and Sensitivity in Nanoscale Chemical Imaging by Photothermal-Induced Resonance Spectroscopy. In *C-PASS. 1st Conference on Photonics for Advanced Spectroscopy and Sensing?: Book of Abstract* (pp. 50–50). <https://doi.org/10.34726/5580>

[Link](#)

104 Chemie

Kühteubl, F., Renner, E., German, X., Guidoboni, G., Kurfürst, C., Plassard, F., Prokopovich, D., Wastl, A., Arrutia Sota, P. A., & Fraser, M. A. (2023). Slow Extraction Optimisation as part of the Non-Clinical Research programme at MedAustron. In *Symposium?: Non-Clinical Ion-Beam Research at MedAustron* (pp. 17–17). EBG MedAustron GmbH. <https://doi.org/10.34726/5539>

[Link](#)

103 Physik, Astronomie

Quarles Jr, C. D., Wolf, C., Sommer, K., Karst, U., Brunnbauer, L., Achleitner, B., & Limbeck, A. (2023). High-Speed Imaging for Biological and Geological Applications. In *NAWLA 2023 Program Volume* (pp. 78–78).

[Link](#)

104 Chemie

Dhrangadhariya, A., Kusa, W., Müller, H., & Hanbury, A. (2023). HEVS-TUW at SemEval-2023 Task 8: Ensemble of Language Models and Rule-based Classifiers for Claims Identification and PICO Extraction. In *The 17th International Workshop on Semantic Evaluation (SemEval-2023)*. Proceedings of the Workshop (pp. 1776–1782). Association for Computational Linguistics. <https://doi.org/10.18653/v1/2023.semeval-1.246>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Tagliaro, C., Hahn, F., Sepe, R., Aceti, A., & Lindorfer, M. (2023). I Still Know What You Watched Last Sunday: Privacy of the HbbTV Protocol in the European Smart TV Landscape. In *Proceedings Network and Distributed System Security (NDSS) Symposium 2023. 30th Annual Network and Distributed System Security Symposium (NDSS) 2023, San Diego, United States of America (the)*. <https://doi.org/10.14722/ndss.2023.24102>

[Link](#)

102 Informatik

Zhang, Y., O’Faolain, L., & Ramer, G. (2023). Design and Simulation of Bragg Grating Based Optomechanical Sensor for Atomic Force Microscopy. In Papers and Presentations from the COMSOL Conference 2023. Comsol Conference Munich 2023, Munich, Germany. Comsol multiphysics. <https://doi.org/10.34726/5579>

[Link](#)

103 Physik, Astronomie

104 Chemie

210 Nanotechnologie

Murturi, I., Donta, P. K., Casamayor Pujol, V., Morichetta, A., & Dustdar, S. (2023). Learning-Driven Zero Trust in Distributed Computing Continuum Systems. In 2023 IEEE Intl Conf on Dependable, Autonomic and Secure Computing, Intl Conf on Pervasive Intelligence and Computing, Intl Conf on Cloud and Big Data Computing, Intl Conf on Cyber Science and Technology Congress (DASC/PiCom/CBDCCom/CyberSciTech) (pp. 0044–0049). IEEE. <https://doi.org/10.1109/DASC/PiCom/CBDCCom/Cy59711.2023.10361352>

[Link](#)

102 Informatik

Bekbulatova, V., Morichetta, A., & Dustdar, S. (2023). FL-SERENADE: Federated Learning for SEMI-supeRvisEd Network Anomaly DEtection. A Case Study. In 2023 IEEE Intl Conf on Dependable, Autonomic and Secure Computing, Intl Conf on Pervasive Intelligence and Computing, Intl Conf on Cloud and Big Data Computing, Intl Conf on Cyber Science and Technology Congress (DASC/PiCom/CBDCCom/CyberSciTech) (pp. 1072–1079). IEEE. <https://doi.org/10.1109/DASC/PiCom/CBDCCom/Cy59711.2023.10361504>

[Link](#)

102 Informatik

sonstige wissenschaftliche Veröffentlichungen

Hochmair, H., Navratil, G., & Huang, H. (2023). Perspectives on advanced technologies in spatial data collection and analysis. *Geographies*, 3(4), 709–713. <https://doi.org/10.3390/geographies3040037>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Krampe, J. (2023). Editorial. *Österreichische Wasser- und Abfallwirtschaft*, 75, 125–126. <https://doi.org/10.1007/s00506-023-00946-0>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hahnenkamp, P., & Wagner, D. (2023). Vorwort der Gastherausgeber. *Juridikum: Zeitschrift für Kritik - Recht - Gesellschaft*, 1, 63–65. <https://doi.org/10.33196/juridikum202301006301>

[Link](#)

502 Wirtschaftswissenschaften

505 Rechtswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Haubner, R. (2023). *Montanarchäologie*. *BHM Berg- und Hüttenmännische Monatshefte*, 168(9), 393–393. <https://doi.org/10.1007/s00501-023-01377-w>

[Link](#)

104 Chemie

605 Andere Geisteswissenschaften

Weinbub, J., & Kotlyar, R. (2023). Designing Future Quantum-Based Nanoelectronics Through Modeling and Simulation. *IEEE Nanotechnology Magazine*, 17(4), 3–3. <https://doi.org/10.1109/MNANO.2023.3279710>

202 Elektrotechnik, Elektronik, Informationstechnik

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Zoboli, O., & Zessner, M. (2023). Spurenstoffe – Monitoring, Modellierung und Management.

Österreichische Wasser- und Abfallwirtschaft, 75, 480–481. <https://doi.org/10.1007/s00506-023-00993-7>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kreuzinger, N. (2023). One Health Concept as driver for transdisciplinary cooperation. *One Health & Risk Management (OH&RM)*, Special Edition: November, 7–7. <https://doi.org/10.34726/5354>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kaniusas, E., Fudim, M., Christopher J. Czura, & Panetsos, F. (2023). Editorial: Neuromodulation in COVID-19: From basic research to clinical applications. *Frontiers in Physiology*, 14, 1–3. <https://doi.org/10.3389/fphys.2023.1148819>

202 Elektrotechnik, Elektronik, Informationstechnik

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

206 Medizintechnik

302 Klinische Medizin

Bai, X., Ning, X., Donta, P. K., & Li, W. (2023). Editorial: Efficient deep neural network for intelligent robot system: Focusing on visual signal processing. *Frontiers in Neurorobotics*, 17, Article 1191655.

<https://doi.org/10.3389/fnbot.2023.1191655>

[Link](#)

102 Informatik

Rupprechter, G., Dohnálek, Z., & Volpe, A. F. (2023). Preface to “From Coadsorption and Catalysis at Solid Surfaces to Liquid–Solid Interfaces in Theory and Experiment, Published in Honor of Professor Robert K. Grasselli, Irsee IX Symposium Kloster Irsee, Germany 16–19 June 2022 (Irsee IX).” *Topics in Catalysis*. <https://doi.org/10.1007/s11244-023-01858-9>

[Link](#)

104 Chemie

Spiryagin, M., Edelmann, J., & Cole, C. (2023). Vehicle system dynamics in digital twin technologies.

Vehicle System Dynamics. <https://doi.org/10.1080/00423114.2023.2257338>

[Link](#)

203 Maschinenbau

Donta, P. K., Monteiro, E., Dehury, C. K., & Murturi, I. (2023). Learning-driven ubiquitous mobile edge computing: Network management challenges for future generation Internet of Things. *International Journal of Network Management*, 33(5), Article e2250. <https://doi.org/10.1002/nem.2250>

<https://doi.org/10.1002/nem.2250>

[Link](#)

102 Informatik

Varna, M., Calin, M., & Gebeshuber, I. C. (2023). Advances in natural and bio-inspired nanoparticles for the treatment of cardiovascular diseases. *Nanomaterials*, 13(23), Article 3015. <https://doi.org/10.3390/>

nano13233015

[Link](#)

103 Physik, Astronomie

106 Biologie

304 Medizinische Biotechnologie

Reinhartz-Berger, I., & Bork, D. (2023). Guest editorial for EMMSAD'2022 special section. *Software and Systems Modeling*, 22(6), 1855–1856. <https://doi.org/10.1007/s10270-023-01130-4>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Gebeshuber, I.-C. (2023). *Biomimetic Nanotechnology Vol. 3. Biomimetics*, 8(1), Article 102. <https://doi.org/10.3390/biomimetics8010102>

[Link](#)

103 Physik, Astronomie

Shibayama, T., & Emberger, G. (2023). Ensuring sustainable mobility in urban periphery, rural areas and remote regions. *European Transport Research Review*, 15, Article 11. <https://doi.org/10.1186/s12544-023-00584-3>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Pinhanez, C., Michahelles, F., & Schmidt, A. (2023). Human-Centered AI. *IEEE Pervasive Computing*, 22(1), 7–8. <https://doi.org/10.1109/MPRV.2023.3244009>

[Link](#)

101 Mathematik

102 Informatik

Bartl, A., & Ipsmiller, W. (2023). Fast fashion and the Circular Economy: Symbiosis or antibiosis? *WASTE MANAGEMENT & RESEARCH*, 41(3), 497–498. <https://doi.org/10.1177/0734242X221149639>

[Link](#)

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Biffel, S., Navarro, E., MIRANDOLA, R., & Weyns, D. (2023). Architecting for a Sustainable Digital Society. *Journal of Systems and Software*, 200, Article 111668. <https://doi.org/10.1016/j.jss.2023.111668>

[Link](#)

102 Informatik

502 Wirtschaftswissenschaften

Mikula, H. (2023). Special issue in memoriam Fritz Sauter. *MONATSHEFTE FUR CHEMIE*, 154, 1315–1316. <https://doi.org/10.1007/s00706-023-03141-9>

[Link](#)

104 Chemie

Gebeshuber, I.-C. (2023). EFFIE - Zwischenbericht finanziell 4/2021-1/2023. <http://hdl.handle.net/20.500.12708/153782>

[Link](#)

103 Physik, Astronomie

Singer, F., & Pickel, L. (2023). Festlegung der Anforderungen zur Detektion und Lokalisierung von Weichenherzen mittels Deep Learning.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Griesser, M., Risak, M., Herr, B., Plank, L., & Vogel, L. (2023). Faire Arbeit in der österreichischen Plattformökonomie? (No. 242). Kammer für Arbeiter und Angestellte für Wien. <http://hdl.handle.net/20.500.12708/176747>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Bröthaler, J., Getzner, M., Müller, H. L., Plank, L., Miess, M., Niedertscheider, M., Bürger, J., Schieder, W., & Schindler, I. (2023). Öffentliche Investitionen für den Klimaschutz in Österreich. Kammer für Arbeiter und Angestellte für Wien. <https://doi.org/10.34726/4684>

[Link](#)

502 Wirtschaftswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Singer, F., Pickel, L., Pöchgraber, G., & Bleicher, F. (2023). Projekt-Konzept: Machbarkeitsstudie zur Heißvermessung von Schmiedeteilen für die Luft- und Raumfahrtindustrie.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Singer, F., Pickel, L., Pöchgraber, G., & Bleicher, F. (2023). Konzept: Automatisiertes Auslesen geprägter Serialnummern auf Schmiedeteilen mittels industrieller Bildverarbeitung (Deep Learning).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Singer, F., Pickel, L., Pöchgraber, G., & Bleicher, F. (2023). Konzept: Machbarkeitsstudie und Konzepterstellung einer roboterbasierten Qualitätskontrolle von Schmiedeteilen aus der Luft- und Raumfahrtindustrie.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Singer, F., Pickel, L., Pöchgraber, G., & Bleicher, F. (2023). Konzept: In-Line Verbau eines optischen Messsystems zur dynamischen Qualitätsbewertung von Stahldraht nach dem Walzprozess.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Singer, F., Pickel, L., & Pöchgraber, G. (2023). Projektkonzept - Automatisierte optische Verschleißerkennung von Zerspanungswerkzeug.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Pickel, L., Singer, F., & Pöchgraber, G. (2023). Projektskizze: Automatisierte optische Verschleißmessung zur Reduktion von Betriebsmitteln in der zerspanenden Industrie.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Pickel, L., Singer, F., & Pöchgraber, G. (2023). Projektantrag zum Förderansuchen "Großprojekte"

Abfallvermeidungs-Förderung der SVS für Verpackungen: Automatisierte optische Verschleißmessung zur Reduktion von Betriebsmitteln in der zerspanenden Industrie.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Singer, F., Pickel, L., Pöchgraber, G., & Bleicher, F. (2023). Projektantrag - Automatisierte optische Verschleißmessung zur Reduktion von Betriebsmitteln in der zerspanenden Industrie.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Grevenbrock, N., Ludwig, A., & Siassi, N. (2023). Homeownership Rates, Housing Policies, and Co-Residence Decisions (01/2023). Research Unit in Economics, Institute of Statistics and Mathematical Methods in Economics, TU Wien. <https://doi.org/10.34726/4862>

[Link](#)

101 Mathematik

502 Wirtschaftswissenschaften

Kaas, L., Lalé, E., & Siassi, N. (2023). Job Ladder and Wealth Dynamics in General Equilibrium (03/2023). TU Wien. <http://hdl.handle.net/20.500.12708/190710>

[Link](#)

502 Wirtschaftswissenschaften

Plank, L., Volmary, H., Krenn, M., Blaas, W., Prausmüller, O., & Buxbaum, A. (2023). Caring for Profit: How shareholder-oriented transnational investors are pushing into critical social infrastructures. <http://hdl.handle.net/20.500.12708/190441>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Spitzer, S., Binder-Hammer, B., & Reiter, C. (2023). Intergenerational income dynamics in Europe: Past trends and current challenges (No. WPEF23039). Eurofound. <http://hdl.handle.net/20.500.12708/192055>

[Link](#)

502 Wirtschaftswissenschaften

Kanonier, A., & Schindelegger, A. (2023). Studie Steuerung von Freizeitwohnsitzen in Österreich. ÖROK Eigenverlag. <http://hdl.handle.net/20.500.12708/154266>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Panzenböck, O., Jaron, F. F. D., & Böhm, J. (2023). Final Report - Analysis of EU-VGOS Sessions at TU Wien. <http://hdl.handle.net/20.500.12708/158314>

[Link](#)

102 Informatik

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Diebold, J. (2023). Transfer Project Current status. <http://hdl.handle.net/20.500.12708/154406>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Haroshka, D., Morgenstein, P., Bindreiter, S., Cserpes, B., Schuster, I., Smatanová, K., Vitková, L., Kádár, B., Szabó, Á., Orbán, A., Benko, M., Gergely, B. Z., Krklješ, M., Reba, D., Carevic Tomic, M., Medenica Todorovic, R., Markovic, O., Milinkovic, A., Škoric, S., ... Stober, D. (2023). Danubian small & medium cities. Methodological guidelines and new theoretical and practical methods of interdisciplinary teaching for assessing small and medium sized cities (SMCs) on Danube (M. Harmanescu, A. Stan, & S. M. Manea, Eds.; No. 01). Editura universitara „Ion Mincu”. <http://hdl.handle.net/20.500.12708/153178>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Gebeshuber, I.-C. (2023). EFFIE - Zwischenbericht wissenschaftlich 4/2021-1/2023.

[Link](#)

103 Physik, Astronomie

Bleicher, F., Bodur, O., Einspieler, C., & Sezer, U. (2023). Innovationscheck - 896287.

[Link](#)

103 Physik, Astronomie

203 Maschinenbau

205 Werkstofftechnik

Haroshka, D., Morgenstein, P., Bindreiter, S., Forster, J., Voigt, A., Vitková, L., Smatanova, K., Krklješ, M., Reba, D., Carevic Tomic, M., Medenica Todorovic, R., Markovic, O., Milinkovic, A., Škoric, S., Maric, J., Milovanovic´ Rodic´, D., Djukic, A., Antonic, B., Harmanescu, M., ... Benkö, M. (2023). Danubian small & medium cities. Teaching module framework for assessing the inclusive development of Danubian small and medium sized cities (L. Vitková, M. Harmanescu, & A. Stan, Eds.; No. 03). Spectrum STU Slovak University of Technology in Bratislava. <http://hdl.handle.net/20.500.12708/175742>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Pickel, L., & Singer, F. (2023). Analyse der erreichbaren Messgenauigkeit der Kalibriermaßnahmen.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Pickel, L., & Singer, F. (2023). Analyse der Auswirkungen des definierten Korrekturfaktors.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Jagenteufel, H., Kreuzinger, N., & Krampe, J. (2023). Untersuchung der Kläranlage des Abwasser Service Betriebs Guntramsdorf, 21.-22- September 2022.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Jagenteufel, H., Kreuzinger, N., & Krampe, J. (2023). Pet to Pet GmbH: Fremdüberwachung und Auswertung der Betriebsdaten der Abwasserreinigungsanlage im Betriebsjahr 2022. <http://hdl.handle.net/20.500.12708/187430>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kobras, V., Bernögger, A., & Haas, M. (2023). Sommer für alle. Inklusive Ferienangebote in der Stadt. <https://doi.org/10.34726/4441>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Bernögger, A., Haas, M., & Peer, C. (2023). Die Vielfalt sozialer Innovation entdecken und gemeinsam reflektieren. <https://doi.org/10.34726/4601>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Weisz, L., Pilz, F., & Kreuzinger, N. (2023). Bericht über die Untersuchung der Kläranlage der AGRANA Stärke GmbH, Werk Gmünd, am 16.-17.11.2022. <http://hdl.handle.net/20.500.12708/187771>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Haas, M., & Bernögger, A. (2023). Gemeinsam die Zukunft reparieren? Repair-Initiativen in der Stadt. <https://doi.org/10.34726/4761>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Stadler, B., Haas, M., Leschanz, C., & Masi, A. L. (2023). The “PARENT” Initiative: PARENTS in RESEARCH AND TECHNOLOGY: Study of the situation of parents at the Faculty of Technical Chemistry of TU WIEN. <https://doi.org/10.34726/4822>

[Link](#)

504 Soziologie

Pont, U., Wölzl, M., Schober, K. P., Swoboda, S., Bauer, P., Stiegler, V., Wolffhardt, R., Neudeck, F., & Auer, I. (2023). Endbericht / Tätigkeitsbericht Smart and Urban Tree (Endbericht).

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J. (2023). Von der nichtfinanziellen Berichterstattung zur neuen europäischen Nachhaltigkeitsberichterstattung?: Eine Evaluation der Umsetzung der Berichtspflichten gem. NaDiVeG durch österreichische Unternehmen – im Lichte der Neuerungen durch die CSRD. Arbeiterkammer Wien. <https://doi.org/10.34726/5227>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Jagenteufel, H., Parravicini, V., Stumpf, D., Lamprecht, D., Schwarzmayr, S., & Tauber, J. (2023). Trübwasserbehandlung Korneuburg.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Jork, N. A. (2023). Finite Element Error Analysis and Solution Stability of Affine Optimal Control Problems (No. 2023–01). <https://doi.org/10.34726/5231>

[Link](#)

101 Mathematik

Krasna, H., Baldreich, L., Böhm, J., Böhm, S., Gruber, J. F., Hellerschmied, A., Jaron, F. F. D., Kern, L. M., Mayer, D., Nothnagel, A. G., Panzenböck, O., & Wolf, H. (2023). Vienna Analysis Center Report 2021–2022 (K. L. Armstrong, D. Behrend, & K. D. Baver, Eds.; NASA/TP-20230014975). NASA. <https://>

doi.org/10.34726/5290

[Link](#)

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Böhm, J., & Delic, A. (2023). Analysis of gravity measurements at Trafelberg (R. Leonhardt & P. Arneitz, Eds.). GeoSphere Austria. <http://hdl.handle.net/20.500.12708/189623>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ádám, Z., Lopez Miguel, I. D., Mavridou, A., Pressburger, T., Bes, M., Blanco Viñuela, E., Katis, A., Tournier, J.-C., Trinh, K. V., & Fernández Adiego, B. (2023). Automated Verification of Programmable Logic Controller Programs Against Structured Natural Language Requirements (NASA/TM–20230003752). National Aeronautics and Space Administration. <https://doi.org/10.34726/5291>

[Link](#)

101 Mathematik

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Oblinger, N. (2023). Serviced Apartments/Short-Term Rentals Market in Europe - A comparative study in Five European Countries. <https://doi.org/10.34726/5293>

[Link](#)

201 Bauwesen

502 Wirtschaftswissenschaften

505 Rechtswissenschaften

Fabini, J., Hartl, A., Meghdouri, F., & Zseby, T. (2023). Sicherheitsstudie Ladeinfrastrukturanbindung; Steuerung von Ladeinfrastruktur durch CPOs und Aggregatoren. Oesterreichs Energie. <http://hdl.handle.net/20.500.12708/189793>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Böhler, S., Kreuzinger, N., & Krampe, J. (2023). SelektAra?: Selektiver Überschussschlammabzug aus Belebungsbecken kommunaler Abwasserreinigungsanlagen. Bundesministerium für Land- und Forstwirtschaft, Regionen und Wasserwirtschaft. <http://hdl.handle.net/20.500.12708/190131>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Leth, U., Brezina, T., & Emberger, G. (2023). Studie zum Thema Österreichs Mobilität in 100 Jahren. <http://hdl.handle.net/20.500.12708/189885>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Bauer, T. (2023). GUMPI_forschung - Alleinerziehende machen Stadtforschung. Ergänzungen Alleinerziehender zur Umgestaltung der Gumpendorfer Straße. <https://doi.org/10.34726/5298>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Ferraccioli, F., Stilianakis, N. I., & Veliov, V. (2023). A spatial epidemiological model with contact and mobility restrictions (No. 2023–02). Institute of Statistics and Mathematical Methods in Economics, TU Wien. <https://doi.org/10.34726/5323>

[Link](#)

101 Mathematik

Angelov, G., Kovacevic, R., Stilianakis, N. I., & Veliov, V. (2023). An immuno-epidemiological model with waning immunity after infection or vaccination (No. 2023–03). <https://doi.org/10.34726/5469>

[Link](#)

101 Mathematik

Schuh, L., Markov, P., Veliov, V., & Stilianakis, N. I. (2023). A mathematical model for the within-host (re)infection dynamics of SARS-CoV-2 (No. 2023–04). <https://doi.org/10.34726/5325>

[Link](#)

101 Mathematik

Baumüller, J., & Mayr, J. (2023). Quick Guide: Wesentlichkeitsanalyse gemäß CSRD und ESRS. <http://hdl.handle.net/20.500.12708/190714>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Gruber, J. F., Jaron, F. F. D., Baldrich, L., & Böhm, J. (2023). Vienna Correlator Report 2021–2022 (K. L. Armstrong, D. Behrend, & K. D. Bayer, Eds.; NASA/TP-20230014975). NASA, Goddard Space Flight Center. <https://doi.org/10.34726/5471>

[Link](#)

102 Informatik

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schartner, M., Plötz, C., Kern, L. M., Klügel, T., Schwarz, W., Schüler, T., Böhm, J., & Soja, B. (2023). DACH Operation Center 2021–2022 Report (K. L. Armstrong, D. Behrend, & K. D. Bayer, Eds.). NASA, Goddard Space Flight Center. <https://doi.org/10.34726/5470>

[Link](#)

102 Informatik

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kleissner, A., Lemmerer, H., & Tschugg, B. (2023). Wirtschaftsfaktor Gehen?: Enbericht. <http://hdl.handle.net/20.500.12708/192036>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Haslinger, M. (2023). Implementierungsfragen betreffend den Daten-Governance-Rechtsakt der EU. <http://hdl.handle.net/20.500.12708/192039>

[Link](#)

505 Rechtswissenschaften

Damjanovic, D., Peck, O., Berger, M., & Kammerhofer, A. (2023). SLIMobility - Systemintegrierende Lösungsansätze für Innovationsbarrieren neuer Mobilitätsdienstleistungen. <http://hdl.handle.net/20.500.12708/192058>

[Link](#)

201 Bauwesen

505 Rechtswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Hellmich, C., Höld, H., Moritz, B., Pichler, B., Obermüller, W., Pilgerstorfer, T., Sorgner, M., Razgordanisharahi, A., & Scharf, R. (2023). D3.2.1 Report Material Tests and Structural Monitoring Data. <http://hdl.handle.net/20.500.12708/192076>

[Link](#)

201 Bauwesen

Haider, M. (2023). Determinanten der Verkehrsmittelwahl auf Arbeitswegen. <https://doi.org/10.34726/5472>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Furutanpey, A., Raith, P. A., & Dustdar, S. (2023). FrankenSplit: Efficient Neural Feature Compression with Shallow Variational Bottleneck Injection for Mobile Edge Computing. arXiv. <https://doi.org/10.48550/arXiv.2302.10681>

[Link](#)

102 Informatik

Popov, T. (2023). Abschlussbericht GLOCK Research Lab?: FSP2: Gaserzeugung und Synthesegasbehandlung. <http://hdl.handle.net/20.500.12708/192099>

[Link](#)

204 Chemische Verfahrenstechnik

Boisnard, M.-R., Vogric, M., & Führer, M. (2023). Characterization of microstructure evolution in hypereutectoid and micro-alloyed steels during heat treatment. <http://hdl.handle.net/20.500.12708/192162>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Iliceto, A., Samovich, N., Sousa e Silva, N., & Ilo, A. (2023). Hydrogen's impact on grids: Impact of hydrogen integration on power grids and energy systems (MJ-07-23-308-EN-N). Publications Office of the European Union. <https://doi.org/10.2833/556144>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Nikolaev, D., Saric, Z., & Wiesinger, G. (2023). FORTE 2ARMY - Endbericht. <http://hdl.handle.net/20.500.12708/154150>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Singer, F., Pickel, L., & Pöchgraber, G. (2023). Dynamische Vermessung von HSS Draht im μ -Bereich bei 2m/s Durchlaufgeschwindigkeit mittels industrieller Bildverarbeitung. <http://hdl.handle.net/20.500.12708/158181>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Pickel, L., & Singer, F. (2023). Auswertung der Offset Korrektur von telezentrischen Machine Vision Systemen durch einheitlichen Korrekturfaktor.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Donabaum, J., Singer, F., Pickel, L., Pöchgraber, G., Sulz, C., & Ader, K. (2023). Optische Personendetektion mittels Deep Learning – Konfidenz von Live Tests bei wechselndem Hintergrund. <http://hdl.handle.net/20.500.12708/175988>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Korjenic, A., Streit, E., Sulejmanovski, A., Pichlhöfer, A., Hummel Esther, Frank Patrick Niklas, Zechmeister Harald, Gonaus, T., & Möslinger, L. (2023). Einsatz Lebendmoos in Begrünungssystemen – Erforschung der Eignungsfähigkeit sowie notwendiger Parameter. <http://hdl.handle.net/20.500.12708/176535>

[Link](#)

106 Biologie

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Clement, A., Kittlaus, S., Kardos, M., Dudas, K., Weber, N., Zoboli, O., Zessner-Spitzenberg, M., Long, A., Jolankai, Z., Dimova, G., Mihalkov, D., Tonev, R., Petkova, S., Šukovic, D., Zivkovic, V., Milivojevic, T., Broer, M. B., Gabriel, O., Kovacs, A., ... Kirchner, M. (2023). Output O.T1.1?: Inventory of concentrations of hazardous substances in the Danube River Basin, Date: 2023-03-31. <http://hdl.handle.net/20.500.12708/177234>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dimova, G., Steidl, C., Kaps, R., Kirchner, M., Rajczyková, E., Sukovic, D., Zivkovic, V., Milivojevic, T., Boscornea, C. C., Moldovan, C., Soare, F., Marchidan, E., Dumitrache, F., Dudas, K., Nagy, T., Milacic, R., Kocman, D., Usenik, V., Mohorko, T., ... Ullrich, A. (2023). Output T3.1 - Report: Critical review of current national policies regarding hazardous substances water pollution in the Danube River Basin. <http://hdl.handle.net/20.500.12708/177236>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Kovacs, A., van Gils, J., Loos, S., Dudas, K. M., Dimova, G., Zessner-Spitzenberg, M., Kaps, R., Kittlaus, S., Zoboli, O., Gabriel, O., Tuchia, E., Boscornea, C., Marchidan, E., Moldovan, C., Kirchner, M., Milacic, R., Usenik, V., Kocman, D., Bolanca, T., & Kucic Grgic, D. (2023). Output O.T3.3?: Policy guidance document for improved representation of hazardous substances pollution in the danube- and national river basin management plans. <http://hdl.handle.net/20.500.12708/177238>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Tuchia, E., Marchidan, E., Boscornea, C., Nedelea, I., Curelea-Marin, R., Clement, A., Dudás, K. M., Kardos, M. K., Jolankai, Z., Gabriel, O., Broer, M. B., Milacic, R., Kovacs, A., van Gils, J., Loos, S., Kaps, R., Kittlaus, S., Weber, N., Zessner-Spitzenberg, M., & Zoboli, O. (2023). Output T4.5?: Technical Guidance Manual of the best practices on hazardous substances pollution management in water for stakeholders. <http://hdl.handle.net/20.500.12708/177240>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Getzner, M., Bröthaler, J., & Neuhuber, T. (2023). Verteilung der Sozialhilfeumlage: Untersuchung einer

gerechten Verteilung der Kostenbeiträge der Sozialhilfeumlage der steirischen Gemeinden. <http://hdl.handle.net/20.500.12708/187141>

[Link](#)

502 Wirtschaftswissenschaften

505 Rechtswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Kirchberger, C., Dörrzapf, L., Berger, M., Gkavra, R., Klementsitz, R., Roider, O., Susilo, Y. O., Eckerl, Y., Dionigi, A. J., & Nichols, A. J. (2023). Deliverable D 4.2 Living Lab implementation report Eastern Austria. <https://doi.org/10.34726/4582>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Nikolaev, D., Saric, Z., Schmid, T., Lechner, C., Gössinger, S., Wiesinger, G., Mauthner, G., & Bleicher, F. (2023). 2ARMY Automated Additive Repair and Manufacturing System Short project report. <http://hdl.handle.net/20.500.12708/191676>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Nikolaev, D., Saric, Z., Schmid, T., Lechner, C., Gössinger, S., Wiesinger, G., Mauthner, G., & Bleicher, F. (2023). 2ARMY Automated Additive Repair and Manufacturing System Ergebnisbericht Kurzfassung. <http://hdl.handle.net/20.500.12708/191675>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Clement, A., Kardos, M. K., Jolankai, Z., Dudas, K. M., Musa, I., Weber, N., Kittlaus, S., Zessner-Spitzenberg, M., Zoboli, O., Gabriel, O., Broer, M. B., Kulcsar, S., Milacic, R., Markovic, K., Dimova, G., Petkova, S., Hamchevici, C., Moldovan, C., Muntean, A., ... Bordos, G. (2023). Output O.T1.2?: Demonstration of a harmonized and cost-effective measurement concept for the monitoring of HS river pollution and of HS emission pathways in 7 pilot regions. <http://hdl.handle.net/20.500.12708/187756>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Broer, M. B., Steidl, C., Rosmann, T., Kittlaus, S., Zessner-Spitzenberg, M., Zoboli, O., Kaps, R., Clement, A., Jolankai, Z., Dimova, G., Tonev, R., Kovacs, A., & van Gils, J. (2023). Output T2.3?: Demonstration of the management plan development process at watershed levels for Hazardous Substances pollution based on detailed emission modelling in seven pilot regions 2023, Factsheet for the Koppany Pilot area. <http://hdl.handle.net/20.500.12708/187757>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Broer, M. B., Steidl, C., Rosmann, T., Kittlaus, S., Zessner-Spitzenberg, M., Zoboli, O., Kaps, R., Clement, A., Jolankai, Z., Dimova, G., Tonev, R., Kovacs, A., & van Gils, J. (2023). Output T2.3?: Demonstration of the management plan development process at watershed levels for Hazardous Substances pollution based on detailed emission modelling in seven pilot regions 2023, Factsheet for the Somesul Mic Pilot area. <http://hdl.handle.net/20.500.12708/187765>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Broer, M. B., Steidl, C., Rosmann, T., Kittlaus, S., Zessner-Spitzenberg, M., Zoboli, O., Kaps, R., Clement, A., Jolankai, Z., Dimova, G., Tonev, R., Kovacs, A., & van Gils, J. (2023). Output T2.3?: Demonstration of the management plan development process at watershed levels for Hazardous Substances pollution based on detailed emission modelling in seven pilot regions 2023, Factsheet for the Viseu Pilot area. <http://hdl.handle.net/20.500.12708/187766>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Broer, M. B., Steidl, C., Rosmann, T., Kittlaus, S., Zessner-Spitzenberg, M., Zoboli, O., Kaps, R., Clement, A., Jolankai, Z., Dimova, G., Tonev, R., Kovacs, A., & van Gils, J. (2023). Output T2.3?: Demonstration of the management plan development process at watershed levels for Hazardous Substances pollution based on detailed emission modelling in seven pilot regions 2023, Factsheet for the VIT Pilot area. <http://hdl.handle.net/20.500.12708/187767>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Broer, M. B., Steidl, C., Rosmann, T., Kittlaus, S., Zessner-Spitzenberg, M., Zoboli, O., Kaps, R., Clement, A., Jolankai, Z., Dimova, G., Tonev, R., Kovacs, A., & van Gils, J. (2023). Output T2.3?: Demonstration of the management plan development process at watershed levels for Hazardous Substances pollution based on detailed emission modelling in seven pilot regions 2023, Factsheet for the Wulka Pilot area. <http://hdl.handle.net/20.500.12708/187768>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Broer, M. B., Steidl, C., Rosmann, T., Kittlaus, S., Zessner-Spitzenberg, M., Zoboli, O., Kaps, R., Clement, A., Jolankai, Z., Dimova, G., Tonev, R., Kovacs, A., & van Gils, J. (2023). Output T2.3?: Demonstration of the management plan development process at watershed levels for Hazardous Substances pollution based on detailed emission modelling in seven pilot regions 2023, Factsheet for the Ybbs Pilot area. <http://hdl.handle.net/20.500.12708/187769>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Broer, M. B., Steidl, C., Rosmann, T., Kittlaus, S., Zessner-Spitzenberg, M., Zoboli, O., Kaps, R., Clement, A., Jolankai, Z., Dimova, G., Tonev, R., Kovacs, A., & van Gils, J. (2023). Output T2.3?: Demonstration of the management plan development process at watershed levels for Hazardous Substances pollution based on detailed emission modelling in seven pilot regions 2023, Factsheet for the Zaggyva Pilot area. <http://hdl.handle.net/20.500.12708/187770>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gabriel, O., Broer, M. B., Rosmann, T., Steidl, C., Kittlaus, S., Zessner-Spitzenberg, M., Zoboli, O., Weber, N., Clement, A., Kardos, M. K., Jolankai, Z., Dudas, K. M., Dimova, G., Tonev, R., Mihalkov, D., Alitchkov, D., Nedelea, I., Boscornea, C., Sidau, M., ... Kovacs, A. (2023). Output T2.2?: Report on improved system understanding as basis for adapted transnational emission modelling at DRB scale. <http://hdl.handle.net/20.500.12708/187764>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Gabriel, O., Broer, M. B., Rosmann, T., Steidl, C., Kittlaus, S., Zessner-Spitzenberg, M., Zoboli, O., Weber, N., Clement, A., Kardos, M. K., Jolankai, Z., Dudas, K. M., Dimova, G., Tonev, R., Mihalkov, D., Alitchkov, D., Nedelea, I., Boscornea, C., Sidau, M., ... Kovacs, A. (2023). Output T2.1?: Harmonized MoRE model adapted to specific territorial characteristics within the DRB. <http://hdl.handle.net/20.500.12708/187763>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Brocca, L., Camici, S., Massari, C., Tarpanelli, A., Ciabatta, L., Dari, J., Mondanesi, S., Mosaffa, H., Filippucci, P., Alfieri, L., Avanzi, F., Gabellani, S., Rains, D., Miralles, D. G., Vreugdenhil, M., Quast, R., Raml, B., Massart, S. J. A., Mantovani, S., & Jacob, A. (2023). DTE Hydrology Evolution: Final Report, Deliverable D7.1 (D7.1). <https://doi.org/10.5281/zenodo.8089045>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Krlovic, N., Zessner-Spitzenberg, M., Wukovits, M., & Osten, S. (2023). Nachhaltige Wassergütwirtschaft Raab, Online-Monitoring. Endbericht. Berichtsjahr 2022. <http://hdl.handle.net/20.500.12708/187850>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Singer, F., Pickel, L., Saric, Z., & Pöchgraber, G. (2023). Endbericht - Lokalisierung von Weichenherzen mittels Deep Learning.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Stollwitzer, A., Fink, J., Bettinelli, L., & Loidl, S. (2023). Dynamisches Schotteroberbauverhalten und Schotterbettdestabilisierung zufolge vertikaler Brückenschwingungen DynSchoStab. Bundesministerium für Klimaschutz. <http://hdl.handle.net/20.500.12708/188400>

[Link](#)

201 Bauwesen

Hoefnagels, R., Fritsche, U., Graffenberger, M., Hartley, D., Hennig, C., Kupfer, R., Li, C., Pfeiffer, A., Schmid, C., & Schipfer, F. (2023). Regional transitions in existing bioenergy markets?: Synthesis report of IEA Bioenergy Task 40 Regional Transitions project 1.0. IEA Bioenergy. <http://hdl.handle.net/20.500.12708/189818>

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Gölles, M., & Schipfer, F. (2023). IEA Bioenergy Task 44: Flexible Bioenergie und Systemintegration?: Arbeitsperiode 2019 - 2021. Bundesministerium für Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie (BMK). <https://doi.org/10.34726/5321>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Schartmüller, L., Steinbrunner, B., Bruck, E., Schmid, K., Gartner, F., Hölzl, D., Hamedinger, A., Hochradl, H., Hennig, S., Momburg, A., Nadwornicek, F., Ilmer, A., Rizzo, M., & Schöggel, R. M. (2023). Räumliche Handlungsmöglichkeiten im Kontext Multilokalität und ländlicher Raum. <https://doi.org/10.34726/5244>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

604 Kunstwissenschaften

Brezina, T., Kostka, L. W., Lagler, M., Schlamberger, P., & Haferl, M. (2023). Potentiale und Optionen Lavanttal. <http://hdl.handle.net/20.500.12708/189738>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Weber, N., Zoboli, O., & Zessner-Spitzenberg, M. (2023). Untersuchungen zum Gewässermonitoring von polyzyklischen aromatischen Kohlenwasserstoffen. BML. <http://hdl.handle.net/20.500.12708/190055>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Weigert, M., Daxbeck, H., Raab, J., Kisliakova, N., Bischofberger, A., Hölzl, R., & Lepuschitz, B. (2023). Sondierung zur Durchführbarkeit CO₂-neutraler Demonstrationsbaustellen. Bundesministerium für Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie. <https://doi.org/10.34726/5299>

[Link](#)

201 Bauwesen

Bettinelli, L., Loidl, S., & Fink, J. (2023). Untersuchungsergebnisse zu den ÖBB DaNi Railjet und Nightjet der neuen Generation?: Dynamische Bewertung zur Anwendbarkeit der aktuellen Zusatzdämpfung aus Interaktion Fahrzeug/Tragwerk auf die neuen Zugtypen ÖBB DaNi. <http://hdl.handle.net/20.500.12708/190006>

[Link](#)

201 Bauwesen

Kuhn, C., Kuntz, C., Budziankou, U., Quissek, M. F., & Lauer, T. (2023). AdBlue verursachte Ablagerungen II?: Untersuchung und Modellierung der Ablagerungsbildung während der Abgasnachbehandlung durch die Einspritzung von AdBlue vor den SCR-Katalysator (No. 1324). FVV. <http://hdl.handle.net/20.500.12708/190471>

[Link](#)

104 Chemie

203 Maschinenbau

204 Chemische Verfahrenstechnik

Wensing, M., Weiß, L., Strauß, L., Kaiser, S., Bauer, E., Lauer, T., Wiesmann, F. A., Pickett, L., Manin, J., & Dong, H. (2023). eSpray?: Einspritzung, Mischung und Selbstzündung von E-Kraftstoffen für CI-Motoren (No. 1333). FVV. <http://hdl.handle.net/20.500.12708/190589>

[Link](#)

203 Maschinenbau

204 Chemische Verfahrenstechnik

Schönauer, P., Gruber, M. R., & Hofko, B. (2023). Zwischenbericht METAsphalt - Maßnahmen zur Energie- und Treibhausgasreduktion bei der Produktion von Asphaltmischgut. <http://hdl.handle.net/20.500.12708/190439>

[Link](#)

201 Bauwesen
205 Werkstofftechnik

Gruber, M. R., & Hofko, B. (2023). Carbin - App zur Zustandserfassung der Oberflächenebenheit mittels International Roughness Index (IRI). <http://hdl.handle.net/20.500.12708/190707>

[Link](#)

201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Berger, M., Pühringer, F., & Stur, F. (2023). Empirische Kennwertermittlung und Umsetzung eines GIS-Tools zur Abschätzung des Güterverkehrsaufkommens für ein Ladezonenmanagement. <http://hdl.handle.net/20.500.12708/191654>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Hofko, B., Stüwe, S., Eberhardsteiner, L., & Zhou, D. (2023). Klimafitte Asphaltbeläge gegen Hitzeinseln in der Stadt. <http://hdl.handle.net/20.500.12708/190708>

[Link](#)

201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung

Dielacher, I., Slipko, K. A., Radu, L.-E., Galazka, S., Masseron, A., Eder, G. M., Schaar, H. P., Reif, D., Kreuzinger, C., Krampe, J., Kuffner, M., Weyermair, K., Korschineck, I., Cervero-Arago, S., Derx, J., Linke, R. B., Wögerbauer, M., Kreuzinger, N., & Vierheilig, J. (2023). MARGINS-II: Identifizierung und Quantifizierung der Antibiotikaresistenzgen-Hintergrundbelastung von Abwasser und Oberflächengewässern in Österreich. <http://hdl.handle.net/20.500.12708/190712>

[Link](#)

105 Geowissenschaften
201 Bauwesen
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Mauthner, G. (2023). Zwischenbericht/Endbericht?: AeroDOM. <http://hdl.handle.net/20.500.12708/190705>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau
205 Werkstofftechnik

Mauthner, G. (2023). Zwischenbericht?: AdProcAdd II - Advanced Manufacturing of Additively Manufactured Parts II. <http://hdl.handle.net/20.500.12708/190704>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau
205 Werkstofftechnik

Robisson, A., Daneshvar, D., Deix, K., Dhar, S., Kirnbauer, J., Liberto, T., Pauser, M., & Costa, B. (2023). Dämmung und frostsichere Verwendung mit recyclefähigen Betonschaum - Endbericht. <http://hdl.handle.net/20.500.12708/191260>

[Link](#)

201 Bauwesen
205 Werkstofftechnik
207 Umweltingenieurwesen, Angewandte Geowissenschaften

Robisson, A., Costa, B., Liberto, T., Dhar, S., Daneshvar, D., Kirnbauer, J., & Deix, K. (2023). Systematische Charakterisierung der Eigenschaften von Frischbetonen und Mörteln – Jahr 5. <http://hdl.handle.net/20.500.12708/191260>

hdl.handle.net/20.500.12708/191461

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Daneshvar, D., Kirnbauer, J., Liberto, T., & Robisson, A. (2023). Mathematical Modelling and Optimization of CO2 neutral Concrete - Mid Year report 2023. <http://hdl.handle.net/20.500.12708/191261>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Daneshvar, D., Shahid, M., Kirnbauer, J., Liberto, T., & Robisson, A. (2023). Mathematical Modelling and Optimization of CO2 neutral Concrete - End of Year Report. <http://hdl.handle.net/20.500.12708/191255>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Bröthaler, J., Getzner, M., & Doan, T. B. N. (2023). Volks- und regionalwirtschaftliche Wirkungen von Unternehmensverlagerungen zwischen Wien und Niederösterreich?: Endbericht. <http://hdl.handle.net/20.500.12708/192027>

[Link](#)

502 Wirtschaftswissenschaften

507 Humangeographie, Regionale Geographie, Raumplanung

Huber, B. (2023). KW Stübing – Hydraulischer Modellversuch?: Schnittmodell 1:20?: Endbericht. <http://hdl.handle.net/20.500.12708/192035>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Galazka, S., Kuffner, M., Weyermair, K., Radu, L.-E., Korschinek, I., Dersch, G., Vigl, V., Young, G., Tomschiczek, L., Pichler, J., Allerberger, F., Spettel, K., Kriz, R., Schwarz, M., Steinwider, J., Bock, H., Mika, S., Dobrovolny, S., Hochegger, R., ... Wögerbauer, M. (2023). MARGINS-I: Monitoring of Antibiotic Resistance Genes in Soils?: Identifizierung und Quantifizierung der Antibiotikaresistenzgen-Hintergrundbelastung von Böden in Österreich. <http://hdl.handle.net/20.500.12708/192037>

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105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Bohaty, G., Sonnleithner, A., & Pöchgraber, G. (2023). Optimized Utilization of Airport Security Infrastructure?: A prime example of successful systematic problem analysis, competent creation of solution concepts and target-oriented prototype production, all based at the IFT. <http://hdl.handle.net/20.500.12708/192580>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Stadler, R. (2023). DQI in electron transport through graphene nanoribbons. <http://hdl.handle.net/20.500.12708/192077>

[Link](#)

103 Physik, Astronomie

Teichmann, F., Pichlhöfer, A., Korjenic, A., & Horvath, A. (2023). GRÜNEzukunftSCHULEN2?: Grüne Schuloasen im Neubau. Einfluss von Begrünungssystemen auf das unmittelbare Mikroklima. <http://hdl.handle.net/20.500.12708/192079>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Korjenic, A., Teichmann, F., Sreckovic, M., Knoll, B., Dopheide, R., Schiefermair, F., Hackspiel, C., & Gmeiner, S. (2023). MehrGrüneSchulen?: Endbericht. <http://hdl.handle.net/20.500.12708/192080>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Fischer, H. S., Kirchengast, I., & Korjenic, A. (2023). natuREbuilt – Innovationsnetzwerk für regenerative, rezyklierbare, regionale und resiliente Komponenten im Hochbau?: Endbericht. <http://hdl.handle.net/20.500.12708/192082>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Diaz Flores, R., Hellmich, C., Pichler, B., Scharf, R., & Sorgner, M. (2023). D3.2.2 Report Multiscale Material and Structural Modelling. <http://hdl.handle.net/20.500.12708/192087>

[Link](#)

201 Bauwesen

Hortschitz, W., Kainz, A., Keplinger, F., Besic, H., Hirtl, R., & Schmid, G. (2023). Erprobung, Weiterentwicklung und Validierung von neuartiger Messtechnik für statische und niederfrequente elektrische und magnetische Felder. <http://hdl.handle.net/20.500.12708/192086>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Parravicini, V., Walcher, E., & Krampe, J. (2023). Laboruntersuchung zur biologischen anaeroben-aeroben Behandlung von Melasse-Raffinat der Agrana Tulln. <http://hdl.handle.net/20.500.12708/192088>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Parravicini, V., & Prendl, L. (2023). Großtechnischer Versuch zur anaeroben Raffinatverwertung bei der Abwasserreinigungsanlage der Agrana Zucker Zuckerfabrik Tulln. <http://hdl.handle.net/20.500.12708/192089>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Prenzl, L., & Parravicini, V. (2023). Bericht über die Untersuchung der Betriebsabwasserreinigungsanlage der Zuckerfabrik Leopoldsdorf am 27./28.09.2021 sowie die Auswertung der Betriebsdaten für den Betrieb außerhalb der Kampagne 2021. <http://hdl.handle.net/20.500.12708/192090>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Prenzl, L., & Parravicini, V. (2023). Bericht über die Untersuchung der Betriebsabwasserreinigungsanlage

der Zuckerfabrik Leopoldsdorf am 30.11./01.12.2021 sowie die Auswertung der Betriebsdaten für die Kampagne 2021/22. <http://hdl.handle.net/20.500.12708/192091>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Parravicini, V., & Prendl, L. (2023). Untersuchung der Abwasserreinigungsanlage der Agrana Zuckerfabrik Tulln während der Kampagne 2021/22 und Auswertung der Betriebsdaten für das Jahr 2021. <http://hdl.handle.net/20.500.12708/192094>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Leitner, A., Frankus, E., Spitzer, F., Dörfler-Bolt, S., Hartner-Tiefenthaler, M., Buchberger, S., Schmid, J., Wuketich, M., Wernhart, G., Baierl, A., Alexandru, A., & Toma, A.-M. (2023). Smart Working?: Frauen in Führungsposition stärken. <https://doi.org/10.34726/5474>

[Link](#)

502 Wirtschaftswissenschaften

509 Andere Sozialwissenschaften

Geringer, B., Hofbauer, H., Müller, S., Popov, T., Heindl, F., Ponweiser, K., Galovic, J., & Konrad, J. (2023). GLOCK ResearchLab: 3. Jahresbericht. <http://hdl.handle.net/20.500.12708/192098>

[Link](#)

204 Chemische Verfahrenstechnik

Prießnitz, M., & Muik, M. (2023). Endbericht FFG Projekt VIPER (No. 3). <http://hdl.handle.net/20.500.12708/192791>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Donabaum, J., Singer, F., Pöchgraber, G., Sulz, C., Ader, K., & Pickel, L. (2023). Optische Personendetektion mittels Deep Learning Methoden im Bereich der Sicherheitstechnik - Machbarkeitsstudie. <http://hdl.handle.net/20.500.12708/154233>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Singer, F., Pickel, L., & Pöchgraber, G. (2023). Machbarkeitsstudie – Dynamische Qualitätsbeurteilung von HSS Draht. <http://hdl.handle.net/20.500.12708/154219>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Pickel, L., Singer, F., & Pöchgraber, G. (2023). Komponentenwahl – Fehlerbewertung von HSS Draht im μ -Bereich. <http://hdl.handle.net/20.500.12708/154177>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Singer, F., Pickel, L., & Pöchgraber, G. (2023). Machbarkeitsstudie – Erweiterte Qualitätssicherung von HSS Draht im dynamischen Zustand. <http://hdl.handle.net/20.500.12708/154221>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau

Habersohn, C. (2023). Betriebsanleitung Messsystem PlanCut TCC Sonderausführung CTX Beta 1250 TC Schleifen.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau

Tercan, A., Ghosh, A., Eniser, H. F., Christaki, M., & Singla, A. (2023). Synthesizing a Progression of Subtasks for Block-Based Visual Programming Tasks. <https://doi.org/10.48550/arXiv.2305.17518>

[Link](#)

102 Informatik

Eniser, H. F., Wüstholtz, V., & Christaki, M. (2023). Automatically Testing Functional Properties of Code Translation Models. <https://doi.org/10.48550/arXiv.2309.12813>

[Link](#)

102 Informatik

Jagenteufel, H., Weisz, L., Kreuzinger, N., & Krampe, J. (2023). Untersuchung der Kläranlage des Abwasser Service Betriebs Guntramsdorf, 28.-29. Juni 2023.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Böhme, M., Christaki, M., Padhye, R., Serebryany, K., Zeller, A., & Eniser, H. F. (2023). Software Bug Detection: Challenges and Synergies. <https://doi.org/https://doi.org/10.4230/DagRep.13.3.92>

[Link](#)

102 Informatik

Hensel, M. U., Tyc, J. M., Sunguroglu Hensel, D., Ahmeti, A., & Cifci, M. A. (2023). ECOLOPES Voxel Model (D5.3). <http://hdl.handle.net/20.500.12708/190443>

[Link](#)

102 Informatik

106 Biologie

201 Bauwesen

Deix, K. (2023). Bericht betreffend die Untersuchung von Polystyrolbeton-Niveaueausgleich. <http://hdl.handle.net/20.500.12708/191105>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Huber, T., Menes, P., & Kollegger, J. (2023). Anwendung des PSC-Modells zur Bestimmung der Querkrafttragfähigkeit der Enterbachbrücke sowie Handlungsanweisung (E212/20231). <http://hdl.handle.net/20.500.12708/191102>

[Link](#)

201 Bauwesen

Huber, T., Riedler, T., Untermarzoner, F., & Kollegger, J. (2023). Anwendung des PSC-Modells zur Bestimmung der Querkrafttragfähigkeit der EÜ Saara (E212/20232). <http://hdl.handle.net/20.500.12708/191103>

[Link](#)

201 Bauwesen

Hensel, M. U., Ahmeti, A., Tyc, J. M., Cifci, M. A., & Sunguroglu Hensel, D. (2023). ECOLOPES Computational Model (D5.4). <http://hdl.handle.net/20.500.12708/190442>

[Link](#)

102 Informatik

106 Biologie

201 Bauwesen

Melnyk, O., Wenighofer, R., Niedermoser, C., Mierzejek, M., & Flandera, T. (2023). Auftraggeber- Informationsanforderungen - AIA für Tunnelbauprojekte. Österreichische Bautechnik Vereinigung. <http://hdl.handle.net/20.500.12708/190433>

[Link](#)

201 Bauwesen

Melnyk, O., Wenighofer, R., Flandera, T., Mierzejek, M., & Niedermoser, C. (2023). BIM Abwicklungsplan – BAP für Tunnelbauprojekte. Österreichische Bautechnik Vereinigung. <http://hdl.handle.net/20.500.12708/190434>

[Link](#)

201 Bauwesen

Melnyk, O., Wenighofer, R., & Mierzejek, M. (2023). BIM Modellierungsleitfaden für Tunnelbauprojekte. Leitfaden. Österreichische Bautechnik Vereinigung. <http://hdl.handle.net/20.500.12708/190432>

[Link](#)

201 Bauwesen

Deere, D., Jones, D., Ahmed, W., Medema, G., Kreuzinger, N., Remmonay, I., Lacroix, S., Hewitt, J., Tavazzi, S., & Gawlik, B. (2023). Ad-hoc guidance?: Wastewater sampling of aircrafts for SARS-CoV-2 surveillance?: A guidance document for Member States. European Commission. <https://doi.org/10.34726/5322>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Deix, K. (2023). Bericht über Untersuchung des Trocknungsverlaufes und der Festigkeit von Zementestrichproben mit Glass-Zusatzmittel. <http://hdl.handle.net/20.500.12708/191104>

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Huber, B. (2023). Wakrah and Wukair Drainage Tunnel – Detail Design – CFD Modelling Shaft WS10 (C853/2-PHM-GEN-HYD-RPT-6). <http://hdl.handle.net/20.500.12708/192033>

[Link](#)

102 Informatik

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Huber, B. (2023). Wakrah and Wukair Drainage Tunnel?: Detail Design – CFD Modelling Shaft WS09 (No. C8532-PHM-GEN-HYD-RPT-5). <http://hdl.handle.net/20.500.12708/192034>

[Link](#)

102 Informatik

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Sonnleithner, A., & Pöchgraber, G. (2023). Finite Elemente Analyse eines Kettenrads aus PA6. <http://>

hdl.handle.net/20.500.12708/192075

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Pühringer, F., Banabak, S., Kalasek, R., & Kramar, H. (2023). PEGASUS. Abbildung multimodaler Pendlerströme?: Forschungskoooperation TU Wien – AK Wien?: Technische Dokumentation. <https://doi.org/10.34726/5473>

[Link](#)

201 Bauwesen
507 Humangeographie, Regionale Geographie, Raumplanung

Bozzato, L., Eiter, T., Kiesel, R. P. D., & Stepanova, D. (2023). Contextual Reasoning for Scene Generation. Technical Report. <https://doi.org/10.48550/arXiv.2305.02255>

[Link](#)

101 Mathematik
102 Informatik

Ehrmann, K., & Kojic, D. (2023). Front cover (Vol. 42) [Still Image]. <https://doi.org/10.1039/D3PY90134C>

[Link](#)

104 Chemie
205 Werkstofftechnik

Baumüller, J., & Mayr, J. (2023). Corporate Sustainability Reporting Directive (CSRD) (Vol. 113) [Sound].

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J. (2023). Nachhaltigkeitsberichterstattung (Vol. 2) [Sound].

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Harrer, G. (2023). Erklär mir Kernfusion (Vol. 265) [Sound].

[Link](#)

103 Physik, Astronomie

Marie-Therese Brault, & Gebeshuber, I.-C. (2023). Das lernen wir aus 3,8 Milliarden Jahren Forschung [Video]. <http://hdl.handle.net/20.500.12708/175834>

[Link](#)

103 Physik, Astronomie

Schöfl, C., Peßl, H., Hauer, D., Thomann, B., Lampl, C., Matzinger, M., Reihls, D., & Gruber, D. (2023). CLUE Project Video - Demoregion Gasen [Video].

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Schöfl, C., Peßl, H., Hauer, D., Thomann, B., Lampl, C., Matzinger, M., Reihls, D., & Gruber, D. (2023). CLUE Project Video - BIFROST [Video].

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Mirwald, J., Niszl, C., Eberhardsteiner, L., & Hofko, B. (2023, January 7). Quantifying the Influence of Heating and Resting on The Formation of the Asphalt Binder Microstructure [Poster Presentation].

Transportation Research Board (TRB) 102st Annual Meeting (Washington, D.C., INT), Washington D.C., United States of America (the). <http://hdl.handle.net/20.500.12708/154176>

[Link](#)

104 Chemie

201 Bauwesen

Dheeraj Adwani, Sreeram, A., Pipintakos, G., Mirwald, J., Yudi Wang, Ramez Hajj, Ruxin Jing, & Bhasin, A. (2023, January 8). Interpreting the effectiveness of antioxidants to increase the resilience of asphalt binders: A global interlaboratory study [Poster Presentation]. Transportation Research Board (TRB) 102st Annual Meeting, Washington, United States of America (the).

[Link](#)

104 Chemie

201 Bauwesen

Hofer, K., Mirwald, J., Bhasin, A., & Hofko, B. (2023, January 10). Low-Temperature Characterization of Asphalt Binder and Correlation to Chemical Properties [Poster Presentation]. 2023 TRB Annual Meeting - Transportation Research Board, Washington, D.C., United States of America (the).

[Link](#)

104 Chemie

201 Bauwesen

Diebold, U., Franceschi, G., Lezuo, L., Conti, A., Hütner, J. I., & Balajka, J. (2023, February 10). Atomically-resolved UHV ncAFM of mineral surfaces [Poster Presentation]. 36th Workshop on Novel Materials and Superconductors, Schladming/Stmk, JUFA Schladming, Austria. <http://hdl.handle.net/20.500.12708/152328>

[Link](#)

103 Physik, Astronomie

Zhao, B., Tang, Y., Soga, K., Zhou, X., Wang, B., & Huang, J. (2023, January). An integrated data-driven agent-based simulation (AAAM) for dynamic operations and individual behavior in urban rail transit systems [Poster Presentation]. Transportation Research Board (TRB) 102nd Annual Meeting, Washington, DC, United States of America (the).

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Wang, C., Antos, S. E., Gosling-Goldsmith, J. G., Triveno, L. M., & Zhao, B. (2023, January). A Vision-based Two-phase Framework for Urban Road Safety Evaluation: Data and Algorithms [Poster Presentation]. Transportation Research Board (TRB) 102nd Annual Meeting, Washington, DC, United States of America (the).

[Link](#)

201 Bauwesen

502 Wirtschaftswissenschaften

Bleicher, F. (2023, February 2). Trends und neue Kollaborationsmodelle in der Fertigungsindustrie [Poster Presentation]. SAP-Innovationsveranstaltung, Seestadt Pilotfabrik, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Huber, M., Schöbinger, M., Stöger, B., & Weinberger, P. (2023, February 8). Towards a novel meso-tetrazole BODIPY ligand system exhibiting enhanced solid-state emission properties [Poster Presentation]. 36. Workshop on Novel Materials and Superconductors 2023, JUFA Schladming, Austria, Austria.

[Link](#)

104 Chemie

Schöbinger, M., Huber, M., Stöger, B., Reissner, M., & Weinberger, P. (2023, February 8). Tailoring spin transition properties for a series of luminescence active BODIPY-tetrazole Fe(II) complexes [Poster Presentation]. 36. Workshop on Novel Materials and Superconductors 2023, JUFA Schladming, Austria, Austria.

[Link](#)

104 Chemie

Smith, J., Werner, A., & Weinberger, P. (2023, February 8). Mixed Tutton salts in thermochemical energy storage [Poster Presentation]. 36. Workshop on Novel Materials and Superconductors 2023, JUFA Schladming, Austria, Austria.

[Link](#)

104 Chemie

Werner, J., Smith, J., Werner, A., & Weinberger, P. (2023, February 8). Synthesis and characterization of novel calcium dicarboxylate hydrates as thermochemical energy storage materials [Poster Presentation]. 36. Workshop on Novel Materials and Superconductors 2023, JUFA Schladming, Austria, Austria.

[Link](#)

104 Chemie

Mundigler, S., Huber, M., Schöbinger, M., & Weinberger, P. (2023, February 8). Design and synthesis of novel tetrazole-BODIPY ligands for luminescence active Fe(II) SCO complexes [Poster Presentation]. 36. Workshop on Novel Materials and Superconductors 2023, JUFA Schladming, Austria, Austria. <http://hdl.handle.net/20.500.12708/152801>

[Link](#)

104 Chemie

Yin, H. (2023, February 15). Probing catalytic sites and adsorbate spillover on ultrathin FeO₂x/ Ir(111) during (Preferential) CO Oxidation (poster [Poster Presentation]. 2023 Chemical reactivity at surfaces GRC, Lucca (Barga), Renaissance Tuscany Il Ciocco, Italy.

[Link](#)

103 Physik, Astronomie

Zischka, F., Opelt, K., & Gebeshuber, I.-C. (2023, February 22). Diatoms as Inspiration for the Semiconductor Industry - Hinges and Interlocking Devices on the Micro- and Nanoscale (poster) [Poster Presentation]. SusNanoFab - Final Networking Event, Wien, TU Wien, Austria.

[Link](#)

103 Physik, Astronomie

Gisinger, F., & Gebeshuber, I.-C. (2023, February 23). Managing Insect Feet: Biomimetics of Plant Wax Based Non-Toxic Insect Repellents (poster) [Poster Presentation]. SUSNANOFAB Final Networking Event, Wien, TU Wien, Austria.

[Link](#)

103 Physik, Astronomie

Schröder, C., Palma Cazorla, M., Barrabés Rabanal, N., & Sanchez Sanchez, M. C. (2023, February 21). Tandem Metal Oxide Zeolite Catalysts for CO₂ Utilization [Poster Presentation]. 34. Deutsche Zeolith-Tagung, Wien, Austria.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

You Shengbo, Lu, P.-H., Schachinger, T., Allars, F., Kovacs Andras, Dunin-Borkowski, R., & Maiden Andrew. (2023, February 28). Magnetic phase imaging using Lorentz near-field electron ptychography

[Poster Presentation]. MC Darmstadt 2023, Darmstadt, Germany.

[Link](#)

103 Physik, Astronomie

210 Nanotechnologie

Pilat, F., Opacak, N., Kazakov, D., Dal Cin, S., Capasso, F., Strasser, G., & Schwarz, B. (2023, February 15). Hot-Cavity Linewidth Enhancement Factor of a Quantum Cascade Frequency Comb [Poster Presentation]. 22nd International Winterschool New Developments in Solid State Physics, Mauterndorf, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Giparakis, M., Ertl, M. C., Kainz, M. A., Limbacher, B., Iseri, S., Schwarz, B., Schrenk, W., Strasser, G., Bastard, G., Unterrainer, K., & Andrews, A. M. (2023, February). Anomalous temperature effect in low doped GaAs/AlGaAs superlattices [Poster Presentation]. 22nd International Winterschool New Developments in Solid State Physics, Mauterndorf, Austria. <http://hdl.handle.net/20.500.12708/175721>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Winkler, P., Zeininger, J., Raab, M., Suchorski, Y., Steiger-Thirsfeld, A., Stöger-Pollach, M., Amati, M., Gregoratti, L., Grönbeck, H., & Rupprechter, G. (2023, February 8). In-Situ Imaging of Multi-States in a Catalytic Surface Reaction [Poster Presentation]. 36. Workshop on Novel Materials and Superconductors 2023, JUFA Schladming, Austria, Austria.

[Link](#)

103 Physik, Astronomie

104 Chemie

Spielauer, T., Kolb, M., Weigner, T., Toyfl, J., Boero, G., & Haslinger, P. (2023, April 13). Towards Driving Quantum Systems in Cryogenic Environments with the Near-Field of Modulated Electron Beams [Poster Presentation]. 13th ASEM Workshop, University of Vienna, Austria. <https://doi.org/10.34726/3961>

[Link](#)

103 Physik, Astronomie

Burger, I., Schmal, M., Zimmermann, C., Birner-Grünberger, R., & Schittmayer-Schantl, M. (2023, April 12). Proteomics, metabolomics and molecular networking as tools for the identification of fungal RiPPs [Poster Presentation]. ANAKON 2023, Wien, Austria.

[Link](#)

104 Chemie

Hampel, S., Mähler, F., Iro, M., Ingerle, D., Strelj, C., Fox, O. J. L., Sawhney, K., & Fittschen, U. E. A. (2023, April 12). 3D printed metal containing polymer layers as reference samples in micro XRF analysis [Poster Presentation]. ANacon 2023, Wien, Austria.

[Link](#)

103 Physik, Astronomie

104 Chemie

Preimesberger, A., Hornof, D., Schachinger, T., Pupic, A., Konecná, A., & Haslinger, P. (2023, April 13). Towards correlated momentum measurements in coincident electron photon pairs [Poster Presentation]. 13th ASEM Workshop, Wien, Austria. <http://hdl.handle.net/20.500.12708/176738>

[Link](#)

103 Physik, Astronomie

Hornof, D., Schüle, M., Maurer, M., Preimesberger, A., Schachinger, T., & Haslinger, P. (2023, April 14). Temporal correlatins of cathodoluminescence in scanning electron microscopy [Poster Presentation]. 13th ASEM Workshop Vienna 2023, Wien, Austria. <http://hdl.handle.net/20.500.12708/176737>

[Link](#)

103 Physik, Astronomie

Nikolaev, D., Saric, Z., Schmid, T., Mertain, W., Köpl, S., & Bleicher, F. (2023, April 25). 2ARMY: Automated Additive Repair and Manufacturing System [Poster Presentation]. 3. Fachtagung FORTISSIMO, MARTIN-Kaserne Ing. Hans-Sylvester-Straße 6, 7000 Eisenstadt, Austria. <https://doi.org/10.5281/zenodo.7848387>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

205 Werkstofftechnik

Huber, M., Schöbinger, M., Stöger, B., Reissner, M., & Weinberger, P. (2023, April 18). Development of a novel heteroleptic BODIPY-tetrazole-Fe(II) SCO-fluorescence coordination compound with T $\frac{1}{2}$ tunability [Poster Presentation]. Dalton Conference, Coventry, United Kingdom of Great Britain and Northern Ireland (the). <http://hdl.handle.net/20.500.12708/177006>

[Link](#)

104 Chemie

Schöbinger, M., Huber, M., Stöger, B., & Weinberger, P. (2023, April 18). Synthesis and characterization of novel BODIPY fluorophores with meso-1H-tetrazole substitution for future iron(II) SCO-PL systems [Poster Presentation]. Dalton Conference, Coventry, United Kingdom of Great Britain and Northern Ireland (the). <http://hdl.handle.net/20.500.12708/176949>

[Link](#)

104 Chemie

Mundigler, S., Huber, M., Schöbinger, M., & Weinberger, P. (2023, April 18). Emission wavelength tuning of meso-tetrazole BODIPY ligands for luminescent Fe(II)-SCO complexes [Poster Presentation]. Dalton Conference, Coventry, United Kingdom of Great Britain and Northern Ireland (the). <http://hdl.handle.net/20.500.12708/176966>

[Link](#)

104 Chemie

Stude, B., Kappel, E., Brezina, T., & Gallian, L. (2023, May 9). Kids cycle more if... - What parents, schools and police can do to get kids into cycling! [Poster Presentation]. Velo City 2023, Leipzig, Germany. <http://hdl.handle.net/20.500.12708/177547>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Barutel, C. M. A., & Fürthauer, S. (2023, April 16). Out of equilibrium patterning on cytoskeletal filaments [Poster Presentation]. meeting mitotic spindle: from living and synthetic systems to theory, Dubrovnik, Croatia.

[Link](#)

103 Physik, Astronomie

Jomar, H. E., Karaca, H., Krainer, R., & Pogany, D. (2023, May 8). Compact modeling of sequential finger triggering in multi-finger SCRs using RC coupling [Poster Presentation]. International Electrostatic Discharge Workshop (IEW) 2023, Tutzing, Germany.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Fellinger, M., Cupak, C., Lopez-Cazalilla, A., Biber, H. A., Brötzner, J., Granberg, F., Gonzalez-Arrabal, R., & Aumayr, F. (2023, May 25). Nanostructured tungsten surfaces: Sputtering properties and potential as a first wall material coating [Poster Presentation]. 19th International Conference on Plasma-Facing

Materials and Components for Fusion Applications (PFMC-19), Bonn, Germany. <http://hdl.handle.net/20.500.12708/177542>

[Link](#)

103 Physik, Astronomie

Wurzer, G., Ugljanin, N., Bindreiter, S., & Lorenz, W. (2023, May 23). Material intensity of inner development [Poster Presentation]. SimAUD Symposium on Simulation for Architecture and Urban Design, Hamilton, Ontario, Canada. <https://doi.org/10.34726/4322>

[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Diekmann, O., Krimer, D., & Rotter, S. (2023, March 6). Ultrafast excitation exchange in multimode cavities [Poster Presentation]. SAMOP23, Hannover, Germany. <http://hdl.handle.net/20.500.12708/177587>

[Link](#)

103 Physik, Astronomie

Diekmann, O., Krimer, D., & Rotter, S. (2023, March 29). Ultrafast excitation exchange in a Maxwell-Fish-Eye lens [Poster Presentation]. Quantum Control of Light - 783. WE-Heraeus-Seminar, Bad Honnef, Germany. <http://hdl.handle.net/20.500.12708/177589>

[Link](#)

103 Physik, Astronomie

Rachbauer, L. M., Bouchet, D., Leonhardt, U., & Rotter, S. (2023, March 30). The Quantum Wigner-Smith Operator: Micromanipulation, Metrology and Vacuum Forces [Poster Presentation]. Quantum Control of Light. 783. WE-Heraeus-Seminar, Bad Honnef, Germany. <http://hdl.handle.net/20.500.12708/177592>

[Link](#)

103 Physik, Astronomie

Mecklenbräuker, C., Gerstoff, P., Ollila, E., & Park, Y. (2023, June 16). Robust and Sparse M-Estimation of DOA [Poster Presentation]. International Seminar on Smart Wireless Communications 2023, Sophia-Antipolis, France.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Miksovsky, P., Rauchenwald, K., Horn, E. N., Naghdi, S., Eder, D., Konegger, T., Schnürch, M., & Schröder, K. (2023, April 25). Continuous Formation of Bioderived Carbonates in Supercritical Carbon Dioxide Catalyzed by Supported Ionic Liquids [Poster Presentation]. COIL9. Congress on Ionic Liquids, Lyon, France. <http://hdl.handle.net/20.500.12708/187158>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Miksovsky, P., Kornpointner, C., Lanaridi, O., Sainz Martinez, A., Limbeck, A., Eder, D., Schnürch, M., Halbwirth, H., & Schröder, K. (2023, May 26). Waste valorization. Recovery of valuable compounds from waste materials with alternative solvents [Poster Presentation]. Science Days of TCH, Wien, Austria. <http://hdl.handle.net/20.500.12708/187021>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Kern, L. M., Baldreich, L., Böhm, J., Böhm, S., Gruber, J. F., Hellerschmied, A., Jaron, F. F. D., Krasna,

H., Mayer, D., Nothnagel, A. G., Panzenböck, O., Steinmetz, S., & Wolf, H. (2023, May 10). Vienna Center for VLBI [Poster Presentation]. 14. Österreichischer Geodätentag 2023, Steyr, Austria. <https://doi.org/10.34726/4402>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Rachbauer, L. M., Bouchet, D., Leonhardt, U., & Rotter, S. (2023, June 21). The Quantum Wigner-Smith Operator: Micromanipulation, Metrology and Vacuum Forces [Poster Presentation]. EGAS 54, Straßburg, France. <http://hdl.handle.net/20.500.12708/187148>

[Link](#)

103 Physik, Astronomie

Hütner, J. I., Conti, A., Kugler, D., Mittendorfer, F., Diebold, U., Schmid, M., & Balajka, J. (2023, June 19). The Atomic structure of the reconstructed Al₂O₃(0001) surface [Poster Presentation]. Cluster Meeting 2023, Prag, Czechia. <http://hdl.handle.net/20.500.12708/187224>

[Link](#)

103 Physik, Astronomie

Schiefer, A., Rudroff, F., Schober, L., & Winkler, M. (2023, June 26). Biocatalytic oxidative cleavage of alkenes using novel metal-dependent aromatic dioxygenases [Poster Presentation]. Biotrans 2023, La Rochelle, France.

[Link](#)

104 Chemie

106 Biologie

Glaner, M. F., & Weber, R. (2023, May 10). Precise Point Positioning with high-quality and low-cost GNSS data [Poster Presentation]. 14. Österreichischer Geodätentag 2023, Steyr, Austria.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Fürthauer, S. (2023, July 4). The physics of highly crosslinked cytoskeletal network [Poster Presentation]. Physics of living systems: From physical principles to biological function (EMBO Workshop), Dresden, Germany.

[Link](#)

103 Physik, Astronomie

Zampetaki, A., & Fürthauer, S. (2023, July 4). Cytoskeletal Networks at Interfaces [Poster Presentation]. Physics of living systems: From physical principles to biological function (EMBO Workshop), Dresden, Germany.

[Link](#)

103 Physik, Astronomie

Patricolo, M., Heinzelmann, S., Bonetti, P. M., Vilardi, D., & Andergassen, S. (2023, May 4). Pseudogap opening in the Hubbard model at strong coupling [Poster Presentation]. Exploring New Topics with Functional Renormalisation, Germany.

[Link](#)

103 Physik, Astronomie

Fraboulet, K., Al-Eryani, A., Andergassen, S., & Heinzelmann, S. (2023, July 24). Single-boson-exchange functional renormalization group and its application to the Hubbard model [Poster Presentation]. Workshop “Correlations in Novel Quantum Materials” 2023, Germany.

[Link](#)

103 Physik, Astronomie

Fraboulet, K., Heinzelmann, S., Al-Eryani, A., Bonetti, P. M., Vilardi, D., Toschi, A., & Andergassen, S. (2023, May 4). Multiloop single-boson-exchange fRG and its application to the two-dimensional Hubbard model [Poster Presentation]. Exploring New Topics with Functional Renormalisation, Germany. <http://hdl.handle.net/20.500.12708/187801>

[Link](#)

103 Physik, Astronomie

Al-Eryani, A., Heinzelmann, S., Fraboulet, K., Scherer, M., & Andergassen, S. (2023, July 24). Efficient fRG flow equations for extended interactions and an application to the square and triangular lattices [Poster Presentation]. Workshop “Correlations in Novel Quantum Materials” 2023, Germany.

[Link](#)

103 Physik, Astronomie

Krämer, M., Fraboulet, K., Vilardi, D., Bonetti, P. M., Meixner, M., Schäfer, T., & Andergassen, S. (2023, July 24). Cluster extension of DMF2RG [Poster Presentation]. Workshop “Correlations in Novel Quantum Materials” 2023, Stuttgart, Germany.

[Link](#)

103 Physik, Astronomie

Patricolo, M., Vilardi, D., Heinzelmann, S., Andergassen, S., & Bonetti, V. (2023, July 24). Pseudogap opening in the Hubbard model at strong coupling [Poster Presentation]. Workshop “Correlations in Novel Quantum Materials” 2023, Germany.

[Link](#)

103 Physik, Astronomie

Meixner, M., Klett, M., Heinzelmann, S., Wentzell, N., Hansmann, P., Andergassen, S., & Schäfer, T. (2023, July 24). The Mott metal-insulator transition in the two-dimensional Hubbard model - a cellular dynamical mean-field study on large clusters [Poster Presentation]. Workshop “Correlations in Novel Quantum Materials” 2023, Germany. <http://hdl.handle.net/20.500.12708/187908>

[Link](#)

103 Physik, Astronomie

Schröder, C., Palma Cazorla, M., Barrabés Rabanal, N., & Sanchez Sanchez, M. C. (2023, July 2). Tandem Metal Oxide Zeolite Catalysts for CO₂ Utilization [Poster Presentation]. 9th Conference of the Federation of the European Zeolite Associations, Portorose, Slovenia.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Jankovic, S., Hammerschmid, M., Stanger, L., Bartik, A., Benedikt, F., & Müller, S. (2023, June 5). Implementation of a Digital Twin for a Pilot Plant for Synthetic Natural Gas Production from Biomass [Poster Presentation]. 31st European Biomass Conference and Exhibition, Bologna, Italy. <http://hdl.handle.net/20.500.12708/187779>

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102 Informatik

204 Chemische Verfahrenstechnik

Niggas, A., Werl, M., Thima Daniel, Aumayr, F., & Wilhelm, R. A. (2023, July 24). Electron energy distribution emitted from freestanding single-layer graphene upon impact of highly charged ions [Poster Presentation]. 2nd Symposium on Electron, Photon, and Ion Collisions on Molecular & Atomic Nanostructures (EPIC-MAN 2), Ottawa, Canada. <http://hdl.handle.net/20.500.12708/187929>

[Link](#)

103 Physik, Astronomie

Brötzner, J., Biber, H. A., Jäggi, N., Szabo, P., Cupak, C., Galli, A., Wurz, P., & Aumayr, F. (2023, July 28). Collisions between solar wind ions and the lunar surface [Poster Presentation]. 33rd International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC), Ottawa, Canada. <http://hdl.handle.net/20.500.12708/187855>

[Link](#)

103 Physik, Astronomie

Werl, M., Niggas, A., Koller, T., Haidegger, P., Tökési, K., Aumayr, F., & Wilhelm, R. A. (2023, July 28). A numerical approach to the deexcitation of a hollow atom [Poster Presentation]. 33rd International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC), Ottawa, Canada. <http://hdl.handle.net/20.500.12708/187857>

[Link](#)

103 Physik, Astronomie

Wilhelm, R. A., Niggas, A., & Aumayr, F. (2023, July 28). Can the ion charge state be observed while travelling within a solid? [Poster Presentation]. 33rd International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC), Ottawa, Canada. <http://hdl.handle.net/20.500.12708/187858>

[Link](#)

103 Physik, Astronomie

Chirita-Mihaila, M. C., Szabo, G., Redl, A., Goldberger, M., & Wilhelm, R. A. (2023, July 31). Ultrafast electron-stimulated desorption to form ion pulses for time-resolved ion surface collision experiments [Poster Presentation]. 33rd International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC), Ottawa, Canada. <http://hdl.handle.net/20.500.12708/187862>

[Link](#)

103 Physik, Astronomie

Jaritz, S., Rufin, M., Schütz, G., Thurner, P., & Andriotis, O. (2023, August 2). A correlative study using single molecule localization microscopy and atomic force microscopy of collagen fibrils [Poster Presentation]. 14th EBSA European Biophysics Congress, Stockholm, Sweden.

[Link](#)

103 Physik, Astronomie

Harrer, G., Radovanovic, L., Faitsch, M., Wolfrum, E., Cathey, A., Dunne, M. G., Brida, D., Griener, M., Labit, B., Gil, L., Le Bec, Y., Krach P., & Aumayr, F. (2023, July 3). Progressing the understanding and applications of the QCE scenario [Poster Presentation]. 49th Conference on Plasma Physics – EPS, Bordeaux, France.

[Link](#)

103 Physik, Astronomie

Polyushkin, D., Piacentini, A., Uzlu, B., Grundmann, A., Heuken, M., Kalisch, H., Vescan, A., Müller, T., Lemme, M. C., & Neumaier, D. (2023). Flexible CMOS inverters based on transition metal dichalcogenides [Poster Presentation]. Graphene Study 2023, Obergurgl, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hofreither, D., Tomin, T., Jahnelt, S., Mendjan, S., Schittmayer-Schantl, M., & Birner-Grünberger, R. (2023, June 15). Mass Spectrometry-Based Examination of Metabolic and Redox- Associated Pathomolecular Mechanisms of the Failing Heart [Poster Presentation]. EMBO Practical Course: Characterisation of post-translational modifications in cellular signalling, Odense, Denmark. <http://hdl.handle.net/20.500.12708/188014>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Hofreither, D., Tomin, T., Janel, S., Mendjan, S., Schittmayer-Schantl, M., & Birner-Grünberger, R. (2023, May 12). Proteomic and redox metabolomic investigation of pathological mechanisms of the failing heart [Poster Presentation]. 30. Jahrestagung der AAS (Austrian Atherosclerosis Society), St. Gilgen, Austria. <http://hdl.handle.net/20.500.12708/188019>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Honeder, S., Liesinger, L., Gindlhuber, J., Tomin, T., Schittmayer-Schantl, M., Brcic, L., Lindenmann, J., & Birner-Grünberger, R. (2023, July 30). Activity-based proteomic profiling reveals reduction of lipid hydrolase activity levels in lung tumors [Poster Presentation]. FEBS 2023 Advanced Course: 15th European Summer School Advanced Proteomics, Brixen, Italy. <http://hdl.handle.net/20.500.12708/188135>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Höhlschen, J. M., Hofreither, D., Tomin, T., & Birner-Grünberger, R. (2023, July 30). Effects of gliflozins on proteome of cardiomyocytes [Poster Presentation]. FEBS 2023 Advanced Course: 15th European Summer School Advanced Proteomics, Brixen, Italy. <http://hdl.handle.net/20.500.12708/188042>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Yoshida, S., Burgdörfer, J., Brienza, R., Fields, G., & Dunning, F. B. (2023). $5p1/2n1j$ autoionizing states of strontium for $0 = 1 = 5$ [Poster Presentation]. CATMIN III?: Frontiers in Rydberg Physics, London, United Kingdom of Great Britain and Northern Ireland (the). <http://hdl.handle.net/20.500.12708/188500>

[Link](#)

103 Physik, Astronomie

Laha, A., Böhm, J., Böhm, S., Dikshit, O., & Balasubramanian, N. (2023, July 11). Determination of Earth orientation parameters from VLBI and comparison with other space geodetic techniques [Poster Presentation]. The 28th General Assembly of the International Union of Geodesy and Geophysics (IUGG), Berlin, Germany. <https://doi.org/10.34726/5285>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Radovanovic, L., Wolfrum, E., Dunne, M. G., Görler, T., Harrer, G., & Aumayr, F. (2023, August 24). Exploring the influence of plasma triangularity on pedestal stability and structure on ASDEX Upgrade [Poster Presentation]. FuseNet PhD Event 2023, Lausanne, Switzerland.

[Link](#)

103 Physik, Astronomie

Diekmann, O., Krimer, D., & Rotter, S. (2023, August 30). Ultrafast excitation exchange in a Maxwell-Fish-Eye lens [Poster Presentation]. VCQ Summer School 2023, TU Wien, Austria.

[Link](#)

103 Physik, Astronomie

Singh, S., Böhm, J., Krasna, H., Balasubramanian, N., & Dikshit, O. (2023, July). Geophysical Modelling in VLBI Analysis [Poster Presentation]. 28th IUGG General Assembly, Berlin, Germany.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Bishara, M., Brumovska, V., Arnold, A. M., Kalouskova, B., Fülöp, G., Schütz, G., & Sevcik, E. (2023, August 2). Determining the nanoscopic membrane environment of transmembrane proteins in live-cells with protein micropatterning [Poster Presentation]. European Biophysical Societies Association (EBSA Congress) 2023, Stockholm, Sweden.

[Link](#)

103 Physik, Astronomie

106 Biologie

Palma Cazorla, M., Schröder, C., Schrenk, F., Rameshan, C., Barrabés Rabanal, N., & Sanchez Sanchez, M. C. (2023, August 28). The effect of ZrO₂ in the activity of Cu/CeO₂ catalysts for the reverse water gas shift reaction [Poster Presentation]. 15th European Congress on Catalysis - EUROPA CAT 2023, Prague, Czechia. <http://hdl.handle.net/20.500.12708/188499>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Lescic Asler, I., Steinberger, S., Weiss, V., Marchetti-Deschmann, M., Jelic Matosevic, Z., Radman, K., & Bertosa, B. (2023, July). Protein dynamics and DNA binding of native metal-sensing transcription factor MntR from *Bacillus subtilis* and its D8C/E99C double mutant [Poster Presentation]. The 47th FEBS Congress (FEBS 2023), Tours, France.

[Link](#)

104 Chemie

Kern, L. M., Krasna, H., Nothnagel, A. G., Böhm, J., & Madzak, M. (2023). Issues of terrestrial geodetic datum definition in VLBI data analysis [Poster Presentation]. 28th IUGG General Assembly, Berlin, Germany.

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102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Al-Eryani, A., Scherer, M., & Andergassen, S. (2023, September 5). Single Boson Exchange fRG for Extended Hubbard Interactions [Poster Presentation]. numERical MEthods for fRG in condENsed maTter, Germany.

[Link](#)

103 Physik, Astronomie

Krämer, M., & Andergassen, S. (2023, September 5). Cluster Extension of DMF2RG [Poster Presentation]. numERical MEthods for fRG in condENsed maTter, Germany.

[Link](#)

103 Physik, Astronomie

Patricolo, M., & Andergassen, S. (2023, September 5). Functional Renormalization Group Analysis of the Pseudogap Opening in the Hubbard Model [Poster Presentation]. numERical MEthods for fRG in condENsed maTter, Germany.

[Link](#)

103 Physik, Astronomie

Hollaus, K., Hanser, V., & Schöbinger, M. (2023, August 30). Simulation of the Single Sheet of Electrical Machines with the Finite Element Method and an Effective Material [Poster Presentation]. EMF 2023 - The 13th International Symposium on Electric and Magnetic Fields, Marseille, France. <http://hdl.handle.net/20.500.12708/188543>

[Link](#)

101 Mathematik

202 Elektrotechnik, Elektronik, Informationstechnik

Wilhelm, R. A., Szabo, G., Jany, B. R., Niggas, A., Szabo, P., Turchanin, A., & Krok, F. (2023, September 13). Charge-state enhanced erosion of metallic gold nanoislands [Poster Presentation]. 24th International Workshop on Inelastic Ion-Surface Collisions (IISC-24), Charleston, South Carolina, United States of America (the). <http://hdl.handle.net/20.500.12708/188395>

[Link](#)

103 Physik, Astronomie

Wilhelm, R. A., Niggas, A., Werl, M., Thima, D., Bennett, R., Grande, P. L., & Aumayr, F. (2023, September 13). Charge exchange of slow heavy ions inside a solid [Poster Presentation]. 24th International Workshop on Inelastic Ion-Surface Collisions (IISC-24), Charleston, South Carolina, United States of America (the). <http://hdl.handle.net/20.500.12708/188396>

[Link](#)

103 Physik, Astronomie

Fürthauer, S. (2023, August 15). Theory for synchronization driven flows in bulk and on surfaces [Poster Presentation]. GRC Soft Condensed Matter Physics 2023, New London, United States of America (the). <http://hdl.handle.net/20.500.12708/188398>

[Link](#)

106 Biologie

Hollaus, K., & Schöbinger, M. (2023, May 25). MSFEM with MOR and DEIM to Solve Nonlinear Eddy Current Problems in Laminated Iron Cores [Poster Presentation]. COMPUMAG 2023, Kyoto, Japan. <http://hdl.handle.net/20.500.12708/188392>

[Link](#)

101 Mathematik

202 Elektrotechnik, Elektronik, Informationstechnik

Hollaus, K., Schöbinger, M., & Tuerk, C. (2023, May 23). Two-Domain Method for Simulations of Wires in Full Wave Problems [Poster Presentation]. COMPUMAG 2023, Kyoto, Japan. <http://hdl.handle.net/20.500.12708/188554>

[Link](#)

101 Mathematik

202 Elektrotechnik, Elektronik, Informationstechnik

Schöbinger, M., & Hollaus, K. (2023, May 25). An Error Estimator for the MSFEM for the 2D Eddy Current Problem in Laminated Materials in the Time Domain [Poster Presentation]. COMPUMAG 2023, Kyoto, Japan. <http://hdl.handle.net/20.500.12708/188380>

[Link](#)

101 Mathematik

202 Elektrotechnik, Elektronik, Informationstechnik

Baumgartner, L., & Szmolyan, P. (2023, August 31). Robertson Model - A multi-parameter singular perturbation problem [Poster Presentation]. University of Groningen Summer School on Multiscale Modeling and its Applications, Netherlands (the).

[Link](#)

101 Mathematik

Chirita-Mihaila, M. C., Szabo, G., Redl, A., Goldberger, M., Grosse, A., & Wilhelm, R. A. (2023, September 13). Generation of picosecond pulsed ions using ultrafast electrons [Poster Presentation]. AttoChem Young Scientist Symposium 2023, Wien, Austria. <http://hdl.handle.net/20.500.12708/188564>

[Link](#)

103 Physik, Astronomie

Hanser, V., Schöbinger, M., & Hollaus, K. (2023, May 23). Effective Material Modelling for Laminated Iron Cores with Magnetic Hysteresis [Poster Presentation]. COMPUMAG 2023, Kyoto, Japan.

[Link](#)

101 Mathematik

202 Elektrotechnik, Elektronik, Informationstechnik

Bishara, M., Brumovska, V., Arnold, A. M., Kalouskova, B., Fülöp, G., Schütz, G., & Sevcsik, E. (2023, August 28). Protein micropatterning as a tool to probe the membrane environment of transmembrane proteins in live-cells [Poster Presentation]. 12th Single Molecule Localization Microscopy Symposium (SMLMS) 2023, Wien, Austria.

[Link](#)

103 Physik, Astronomie

104 Chemie

Diekmann, O. (2023, September 19). Triggered superradiance and spin inversion storage in a hybrid quantum system [Poster Presentation]. Greenhorn Meeting 2023, Berlin, Germany. <http://hdl.handle.net/20.500.12708/188552>

[Link](#)

103 Physik, Astronomie

Conti, A., Franceschi, G., Lezuo, L., Schmid, M., Mittendorfer, F., & Diebold, U. (2023, September 20). Ab initio investigations of the interaction of feldspar microcline with water [Poster Presentation]. Water at interfaces Faraday discussion 2023, London, United Kingdom of Great Britain and Northern Ireland (the). <http://hdl.handle.net/20.500.12708/188571>

[Link](#)

103 Physik, Astronomie

Weinberger, M., Wobrauschek, P., Kregsamer, P., Margui, E., Jablan, J., & Strelj, C. (2023, September 6). Total-reflection X-ray fluorescence analysis of coffee samples [Poster Presentation]. 19th International Conference on Total Reflection X-ray Fluorescence Analysis and Related Methods, Clausthal, Germany. <http://hdl.handle.net/20.500.12708/188581>

[Link](#)

103 Physik, Astronomie

Ingerle, D., Meirer, F., Siebers, K., Wobrauschek, P., & Strelj, C. (2023, September 5). GIMOXS- a new spectrometer for GIXRF for the nondestructive characterization of light element containing nanomaterials in the laboratory [Poster Presentation]. 19th International Conference on Total Reflection X-ray Fluorescence Analysis and Related Methods, Clausthal, Germany. <http://hdl.handle.net/20.500.12708/188587>

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103 Physik, Astronomie

Isceri, S., Giparakis, M., Svagera, R., Waas, M., Butera, V., Kolibalova, E., Man, O., Fischer, L., Detz, H., Schrenk, W., Strasser, G., Bühler-Paschen, S., & Andrews, A. M. (2023, September 16). Improved epitaxy of unconventional metals for quantum applications [Poster Presentation]. NAMBE 2023?: 37th North American Conference on Molecular Beam Epitaxy, Madison, United States of America (the). <http://hdl.handle.net/20.500.12708/188542>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Isceri, S., Giparakis, M., Schrenk, W., Schwarz, B., Strasser, G., & Andrews, A. M. (2023, September 18). 4.3 μm InAs/AlSb Quantum Cascade Detector Strain-Balanced to a GaSb Substrate [Poster Presentation]. NAMBE 2023 - 37th North American Conference on Molecular Beam Epitaxy, Madison, United States of

America (the). <http://hdl.handle.net/20.500.12708/188541>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Streli, C., Kregsamer, P., Eder, D., & Ayala Leiva, P. R. A. (2023, September 6). TXRF as a powerful tool for investigating emerging catalysis materials. [Poster Presentation]. 19th International Conference on Total Reflection X-ray Fluorescence Analysis and Related Methods, Clausthal, Germany. <http://hdl.handle.net/20.500.12708/188590>

[Link](#)

103 Physik, Astronomie

Kregsamer, P., Fenninger, L. J., Wobrauschek, P., & Streli, C. (2023, September 6). A comprehensive uncertainty budget assessment for a TXRF spectrometer Atomika 8030C [Poster Presentation]. 19th International Conference on Total Reflection X-ray Fluorescence Analysis and Related Methods, Clausthal, Germany. <http://hdl.handle.net/20.500.12708/188591>

[Link](#)

103 Physik, Astronomie

Ziegler, P., Weinberger, M., Krstajic, D., Ingerle, D., Wobrauschek, P., & Streli, C. (2023, September 6). Tackling low Z element quantification with TXRF [Poster Presentation]. TXRF 2023: 19th International Conference on Total Reflection X-ray Fluorescence Analysis and Related Methods, Clausthal, Germany. <http://hdl.handle.net/20.500.12708/188722>

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103 Physik, Astronomie

Scheuchenstuhl, D., Ulmer, S., Resch, F., Berducci, L., & Grosu, R. (2023, May 29). Enhancing Robot Learning through Learned Human-Attention Feature Maps [Poster Presentation]. ICRA 2023 Workshop on effective Representations, Abstractions, and Priors for Robot Learning (Rap4Robots), London, United Kingdom of Great Britain and Northern Ireland (the). <https://doi.org/10.34726/4861>

[Link](#)

102 Informatik

Angjusheva, B., Merta, I., & Fidancevski, E. (2023, September 22). Alkali Activation of Coal Fly Ash and Construction and Demolition Waste: A Sustainable Path to Innovative Materials [Poster Presentation]. 26th Congress of the Society of Chemists and Technologists of Macedonia (SCTM), Ohrid, Republic of North Macedonia. <http://hdl.handle.net/20.500.12708/188645>

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201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Franceschi, G. (2023, September 25). Imaging microcline feldspar and the first stages of ice nucleation at the atomic scale [Poster Presentation]. Joint TACO-NanoCat Conference 2023?: Taming COMplexity in Materials: Synergies between Experiment and Modelling, Wien, Austria. <http://hdl.handle.net/20.500.12708/188650>

[Link](#)

103 Physik, Astronomie

Conti, A., Glatzer, S., Hütner, J. I., Kugler, D., Balajka, J., Mittendorfer, F., Schmid, M., & Diebold, U. (2023, September 25). Ab-Initio Derived Force Fields for the Prediction of Surface Reconstructions of Al₂O₃(0001) [Poster Presentation]. Joint TACO-NanoCat Conference 2023?: Taming COMplexity in Materials: Synergies between Experiment and Modelling, Wien, Austria. <http://hdl.handle.net/20.500.12708/188651>

[Link](#)

103 Physik, Astronomie

Ali, M., Lohani, B., Hollaus, M., & Pfeifer, N. (2023, September 6). Benchmarking Leaf-Filtering algorithms for Terrestrial Laser Scanning (TLS) data [Poster Presentation]. SilviLaser 2023, London, United Kingdom of Great Britain and Northern Ireland (the). <http://hdl.handle.net/20.500.12708/188706>
[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Iglseder, A., Prochaska, C., Hoffert-Hösl, H., Lechner, M., Immitzer, M., & Hollaus, M. (2023, September 6). Finding homogeneity in the diversity: Combining remote sensing data for segmentation and monitoring of forests of high biodiversity value [Poster Presentation]. SilviLaser 2023, London, United Kingdom of Great Britain and Northern Ireland (the). <http://hdl.handle.net/20.500.12708/188709>
[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Chen, Y.-C., Hollaus, M., Kukko, A., & Hyypä, J. (2023, September 6). Tree Species Classification using Multi-spectral LiDAR - First Result from an Austria Study Site [Poster Presentation]. SilviLaser 2023, London, United Kingdom of Great Britain and Northern Ireland (the). <http://hdl.handle.net/20.500.12708/188712>
[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Birnbauer, K., Hollaus, M., Bronner, G., & Czimber, K. (2023, September 6). Optimizing in-situ measurements via voice recognition [Poster Presentation]. SilviLaser 2023, London, United Kingdom of Great Britain and Northern Ireland (the). <http://hdl.handle.net/20.500.12708/188710>
[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Bindreiter, S., Lorenz, W., Dengg, E., Pachauer, V., Grabuschnig, L., Wurzer, G., Ugljanin, N., & Rasper Paul. (2023, September 21). M-DAB2: The project [Poster Presentation]. eCAADe 2023 (Education and Research in Computer Aided Architectural Design in Europe), Graz, Austria.
[Link](#)

102 Informatik

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Tampieri, A., Romanelli, F., Lederer, T., Pittenauer, M., & Föttinger, K. (2023, August 28). Liquid-phase catalytic oxidation of alcohols over spinel oxides [Poster Presentation]. EuropaCat 2023 - 15th European Contress on Catalysis, Prag, Czechia.
[Link](#)

103 Physik, Astronomie

104 Chemie

205 Werkstofftechnik

Tampieri, A., Barrabés Rabanal, N., Medina, F., & Föttinger, K. (2023, August 29). Aldol condensation of furfurals with acetone: challenges and opportunities [Poster Presentation]. EuropaCat 2023 - 15th European Contress on Catalysis, Prag, Czechia.
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Romanelli, F., Tampieri, A., Lederer, T., Pittenauer, M., & Föttinger, K. (2023, August 28). Reactivity and stability of spinel oxides for the aqueous catalytic oxidation of alcohols in batch conditions [Poster Presentation]. EuropaCat 2023 - 15th European Contress on Catalysis, Prag, Czechia.

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103 Physik, Astronomie
104 Chemie
205 Werkstofftechnik

Ventura Rosales, I. E., Corrias, M., Imre, A. M., & Eder, M. M. J. (2023, September 29). Atome auf Oberflächen sichtbar machen [Poster Presentation]. European Researchers' Night, Wien, Austria.

[Link](#)

103 Physik, Astronomie

Uttenthaler, S., Ruh, T., & Diebold, U. (2023, September 29). TACO: Die Zähmung des Komplexen – Materialien der Zukunft [Poster Presentation]. European Researchers' Night, Wien, Austria.

[Link](#)

103 Physik, Astronomie

Ryan, P., Syböck, A., Balajka, J., Schmid, M., Pavelec, J., & Diebold, U. (2023, September 25). The Surface Tension of Pure-Water in Its Pure-Vapour [Poster Presentation]. Joint TACO-NanoCat Conference 2023?: Taming COMplexity in Materials: Synergies between Experiment and Modelling, Wien, Austria.

[Link](#)

103 Physik, Astronomie

Sombut, P., Wang, C., Puntischer, L., Jakub, Z., Meier, M., Pavelec, J., Schmid, M., Diebold, U., Franchini, C., & Parkinson, G. (2023, September 24). Two can be better than one: CO-induced dimer decay responsible for gem-dicarbonyl formation on a model single-atom catalyst [Poster Presentation]. Taming COMplexity in Materials: Synergies between Experiment and Modelling, Wien, Austria. <http://hdl.handle.net/20.500.12708/189026>

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103 Physik, Astronomie

Wang, C., Sombut, P., Puntischer, L., Ulreich, M., Pavelec, J., Meier, M., Rath, D., Balajka, J., Diebold, U., Franchini, C., Schmid, M., & Parkinson, G. (2023, September 24). C₂H₄ Adsorption on Rh-Decorated Fe₃O₄(001) Surface [Poster Presentation]. Joint TACO-NanoCat Conference 2023?: Taming COMplexity in Materials: Synergies between Experiment and Modelling, Wien, Austria. <http://hdl.handle.net/20.500.12708/188958>

[Link](#)

103 Physik, Astronomie

Ali, A. M. J., Gföhler, M., Riemelmoser, F., Kapl, M., & Brandstötter, M. (2023, September). Development of 3D printed adaptive structures for lower limb prostheses shafts [Poster Presentation]. 10th GACM Colloquium on Computational Mechanics from Young Scientists from Academia and Industry 2023, Wien, Austria.

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102 Informatik
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206 Medizintechnik

Al-Eryani, A., Heinzelmann, S., & Andergassen, S. (2023, September 18). fRG analysis of the extended

Hubbard model - SBE fluctuation diagnostics of screening [Poster Presentation]. Autumn School on Correlated Electrons: Orbital Physics in Correlated Matter, Germany.

[Link](#)

103 Physik, Astronomie

Franceschi, G. (2023, September 21). Imaging feldspar microcline and the first stages of ice nucleation at the atomic scale [Poster Presentation]. Water at interfaces Faraday discussion 2023, London, United Kingdom of Great Britain and Northern Ireland (the).

[Link](#)

103 Physik, Astronomie

Rheinfrank, E. H. (2023, September 26). The Quasicrystal-like Surface of $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3(001)$ [Poster Presentation]. 24th International Conference on Non-contact Atomic Force Microscopy (NCAFM2023), Singapore, Singapore.

[Link](#)

103 Physik, Astronomie

Majkova, A., Hellmeier, J., Huppa, J. B., & Sevcsik, E. (2023, September 6). Designing functionalized DNA origami-based biointerfaces for probing cell-cell interaction [Poster Presentation]. Active mechanics, from single cells to cell layers, tissues and development (SPLW02), Cambridge, United Kingdom of Great Britain and Northern Ireland (the).

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103 Physik, Astronomie

106 Biologie

Majkova, A., Hellmeier, J., Platzer, R., Huppa, J., & Sevcsik, E. (2023, August 29). Designing functionalized DNA origami-based biointerfaces for probing T-cell activation [Poster Presentation]. 12th Single Molecule Localization Microscopy Symposium (SMLMS) 2023, Wien, Austria.

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103 Physik, Astronomie

106 Biologie

Rajendran, N., Wald Christian, & Schütz, G. (2023, August 2). A closer look at the dynamics of single T-Cell Receptors within TCR microclusters [Poster Presentation]. 15th EBSA Congress European Biophysical Societies Association (EBSA 2023), Rome, Italy.

[Link](#)

103 Physik, Astronomie

106 Biologie

Rajendran, N., Wald Christian, & Schütz, G. (2023, August 29). A closer look at the dynamics of single T-Cell Receptors within TCR microclusters [Poster Presentation]. Single molecule localisation microscopy Symposium (SMLMS) 2023, Wien, Austria.

[Link](#)

103 Physik, Astronomie

106 Biologie

Ricco, S. (2023, July 11). A characterization for solutions to autonomous obstacle problems with general growth" [Poster Presentation]. Hausdorff School "Analysis of PDEs: Variational and Geometric Perspectives," Bonn, Germany.

[Link](#)

101 Mathematik

Ricco, S. (2023, May 22). A characterization for solutions to autonomous obstacle problems with general growth [Poster Presentation]. International Conference on Elliptic and Parabolic Problems, Naples, Italy. <http://hdl.handle.net/20.500.12708/188941>

[Link](#)

101 Mathematik

Kalouskova, B., T.G. Serrano Cano, Nagy, P., & Brameshuber, M. (2023, August 2). Probes for Single-Molecule Microscopy Analysis of ErbB4 Biophysical Properties [Poster Presentation]. 14th EBSA Congress European Biophysical Societies Association 2023, Stockholm, Sweden.

[Link](#)

103 Physik, Astronomie

106 Biologie

Kalouskova, B., Serrano Cano, T. G., Nagy, P., & Brameshuber, M. (2023). Probes for Single-Molecule Microscopy Analysis of ErbB4 Biophysical Properties [Poster Presentation]. EMBO | EMBL Symposium: Seeing is believing: imaging the molecular processes of life, Heidelberg, Germany.

[Link](#)

103 Physik, Astronomie

106 Biologie

Gaugutz, A., Velas, L., Georgiou, E., Xing, Y., Howorka, S., & Schütz, G. (2023, August 28). 3D single molecule localisation microscopy of membrane-bound DNA nanostructures [Poster Presentation]. Single molecule localisation microscopy Symposium (SMLMS) 2023, Wien, Austria.

[Link](#)

103 Physik, Astronomie

106 Biologie

Edthofer, A., & Körner, A. (2023, October 7). Model-Based Approaches for Classification of Levels of Consciousness [Poster Presentation]. 5. Forschungssymposium der Klinik für Anästhesiologie und Intensivmedizin, München, TranslaTUM Klinikum rechts der Isar, Germany.

[Link](#)

101 Mathematik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Fellinger, M., Redl, A., Szabo, P., Weichselbaum, D., Biber, H. A., Mutzke, A., Möller, W., Wilhelm, R. A., & Aumayr, F. (2023, October 9). BCA GUIDE – binary collision approximation graphical user interface for displaying and execution of simulations [Poster Presentation]. 26th International Conference on Ion Beam Analysis (IBA-2023) 18th International Conference on Particle Induced X-ray Emission (PIXE 2023), Toyama, Japan.

[Link](#)

103 Physik, Astronomie

Nistler, S., Hofstetter, C., Baudis, S., Schwentenwein, M., & Stampfl, J. (2023, August 31). Hydroxyapatite and Tricalcium Phosphate Sinter-Joined with Zirconia to Selectively Enhance Large Bone Implants Manufactured by Digital Light Processing-based Vat Polymerization [Poster Presentation]. yCAM Forum 2023, Leoben, Austria. <http://hdl.handle.net/20.500.12708/189038>

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

206 Medizintechnik

Burger, I., Schmal, M., Zimmermann, C., Birner-Grünberger, R., & Schittmayer-Schantl, M. (2023, October 12). Unravelling Fungal RiPPs Sherlocking with Proteomics, Metabolomics, and a Dash of Molecular Networking Magic [Poster Presentation]. Munich Metabolomics Meeting 2023, München, Germany.

[Link](#)

104 Chemie

Ettel, D., Edthofer, A., & Körner, A. (2023, October 7). Performance Analysis of Permutation Entropy and Entropy of Difference applied to EEG Data [Poster Presentation]. 5. Forschungssymposium der Klinik für Anästhesiologie und Intensivmedizin, München, Klinikum rechts der Isar, TUM, Germany.

[Link](#)

101 Mathematik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Chalupa-Gantner, F., Koch, T., Puchhammer Jakob, Lunzer, M., & Ovsianikov, A. (2023, June). Standardized Material Characterization of Two-Photon Polymerized Materials on the Macroscopic Scale [Poster Presentation]. CLEO/EUROPE-EQEC 2023 - Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference, Munich, Germany, EU.

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203 Maschinenbau

205 Werkstofftechnik

Pyko, J., Tomin, T., Müller, L., Kappler, M., Eckert, A. W., Glaß, M., Misiak, D., Schinagl, M., Schittmayer, M., Hüttelmaier, S., Hatzfeld, M., Haemmerle, M., Birner-Grünberger, R., & Gutschner, T. (2023, October 3). Multi-omics analysis reveals LCK as a key player of invasiveness and plasticity in human oral cancer [Poster Presentation]. Tumor Heterogeneity, Plasticity and Therapy (2nd edition), Leuven, Belgium.

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104 Chemie

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Key, K., Baidoo, F. A., Abdelmalik, M. R. A., Hughes, T. J. R., & Elgeti, S. (2023, September 11). Finite Element and Isogeometric Stabilized Methods for the Advection-Diffusion-Reaction Equation [Poster Presentation]. 10th GACM Colloquium on Computational Mechanics for Young Scientists from Academia and Industry, Vienna, Austria. <https://doi.org/10.34726/5142>

[Link](#)

101 Mathematik

203 Maschinenbau

Honeder, S., Tomin, T., Abbott, K., Schittmayer-Schantl, M., Vander Heiden, M., & Birner-Grünberger, R. (2023, September 17). Lipid hydrolysis enzymes in cancer metabolism: Unravelling the intricacies of cellular adaptation in lung cancer [Poster Presentation]. ISCaM 2023 meeting - 10th Annual Meeting, London, United Kingdom of Great Britain and Northern Ireland (the).

[Link](#)

104 Chemie

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Höhlschen, J. M., Tomin, T., & Birner-Grünberger, R. (2023, September 5). Gliflozin drug class and its effect on the proteome of cardiomyocytes [Poster Presentation]. GBM Compact: Focus on Proteomics, Frankfurt, Germany.

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104 Chemie

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Hofreither, D., Tomin, T., Jahnel, S., Mendjan, S., Schittmayer-Schantl, M., & Birner-Grünberger, R. (2023, September 27). Unraveling Nutrient-Driven Redox Signalling in Failing Hearts: A Mass Spectrometry-Based Investigation of a Novel Cardiac Organoid Model [Poster Presentation]. APMRS 2023, Innsbruck, Austria.

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104 Chemie
106 Biologie
301 Medizinisch-theoretische Wissenschaften, Pharmazie

Höhlschen, J. M., Hofreither, D., Tomin, T., & Birner-Grünberger, R. (2023, September 27). Effects of Empagliflozin on the Proteome of Cardiac Cells [Poster Presentation]. APMRS 2023, Innsbruck, Austria.

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104 Chemie
106 Biologie
301 Medizinisch-theoretische Wissenschaften, Pharmazie

Honerer, S., Bradic, I., Küntzel, K. B., Schittmayer-Schantl, M., Kratky, D., & Birner-Grünberger, R. (2023, September 27). Competitive activity-based proteomic profiling reveals tissue-specific off-targets of lipase inhibitors [Poster Presentation]. APMRS 2023, Innsbruck, Austria.

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301 Medizinisch-theoretische Wissenschaften, Pharmazie

Weise, M., Miksa, T., Grantner, T., Taha, J., Moser, M., Tsepelakis, S., Sanchez Solis, B., & Rauber, A. (2023, October 24). Repository Infrastructure Supporting Virtual Research Environments [Poster Presentation]. International Data Week 2023, Salzburg, Austria. <https://doi.org/10.34726/5143>

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102 Informatik
502 Wirtschaftswissenschaften

Isceri, S., Svagera, R., Waas, M., Nguyen, D. H., Schrenk, W., Kolivaloba E, Man, O., Butera, V., Detz, H., Strasser, G., Bühler-Paschen, S., & Andrews, A. M. (2023, October). Improved epitaxy of YbRh₂Si₂ for quantum applications [Poster Presentation]. SFB Correlated Quantum Materials and Solid State Quantum Systems summer-school, Klosterneuburg, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Velas, L., Gaugutz, A., Zelger, P., Jesacher, A., Howorka, S., & Schütz, G. (2023, August 2). 3D super-resolution microscopy and tracking using supercritical angle fluorescence and defocused imaging [Poster Presentation]. 14th EBSA Congress European Biophysical Societies Association 2023, Stockholm, Sweden.

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103 Physik, Astronomie
106 Biologie

Velas, L., Gaugutz, A., Zelger, P., Jesacher, A., Howorka, S., & Schütz, G. (2023, August 28). 3D super-resolution microscopy and tracking using supercritical angle fluorescence and defocused imaging [Poster Presentation]. Single molecule localisation microscopy Symposium (SMLMS) 2023, Wien, Austria.

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103 Physik, Astronomie
106 Biologie

Petz, T., Grammer, M., Fellingner, T., van Nieuwenhoven, R., & Gebeshuber, I.-C. (2023, October 17). Was man von 3D gedruckten Kieselalgen alles lernen kann [Poster Presentation]. Netzwerk Algen 2023: Wunderwuzzi Algen: Von der Hautcreme bis zur Batterie, Wien, Austria.

[Link](#)

103 Physik, Astronomie

Scharinger, F. (2023, July 10). Synthesis of novel heterocycles through unconventional organocatalytic

frameworks [Poster Presentation]. 22nd European Symposium on Organic Chemistry (ESOC Ghent 2023), Ghent, Belgium.

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Köck, B.-M., Elser, M., & Mihalyi-Schneider, B. (2023, October 9). Applications of Multivariate Statistics in Life Cycle Assessment [Poster Presentation]. 26th Conference Conference Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction, Thessaloniki, Greece. <https://doi.org/10.34726/5141>

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101 Mathematik

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Brameshuber, E., Platzer, R., Rossboth, B., Sevcsik, E., Schneider, M., Schütz, G., & Huppa, J. B. (2023, August 28). Comprehensive Fluorophore Blinking Platform for Detecting Nanoscale Protein Distributions [Poster Presentation]. 12th Single Molecule Localization Microscopy Symposium (SMLMS) 2023, Wien, Austria.

[Link](#)

103 Physik, Astronomie

106 Biologie

Dellago, B., Gurmam, T., Altun, A. A., Liska, R., & Baudis, S. (2023). 3D printed bone grafts: Toughness enhancement utilizing PCL-based additives [Poster Presentation]. Tissue Engineering and Regenerative Medicine International Society European Chapter Conference 2023 (TERMIS- EU 2023, Manchester UK), Manchester, United Kingdom of Great Britain and Northern Ireland (the). <https://doi.org/10.34726/5183>

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104 Chemie

206 Medizintechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Ehrmann, K., Fitzka, M., Berk, O., Liska, R., & Baudis, S. (2023). Self-Reinforcing Polymers – A New Type Of Biomaterials [Poster Presentation]. Tissue Engineering and Regenerative Medicine International Society European Chapter Conference 2023 (TERMIS- EU 2023, Manchester UK), Manchester, United Kingdom of Great Britain and Northern Ireland (the). <https://doi.org/10.34726/5225>

[Link](#)

104 Chemie

206 Medizintechnik

Cabeza, C. A., Ahmed, A. E. G., Trischack, A., Minauf, M., & Harasek, M. (2023, April 13). Combining Ultrafiltration with Activated Carbon Adsorption: Synergy for Industrial Decolourisation of Starch Hydrolysates [Poster Presentation]. 17. Minisymposium Verfahrenstechnik und 8. Partikelforum, BOKU Wien, Austria. <https://doi.org/10.34726/5223>

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204 Chemische Verfahrenstechnik

211 Andere Technische Wissenschaften

Rodriguez Molano, L. C., Cabeza, C. A., & Harasek, M. (2023, July 25). Membrane filtration as a strategy for seawater desalination as a resource for water electrolysis and H₂ production [Poster Presentation]. 10th IWA Membrane Technology Conference & Exhibition for Water and Wastewater Treatment and Reuse, United States of America (the). <https://doi.org/10.34726/5184>

[Link](#)

204 Chemische Verfahrenstechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Aigner, L., Roser, N. S., Moser, C., Morra di Cella, U., Hauck, C., & Flores-Orozco, A. (2023, June 22). Improved characterization of alpine permafrost by including structural constraints from transient electromagnetic data into spectral induced polarization imaging [Poster Presentation]. European Conference on Permafrost 2023, Puigcerda, Spain.

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103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Imani, A., Bellissimo, A., Carpeggiani, P. A., Kaksis, E., Popmintchev, D., Popmintchev, T., Pugzlys, A., & Baltuska, A. (2023, September 13). Yb-laser Driven High Harmonic Generation and Applications in Magnetic Imaging and to monitor the Electron Dynamics in complex systems [Poster Presentation]. AttoChem Young Scientist Symposium 2023, Wien, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Gangrskaja, E., Zhou, L., Shumakova, V., Bellissimo, A., Hu, H., Kaksis, E., Grünewald, L., Mai, S., Baltuska, A., & Pugzlys, A. (2023, September 13). Generation of Isolated Strong Transient Magnetic Fields for Magneto-Optical Spectroscopy [Poster Presentation]. AttoChem Young Scientist Symposium 2023, Wien, Austria.

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202 Elektrotechnik, Elektronik, Informationstechnik

Gangrskaja, E., Zhou, L., Shumakova, V., Bellissimo, A., Hu, H., Kaksis, E., Grünewald, L., Mai, S., Baltuska, A., & Pugzlys, A. (2023). Generation of Strong Isolated Transient Magnetic Fields for Magneto-Optical Spectroscopy [Poster Presentation]. European School on Magnetism 2023, Madrid, Spain.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Brienza, R. A., Lu, Y., Wang, C., Kanungo, S. K., Killian, T. C., Dunning, F. B., Yoshida, S., & Burgdörfer, J. (2023, June 7). Microwave Spectroscopy of Low- l Singlet Strontium Rydberg States at Intermediate n [Poster Presentation]. 54th Annual Meeting of the APS Division of Atomic, Molecular and Optical Physics, Spokane, United States of America (the).

[Link](#)

103 Physik, Astronomie

Aumayr, L., Abbaszadeh, K., & Maffei, M. (2023, February 28). Thora: Atomic and Privacy-Preserving Multi-Channel Updates [Poster Presentation]. Network and Distributed System Security Symposium (NDSS) 2023, San Diego, United States of America (the).

[Link](#)

102 Informatik

Aumayr, L., Sri AravindaKrishnan Thyagarajan, Giulio Malavolta, Moreno-Sanchez, P., & Maffei, M. (2023, February 28). Sleepy Channels: Bi-directional Payment Channels without Watchtowers [Poster Presentation]. Network and Distributed System Security Symposium (NDSS) 2023, United States of America (the).

[Link](#)

102 Informatik

Riva, M., Kraushofer, F., Imre, A. M., Schmid, M., Kißlinger Tilmann, Hammer, L., & Diebold, U. (2023, March 15). LEED-IV made easy with ViPERLEED [Poster Presentation]. Symposium of Surface Science 2023 (3S'23), Courmayeur, Italy.

[Link](#)

103 Physik, Astronomie

Kanitschar, F. P., Bergmayr-Mann, A. E., Pivoluska, M., & Huber, M. (2023, August). High-Dimensional Quantum Key Distribution using Time-Bin Entanglement [Poster Presentation]. QCrypt 2023, Maryland, United States of America (the).

[Link](#)

103 Physik, Astronomie

Naghdi, S., Zendeabad, M., Ayala Leiva, P. R. A., Gupta, T., Biswas, S., Cherevan, A., Caspary Toroker, M., Weil, M., & Eder, D. (2023, May 17). Highly water-stable Cu-based metal-organic frameworks for efficient adsorption of nitrate from aqueous solutions [Poster Presentation]. MEDPore 23, Kreta, Greece.

[Link](#)

104 Chemie

Gratzer, A. L., Schirrer, A., Mecklenbräuker, C., Pasic, F., Carmona, J., Kuhn, A., Pollhammer, K., Atasayar, H., & Bauer-Ibili, S. (2023, November 16). Intelligent Intersection [Poster Presentation]. 18th A3PS Conference ECO-MOBILITY 2023, Palais Pálffy, Josefsplatz 6, 1010 Vienna, Austria. <https://doi.org/10.34726/5287>

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202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Zeininger, J., Raab, M., Winkler, P., Suchorski, Y., & Rupprechter, G. (2023, September 25). Resolving Single Particle Catalysis by In Situ Microscopy: Complexity in Catalytic H₂ Oxidation [Poster Presentation]. Joint TACO-NanoCat Conference 2023?: TAming COMplexity in Materials: Synergies between Experiment and Modelling, Wien, Austria.

[Link](#)

104 Chemie

Leuthner, M., Ipp, A., Müller, D., Singh, P., & Schlichting, S. (2023, June 19). 3+1D observables in the dilute Glasma [Poster Presentation]. The VII-th International Conference on the Initial Stages of High-Energy Nuclear Collisions, Kopenhagen, Denmark.

[Link](#)

102 Informatik

103 Physik, Astronomie

Schmid, B. (2023, April 24). How does the “window” of overland flow generating rainfall react to Clausius-Clapeyron scaling? [Poster Presentation]. EGU General Assembly 2023, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu23-3659>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Weiser, M. (2023, July 10). Continuous Enantioselective α -Alkylation of Ketones via Direct Enamine Photoexcitation [Poster Presentation]. 22nd European Symposium on Organic Chemistry 2023, Belgium.

[Link](#)

104 Chemie

Talmazan, R. A., Castillo, I., Hofer, T., & Podewitz, M. (2023, February 8). Evolving towards chemically accurate supramolecular catalyst modelling: A QM/MM/MD study on C-N coupling [Poster Presentation]. 36th Workshop on Novel Materials and Superconductors, Schladming, Austria.

[Link](#)

104 Chemie

Kladnik, V., Schwarzböck, T., & Dworak, S. (2023, April 19). Abfälle aus dem öffentlichen Raum – eine

Unbekannte? [Poster Presentation]. Österreichische Abfallwirtschaftstagung 2023, Alpbach, Austria.

[Link](#)

201 Bauwesen

Pichler, D. (2023, February 11). Extensionality for Dyadic Obligations [Poster Presentation]. SPLoGIC 2023, Sao Paulo, Brazil.

[Link](#)

102 Informatik

Hirle, A. V., Fuger, C., Hahn, R., Wojcik, T., Kolozsvári, S., Polcik, P., Hunold, O., Davydok, A., & Riedl-Tragenreif, H. (2023, October 18). Studying the anisotropic behaviour of TiB_{2±z} by synchrotron nano-diffraction and micro-mechanical testing [Poster Presentation]. 93rd IUVESTA Workshop 2023, Seggau, Austria.

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

210 Nanotechnologie

Hirle, A. V., Fuger, C., Hahn, R., Wojcik, T., Kutrowatz, P., Weiss, M., Hunold, O., Kolozsvári, S., Polcik, P., & Riedl-Tragenreif, H. (2023, May 25). The anisotropic behaviour of super-hard TiB₂ films studied by synchrotron nano-diffraction [Poster Presentation]. 49th International Conference on Metallurgical Coatings & Thin Films 2023, San Diego, United States of America (the).

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

210 Nanotechnologie

Freiman, R. (2023, February 6). From Semantic Games to Analytic Calculi [Poster Presentation]. SPLoGIC 2023, Sao Paulo, Brazil.

[Link](#)

102 Informatik

Richter, S., Bahr, A. A. I., Wojcik, T., Hunold, O., Kolozsvári, S., Polcik, P., Ramm, J., & Riedl-Tragenreif, H. (2023, May 25). High-Temperature Stability and Mechanical Properties of Non-Reactive PVD-Synthesized MoSi₂ Coatings [Poster Presentation]. International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2023), San Diego, United States of America (the).

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

210 Nanotechnologie

Richter, S., Bahr, A. A. I., Zauner, L., Wojcik, T., Kolozsvári, S., Polcik, P., Hunold, O., Ramm, J., & Riedl-Tragenreif, H. (2023, October 18). Analysing the pore formation in ternary and quaternary diborides during high-temperature oxidation [Poster Presentation]. 93rd IUVESTA Workshop, Seggau, Austria.

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

210 Nanotechnologie

Halilovic, D., Hanna, N., & Weber, R. (2023, May). Comparison of NeQuick G and Klobuchar model performances at single-frequency user level [Poster Presentation]. 14. Österreichischer Geodätentag 2023, Steyr, Austria. <https://doi.org/10.34726/5340>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Salvadori, A., Watanabe, M., Markovic, M., & Ovsianikov, A. (2023, November 2). Laser-Generated Vascular Structures for Liver-on-a-Chip [Poster Presentation]. LBG Meeting Innovation in Health Sciences 2023, Wien, Austria.

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Weber, R., & Krasna, H. (2023, May). Referenzrahmen ITRF2020 [Poster Presentation]. 14. Österreichischer Geodätentag 2023, Steyr, Austria. <https://doi.org/10.34726/5350>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Weber, R., & Wareyka-Glaner, M. F. (2023, May). Der Galileo High-Accuracy Service (HAS) [Poster Presentation]. 14. Österreichischer Geodätentag 2023, Steyr, Austria. <https://doi.org/10.34726/5341>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Anstiss, M., Weiss, M., Opitz, A. K., & Weil, M. (2023, June 1). The mixed proton- and electron-conducting material BaFe_{0.9}Y_{0.1}O_{3-??}: Synthesis, characterization, and application as fuel electrode in proton conducting solid oxide cells [Poster Presentation]. European Materials Research Society (E-MRS) Spring Meeting 2023, Strasbourg, France.

[Link](#)

104 Chemie

Weiss, M., Holzer, A., Krammer, M., Huber, T., Limbeck, A., & Opitz, A. K. (2023, May 30). A novel sample cell for the detection of protons in ceramic materials by an in-situ combination of laser induced breakdown spectroscopy and electrochemistry [Poster Presentation]. European Materials Research Society (E-MRS) Spring Meeting 2023, Strasbourg, France.

[Link](#)

104 Chemie

Steinbach, C., Schmid, A., Huber, T., Kubicek, M., & Fleig, J. (2023, May 30). Partial pressure dependence of the space charge between SrTiO₃ and mixed conducting La_{0.6}Sr_{0.4}FeO₃, La_{0.65}Sr_{0.35}MnO₃ and La_{0.9}Sr_{0.1}CrO₃ [Poster Presentation]. European Materials Research Society (E-MRS) Spring Meeting 2023, Strasbourg, France.

[Link](#)

104 Chemie

Wagner, B., Schmid, A., Krammer, M., & Fleig, J. (2023, May 30). Screening mixed conducting oxide storage electrodes via chemical capacitance measurements [Poster Presentation]. European Materials Research Society (E-MRS) Spring Meeting 2023, Strasbourg, France.

[Link](#)

104 Chemie

Schmid, A., Krammer, M., Morgenbesser, M., Baiutti, F., & Tarancon, A. (2023, June 1). A solid oxide harvestore for combined harvesting and storing photovoltaic energy [Poster Presentation]. European Materials Research Society (E-MRS) Spring Meeting 2023, Strasbourg, France.

[Link](#)

104 Chemie

Rath, K., Hoffrogge, P., Daniel Schneider, Nestler, B., Nenning, A., Rameshan, C., & Opitz, A. K. (2023, June 1). Gaining Insight into the Role of Electrochemical Polarisation on Degradation Phenomena in Solid Oxide Cells by Experiments on Thin Film Electrodes [Poster Presentation]. European Materials Research Society (E-MRS) Spring Meeting 2023, Strasbourg, France.

[Link](#)

104 Chemie

Siebenhofer, M. (2023, May 2). Electronic and Ionic Effects of Surface Modifications on Mixed Ionic and Electronic Conducting Materials [Poster Presentation]. 2nd Conference of Applied Surface Technology (COAST 2023), Wien, Austria.

[Link](#)

104 Chemie

Brenner, S. (2023, May 8). A Repository for Storage, Linking and Dissemination of Multidisciplinary Manuscript Research Data [Poster Presentation]. TECHNART 2023, Lissabon, Portugal.

[Link](#)

101 Mathematik

102 Informatik

Ballester Campos, I., Gall, M., & Kampel, M. (2023, April 28). Interaction Design of a Toileting Assistive System for People with Dementia [Poster Presentation]. Workgroup on Interactive Systems in Healthcare (WISH) 2023, Hamburg, Germany.

[Link](#)

101 Mathematik

102 Informatik

Burges, M. (2023, October 10). Self-Supervised Transfer Learning for Historical Aerial Images [Poster Presentation]. AI4EO Symposium 2023, München, Germany.

[Link](#)

101 Mathematik

102 Informatik

Brasoveanu, A. D., Jogl, F., Welke, P., & Thiessen, M. (2023, November 27). Extending Graph Neural Networks with Global Features [Poster Presentation]. Learning on Graphs Conference 2023, Austria. <https://doi.org/10.34726/5281>

[Link](#)

102 Informatik

Ell, M. F., Bui, M. T., Prado Lopez, S., & Zeck, G. M. (2023, October 30). Electrical Recording of Chemotherapeutic Treatment Effects on Cancer Spheroids [Poster Presentation]. IEEE Sensors 2023, Wien, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Eller, L., Svoboda, P., & Rupp, M. (2023, November 22). A Differentiable Throughput Model for Scalable Gradient Descent-Based Cellular Network Optimization [Poster Presentation]. SAL Symposium on 6G, Linz, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Ellmeyer, S. (2023, September 25). Complex $L^?$ -intersection bodies [Poster Presentation]. Conference on Convex Geometry and Geometric Probability 2023, Salzburg, Austria.

[Link](#)

101 Mathematik

Walther, S., Dorigo, W. A., Duveiller, G., Gans, F., Kraft, B., Nelson, J., Preimesberger, W., Weber, U., Zotta, R.-M., & Jung, M. (2023, November 22). Improved data-driven ecosystem carbon fluxes under moisture stress through synergistic Earth observations [Poster Presentation]. EC-ESA Joint Earth System Science Initiative: Science for a Green and Sustainable Society 2023, Frascati, Italy.

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Pohlmann, R., & Elgeti, S. (2023, June 22). Inverse Design of Molding Processes [Poster Presentation]. 18th Dobbiaco Summer School 2023, Dobbiaco, Italy.

[Link](#)

101 Mathematik

102 Informatik

203 Maschinenbau

Adavi, Z., Möller, G., & Weber, R. (2023, July 12). Tomographic reconstruction of atmospheric water vapour using a temporal variational approach during central European floods in July 2021 [Poster Presentation]. 28th IUGG General Assembly, Berlin, Germany.

[Link](#)

101 Mathematik

102 Informatik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Eder, M. M. J., Pavelec, J., & Parkinson, G. (2023, November 15). Photocatalysis on Metal Oxide Surfaces [Poster Presentation]. 1st MECS Science Day, Wien, Austria.

[Link](#)

103 Physik, Astronomie

Pircher, L., & Hellmich, C. (2023, December 12). 3D analytical beam theory for magnesium pin-implanted rat femur [Poster Presentation]. Biennial Meeting ViCEM – Vienna Center for Engineering in Medicine, Wien, Austria.

[Link](#)

206 Medizintechnik

211 Andere Technische Wissenschaften

Kerndler, M., Fürnkranz-Prskawetz, A., & Sanchez Romero, M. (2023, September 21). A life-cycle model of risk-taking on the job [Poster Presentation]. Conference of the European Association of Labour Economists (EALE) 2023, Prag, Czechia.

[Link](#)

101 Mathematik

502 Wirtschaftswissenschaften

Ederer, M., & Löffler, S. (2023, September 10). Optimization of orbital mapping: the quest for the perfect image [Poster Presentation]. 20th International Microscopy Congress (IMC20), Busan, Korea (the Democratic People's Republic of). <https://doi.org/10.34726/5460>

[Link](#)

103 Physik, Astronomie

210 Nanotechnologie

Zhang Yuxuan, Tang Wenlong, Löffler, S., Rusz, J., XU, B., & Zhong Xiaoyan. (2023, June 12). Atomic structure and magnetic circular dichroism of individual edge dislocation by electron magnetic circular dichroism [Poster Presentation]. SCANDEM 2023, Uppsala, Sweden.

[Link](#)

103 Physik, Astronomie

210 Nanotechnologie

Zelaya Lainez, L. H., Schwaighofer, M., Königsberger, M., Lukacevic, M., Lahayne, O., Harter, T., Serna Loaiza, S., Hofbauer, C., Zikeli, F. M., Harasek, M., Friedl, A., Scolari, L., Grothe, H., & Füssl, J. (2023, September). Characterization of mechanical properties of five hot-pressed lignins extracted from different feedstocks by load-controlled nanoindentation [Poster Presentation]. 39th Danubia-Adria Symposium on Advances in Experimental Mechanics 2023, Siofok, Hungary.

[Link](#)

201 Bauwesen

205 Werkstofftechnik

Bachmann, S., Pahr, D., & Synek, A. (2023, December 12). Inverse Bone Remodelling: Towards Predicting the Hip Joint Pressure Distribution [Poster Presentation]. Biannual ViCEM Meeting, Wien, Austria.

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

305 Andere Humanmedizin, Gesundheitswissenschaften

Majkova, A., Hellmeier, J., Platzer, R., Kopittke, C., Huppa, J., Schütz, G., & Sevcsik, E. (2023, December 1). Designing functionalized DNA origami-based biointerfaces for probing T-cell activation [Poster Presentation]. Vienna Soft Matter Day, Wien, Austria.

[Link](#)

103 Physik, Astronomie

106 Biologie

Széles, B., Holko, L., Parajka, J., Wyhlidal, S., Schott, K., Stumpp, C., Stockinger, M., Hogan, P., Pavlin, L., Rab, G., Strauss, P., & Blöschl, G. (2023, April 26). Isotopic hydrograph separation in the Hydrological Open Air Laboratory, Austria [Poster Presentation]. EGU General Assembly 2023, Vienna, Austria.
<https://doi.org/10.5194/egusphere-egu23-8592>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Hermann, D.-R., Riedlsperger, L., Ramer, G., & Lendl, B. (2023, April 25). Quantum cascade laser based vibrational circular dichroism for chiral monitoring in the liquid phase [Poster Presentation]. Chase Expert Day, Linz, Austria.

[Link](#)

103 Physik, Astronomie

104 Chemie

Fried, S., Lee, J., & Werginz, P. (2023, June 13). Changes in baseline membrane potential underlie the non-monotonic responses of RGCs to high frequency stimulation as well as the response variability across types [Poster Presentation]. 9th Annual BRAIN Initiative Meeting 2023, Bethesda, United States of America (the).

[Link](#)

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Yunzab, M., Nadal-Nicolas, F., Werginz, P., Turnbull, V., Stasheff, S. F., & Fried, S. (2023, June 13). Structural changes in axon initial segments of ON-sustained alpha retinal ganglion cells in retinal degenerated mice [Poster Presentation]. 9th Annual BRAIN Initiative Investigators Meeting, Bethesda, United States of America (the).

[Link](#)

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Lee, J., Zwar, J. M., & Elgeti, S. (2023, June 20). Splinepy?: A prototyping toolkit for spline-based design and simulation [Poster Presentation]. 11th International Conference on IsoGeometric Analysis (IGA 2023), Lyon, France.

[Link](#)

102 Informatik

203 Maschinenbau

Fricke, C. D., Wolff, D., Kemmerling, M., & Elgeti, S. (2023, June 22). Reinforcement Learning (RL)-based Shape Optimization of 2D profile extrusion die geometries [Poster Presentation]. Dobbiaco Summer School, Dobbiaco, Italy. <https://doi.org/10.34726/5339>

[Link](#)

102 Informatik

203 Maschinenbau

211 Andere Technische Wissenschaften

Theuer, T., Baumgartner, S., Koch, B., Liska, R., & Stampfl, J. (2023, September 4). Digital Materials – Bioinspired 3D-printing concept for photopolymers with increased toughness [Poster Presentation]. FEMS EUROMAT 2023, Frankfurt am Main, Germany.

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Möller, G., Anne Dickmann, Lukas Müller, Crocetti, L., & Simon Rondot. (2023, December 11). Spaceborne Ionospheric Tomography: A first in-orbit demonstration campaign [Poster Presentation]. AGU 2023, San Francisco, United States of America (the).

[Link](#)

102 Informatik

103 Physik, Astronomie

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Dabrowska, A., Schwaighofer, A., & Lendl, B. (2023, April 13). Mid-IR Dispersion Spectroscopy - A New Avenue for Liquid Analysis [Poster Presentation]. ANAKON 2023, Wien, Austria.

[Link](#)

104 Chemie

Riedlsperger, L., Dabrowska, A., & Lendl, B. (2023, November 29). QCL-based Multi-Pathlength Mid-Infrared Transmission Spectroscopy for Enhanced Analytical Capabilities [Poster Presentation]. 18. Herbstkolloquium Prozessanalytik 2023, Krefeld, Germany.

[Link](#)

104 Chemie

Gitschthaler, A., Hahn, R., Hirle, A. V., Zauner, L., Wojcik, T., Jerg, C., Hunold, O., Kolozsvári, S., Polcik, P., & Riedl-Tragenreif, H. (2023, November 13). Fatigue testing of protective ceramic coating materials [Poster Presentation]. Energiewende – Wenn die Antwort in der Sicht steckt 2023, Wels, Austria.

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Eder, G. M., Thornton M., Amman, F., Berthaler, A., Krampe, J., Kreuzinger, N., & Vierheilig, J. (2023, November 16). Implications of aircraft wastewater matrix for SARS-CoV-2 nucleic acid detection and sequencing [Poster Presentation]. Townhall Meeting: Towards a Global Wastewater Surveillance System for Public Health 2023, Austria.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Schandl, S., Osondu-Chuka, G., Reimhult, E., & Guillaume, O. (2023, January 16). The Influence of ACetylation on the Interachtion between Alginate and Tobramycin [Poster Presentation]. Break Biofilms Workshop 2023, Wien, Austria. <http://hdl.handle.net/20.500.12708/191021>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Iebed, D., & Conibear, A. C. (2023, December 5). Elucidating the role of posttranslational modifications of HMGN1 in DNA packaging [Poster Presentation]. Austrian Peptide Symposium, Austria.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Lukova, A., Bachmann, S., Kivell, T., & Skinner, M. (2023, September 22). Trabecular distribution of proximal tibia in extant apes [Poster Presentation]. 13th Annual ESHE Meeting 2023, Aarhus, Denmark.

[Link](#)

211 Andere Technische Wissenschaften

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Pietrobelli, A., Tsegai, Z., Bachmann, S., Synek, A., Kivell, T., & Skinner, M. (2023, September 22). Comparing the trabecular structure of distal tibiae in extant hominid taxa: potential for inferring locomotor behaviour [Poster Presentation]. 13th Annual ESHE Meeting 2023, Aarhus, Denmark.

[Link](#)

211 Andere Technische Wissenschaften

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Dunmore, C., Bachmann, S., Synek, A., Kivell, T., & Skinner, M. (2023, September 21). First insights into trabecular bone distribution in the first metacarpal of Homo naledi [Poster Presentation]. 13th Annual ESHE Meeting 2023, Aarhus, Denmark.

[Link](#)

211 Andere Technische Wissenschaften

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Soydan, M., & Conibear, A. C. (2023, December 5). Impact of site-specific acetylation of HMGN1 on its interaction with damaged DNA [Poster Presentation]. 12th Austrian Peptide Symposium 2023, Austria.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Bahr, A. A. I., Glechner, T., Wojcik, T., Kutrowatz, P., Ramm, J., Hunold, O., Koloszári, S., Polcik, P., Ntemou, E., Primetzhofner, D., & Riedl-Tragenreif, H. (2023, May 25). High-Temperature Oxidation Resistance of CrB2 Coatings Alloyed by Transition Metal Disilicide Phases [Poster Presentation]. 49th International Conference on Metallurgical Coatings and Thin Films, ICMCTF 2023, San Diego, United States of America (the).

[Link](#)

205 Werkstofftechnik

210 Nanotechnologie

Hondl, N., Neubauer, L., Lendl, B., & Ramer, G. (2023, April). Chemical spectroscopy of individual

human milk extracellular vesicles [Poster Presentation]. ANAKON 2023, Wien, Austria. <https://doi.org/10.34726/5306>

[Link](#)

104 Chemie

Reumann, N., Kirschbaum, D. M., Zocco, D. A., Luznik, M., Dzsaber, S., Taupin, M., Eguchi, G., Yan, X., Prokofiev, A., & Bühler-Paschen, S. (2023, May 22). Nonlinear transport in Weyl-Kondo semimetals [Poster Presentation]. Cryocourse 2023, Espoo, Finland.

[Link](#)

103 Physik, Astronomie

Hartmuth, M., & Stampfer, L. (2023, July 8). The villa of Sadik-beg Fadilpašić in Travnik [Poster Presentation]. Erst Herzfeld Kolloquium - Islamic Art in Exchange 2023, München, Germany.

[Link](#)

201 Bauwesen

601 Geschichte, Archäologie

604 Kunstwissenschaften

Hondl, N., Holub, E., Lendl, B., Ramer, G., Lin, K.-L., Parikainen, M., Soto Veliz, D., & Sahlgren, C. (2023, August). Towards IR chemical imaging of tumor metastasis in organ on chip systems [Poster Presentation]. 12th International Conference on Advanced Vibrational Spectroscopy (ICAS12) 2023, Krakau, Poland. <https://doi.org/10.34726/5467>

[Link](#)

104 Chemie

Le Roy, G., Nguyen, D. H., Taupin, M., Yan, X., Prokofiev, A., & Bühler-Paschen, S. (2023, May 21). Thermal conductivity measurements of the quantum critical compound $Ce_3Pd_{20}Si_6$ [Poster Presentation]. Cryocourse 2023: School on cryogenics, microwave measurements, and low-temperature engineering for quantum technology, Espoo, Finland. <http://hdl.handle.net/20.500.12708/193676>

[Link](#)

103 Physik, Astronomie

Le Roy, G., Nguyen, D. H., Taupin, M., Yan, X., Prokofiev, A., & Bühler-Paschen, S. (2023, September 28). Thermal conductivity measurements of the quantum critical compound $Ce_3Pd_{20}Si_6$ [Poster Presentation]. Quantum Materials in the Quantum Information Era 2023, Germany.

[Link](#)

103 Physik, Astronomie

Nguyen, D. H., Le Roy, G., Liyang Chen, Dale T. Lowder, Bakali, E., Andrews, A. M., Schrenk, W., Waas, M., Svagera, R., Eguchi, G., Prochaska, L., Yiming Wang, Setty, C., Sur, S., Si, Q., Douglas Natelson, & Bühler-Paschen, S. (2023, October 3). Developing a shot noise setup for ultra-low temperatures [Poster Presentation]. SFB Q-M&S's Summer School 2023, Austria.

[Link](#)

103 Physik, Astronomie

Globosits, D., Hüpfl, J., & Rotter, S. (2023, June 14). Optimal Spatio-Temporal Light Fields with the Floquet Wigner-Smith Matrix [Poster Presentation]. VCQ Student Retreat 2023, Sibenik, Croatia.

[Link](#)

103 Physik, Astronomie

Globosits, D., Hüpfl, J., & Rotter, S. (2023, December 11). Optimal Lightfields with the Floquet Scattering Matrix [Poster Presentation]. Workshop on Future of Nanophotonic Scattering 2023, Bad Herrenalb, Germany.

[Link](#)

103 Physik, Astronomie

Windischhofer, A., Opacak, N., Knötig, H. M., & Schwarz, B. (2023, July 17). Modeling of charge transport in interband cascade lasers [Poster Presentation]. International Nano-Optoelectronics Workshop (iNOW) 2023, Würzburg, Germany.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Dielacher, I., Galazka, S., Radu, L.-E., Kreuzinger, N., Wögerbauer, M., Klümper, U., Berendonk, T. U., & Vierheilig, J. (2023, April 15). Influences of different environmental gradients on the occurrence of antibiotic resistance genes in two tributaries of the river Danube [Poster Presentation]. 33rd European Congress of Clinical Microbiology & Infectious Diseases (ECCMID 2023), Denmark.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Ricchiuti, G., Lisa Riedlsperger, Rosenberg, E. E., & Lendl, B. (2023, April). Mid-IR photothermal spectroscopy (PTS) for the detection of caffeine in commercial drinks [Poster Presentation]. ANAKON 2023, Wien, Austria.

[Link](#)

104 Chemie

Eisele, L., Hulaj, B., Chaikhan, W., Cherevan, A., Eder, D., & Schröder, K. (2023, April 25). Ionic liquid-based polymers for photocatalytic carbon dioxide reduction [Poster Presentation]. 9th International Congress on Ionic Liquids (COIL-9) 2023, Lyon, France.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

Pinto, D., Kumar, K., Meguekam, A., Bahriz, M., Lendl, B., & Baranov, A. (2023, August). Long wavelength Distributed Feedback Tapered Quantum Cascade Lasers [Poster Presentation]. 16th International Conference on Mid-Infrared Optoelectronics: Materials and Devices, United States of America (the).

[Link](#)

104 Chemie

Mazza, F., Kirschbaum, D. M., Zocco, D. A., Yan, X., Strydom, A. M., Larrea Jimenez, J. A., Steffens, P., Boehm, M., Prokofiev, A., & Bühler-Paschen, S. (2023, March 31). Inelastic neutron scattering and pressure-tuning experiments to probe strongly correlated electronic and phononic matter [Poster Presentation]. QUASt FOR-5249 spring 2023 retreat meeting 2023, Dresden, Germany.

[Link](#)

103 Physik, Astronomie

Wojcik, T., Kahlenberg, R., Falkinger, G., Krejci, A. L., Milkereit, B., & Kozeschnik, E. (2023, September 11). Transformation of metastable phases into the stable Mg₂Si phase in aluminum alloys – An in-situ study [Poster Presentation]. IMC20 The 20th International Microscopy Congress, Busan, Korea (the Democratic People's Republic of).

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Kirschbaum, D. M., Zocco, D. A., Mazza, F., Strydom, A. M., Larrea Jimenez, J. A., Yan, X., Prokofiev, A., & Bühler-Paschen, S. (2023, September 26). Search for signatures of Weyl-Kondo physics in CeRu₄Sn₆ under pressure [Poster Presentation]. Quantum Materials in the Quantum Information Era 2023, Dresden, Germany.

[Link](#)

103 Physik, Astronomie

Scheibelreiter, V., Kalas, H., & Stanetty, C. (2023, July 11). Utilizing Fluorine-labelled 2-Aminobenzamidoximes to Distinguish Aldoses via ¹⁹F-NMR [Poster Presentation]. 21st European Carbohydrate Symposium (Eurocarb21) 2023, Paris, France. <https://doi.org/10.34726/5314>

[Link](#)

104 Chemie

Kattukudiyil Narayanan, N., Pittenauer, E., & Schnürch, M. (2023, July 9). ENHANCING THE EFFICIENCY OF KETONE-DIRECTED ORTHO ARYLATION THROUGH PYRIDINE LIGAND [Poster Presentation]. 22nd European Symposium on Organic Chemistry (ESOC Ghent 2023), Ghent, Belgium.

[Link](#)

104 Chemie

Heid, E. C., McGill, C., Vermeire, F., Green, W. H., & Madsen, G. K. H. (2023, September 25). Errors and Uncertainty in Machine Learning Models [Poster Presentation]. Joint TACO-NanoCat Conference 2023, Wien, Austria.

[Link](#)

104 Chemie

Templ, J., & Schnürch, M. (2023, July 11). Mashing up Tsuji-Trost Reaction - A mechanochemical approach [Poster Presentation]. 22nd European Symposium on Organic Chemistry 2023, Ghent, Belgium.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Holub, E., Ramer, G., Lendl, B., & Hondl, N. (2023, April 13). Photothermal heterodyne imaging in air and aqueous media – parameters and perspectives [Poster Presentation]. ANAKON 2023, Wien, Austria.

[Link](#)

103 Physik, Astronomie

104 Chemie

Holub, E., Hondl, N., Ramer, G., & Lendl, B. (2023, December 20). Pudding the Cell in Celebrate: Cell Classification by mid-IR Spectroscopy and Photothermal Imaging [Poster Presentation]. IRDG Christmas Meeting 2023, London, United Kingdom of Great Britain and Northern Ireland (the). <https://doi.org/10.34726/5464>

[Link](#)

103 Physik, Astronomie

104 Chemie

304 Medizinische Biotechnologie

Hondl, N., Neubauer, L., Lendl, B., & Ramer, G. (2023, December 20). Unwrapping the Chemical Composition of Individual Human Milk Extracellular Vesicles via Photothermal Spectroscopy [Poster Presentation]. IRDG Meeting 2023, United Kingdom of Great Britain and Northern Ireland (the). <https://doi.org/10.34726/5345>

[Link](#)

104 Chemie

Mayrhofer, M., Lewitschnig, H., & Filzmoser, P. (2023, October 19). New Mission Profile Model Using Functional Data Analysis [Poster Presentation]. Infineon meets University 2023, Germany.

[Link](#)

101 Mathematik

D'Elia, L., & Davoli, E. (2023, April 19). Stochastic homogenization in micromagnetics [Poster Presentation]. 2nd SFB International Workshop 2023: "Taming Complexity in Partial Differential Systems," Wien, Austria.

[Link](#)

101 Mathematik

Pölz, A., Derx, J., Farnleitner, A., & Blaschke, A. P. (2023, April 25). Forecasting discharges through explainable machine learning approaches at an alpine karst spring [Poster Presentation]. EGU General Assembly 2023, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu23-15604>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Derx, J., Linke, R., Sommer, R., Strauss, P., Hykollari, A., Faltejsek, A., Schijven, J., Blaschke, A. P., Kirschner, A., & Farnleitner, A. (2023, April 27). Upscaling bacterial overland transport – a multi-parametric approach [Poster Presentation]. EGU General Assembly 2023, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu23-12147>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Savic, V., Mihovilovic, M., & Stanetty, C. (2023, February 1). A Modified Phosphatidylinositol for the Investigation of Peptide Assemblies [Poster Presentation]. Young Research Fellows Meeting 2023, Paris, France.

[Link](#)

104 Chemie

106 Biologie

Savic, V., Mihovilovic, M., & Stanetty, C. (2023, August 15). Modified Phosphatidylinositols for the investigation of peptide assemblies [Poster Presentation]. ACS Fall 2023, San Francisco, United States of America (the).

[Link](#)

104 Chemie

106 Biologie

Perazzi, M., Leitgeb, M., Pfusterschmied, G., Vengattoor Raghu, A., Schmid, U., Zellner, C., Schwarz, S., Hahn, R., & Kirnbauer, A. (2023, September). High-temperature Reorganization Behavior of Porous 4H-SiC Thin Foils [Poster Presentation]. ICSCRM2023 - International Conference on Silicon Carbide and Related Materials, Sorrento, Italy. <http://hdl.handle.net/20.500.12708/193349>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Wahid, S., Leitgeb, M., Pfusterschmied, G., & Schmid, U. (2023, September 21). A Novel Approach for Thin 4H-SiC Foil Realization using Controlled Spalling from a 4H-SiC Wafer [Poster Presentation]. ICSCRM 2023 . International Conference on Silicon Carbide and Related Materials, Sorrento, Italy.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Grünewald, L., Martín-Hernández, R., Gangrskaja, E., Shumakova, V., Hernandez Garcia, C., & Mai, S. (2023, March 6). Simulations of magnetic field amplification and electric field suppression in ultrashort optical laser pulses [Poster Presentation]. DPG-Frühjahrstagung der Sektion Atome, Moleküle, Quantenoptik und Photonik (SAMOP 2023), Hannover, Germany.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Brasoveanu, A. D., Jogl, F., Welke, P., & Thiessen, M. (2023, December 1). Extending Graph Neural Networks with Global Features [Poster Presentation]. Learning-on-Graphs Conference 2023: Local Meetup, München, Germany. <https://doi.org/10.34726/5343>

[Link](#)

102 Informatik

Bause, F., Jogl, F., Indri, P., Drucks, T., Penz, D., Kriege, N., Gärtner, T., Welke, P., & Thiessen, M. (2023, December 1). Maximally Expressive GNNs for Outerplanar Graphs [Poster Presentation]. Learning-on-Graphs Conference 2023: Local Meetup, München, Germany. <https://doi.org/10.34726/5344>

[Link](#)

102 Informatik

Daneshvar, D., Preinstorfer, P., Deix, K., Shafei, B., & Robisson, A. (2023, October 30). Characterization of Restrained Shrinkage in Sloped Ultra-High Performance Concrete-Normal Concrete Composites Using a Distributed Fiber Optic Sensing System [Poster Presentation]. ACI Concrete Convention Fall 2023, Boston, United States of America (the).

[Link](#)

201 Bauwesen

205 Werkstofftechnik

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Huber, B., Hengl, M., & Valenti, B. (2023, August 21). How log jams affect scour protection at bridge piers [Poster Presentation]. 40th IAHR World Congress, Wien, Austria.

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Nalbach, M., Sensini, A., Motoi, N., Rufin, M., Focarete, M. L., Andriotis, O., Zucchelli, A., Schitter, G., Cristofolini, L., & Thurner, P. (2023, February 14). Comparative Dynamic Mechanical Analysis of Collagen Fibrils and PLLA Nanofibers [Poster Presentation]. ORS 2023 Annual Meeting, Dallas, Texas, United States of America (the).

[Link](#)

203 Maschinenbau

211 Andere Technische Wissenschaften

305 Andere Humanmedizin, Gesundheitswissenschaften

Hüpfel, J., Bachelard, N., Kaczvinszki, M., Horodyski, M. A., Kühmayer, M., & Rotter, S. (2023, September 19). Optimal Cooling of Multiple Levitated Particles through Far-Field Wavefront-Shaping [Poster Presentation]. SFO Thematic School 2023?: waves in complex media from theory to practice., France.

[Link](#)

103 Physik, Astronomie

Kolb, M., Weigner, T., Rind, S., Spielauer, T., & Haslinger, P. (2023, March 13). Towards a Levitated Atom Interferometer with Potassium [Poster Presentation]. Workshop on Terrestrial Very-Long-Baseline Atom Interferometry (2023), CERN, Switzerland.

[Link](#)

103 Physik, Astronomie

Maity, R., & Burada, P. S. (2023, October 4). Chemotactic swimming of two chiral squirmers [Poster Presentation]. PHYSICS OF MICROBIAL MOTILITY 2023, Würzburg, Germany.

[Link](#)

103 Physik, Astronomie

Kirnbauer, A., Derflinger, M., Polcik, P., & Mayrhofer, P. H. (2023, May 25). Structure, mechanical properties, and thermal stability of (Gd,Hf,Sc,Ti,Zr)-nitride thin films [Poster Presentation]. 49th International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2023), San Diego, United States of America (the).

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Kretschmer, A., & Mayrhofer, P. H. (2023, May 25). Demystifying the Entropy Forming Ability – the role of atomic size effects [Poster Presentation]. 49th International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2023), San Diego, United States of America (the).

[Link](#)

205 Werkstofftechnik

Kretschmer, A., Kirnbauer, A., Frost Robert, Primetzhofer, D., Rojacz, H., Badisch, E., & Mayrhofer, P. H. (2023, October 18). Optimizing temperature stability in non-reactively sputtered (Hf,Ta,Ti,V,Zr)B-C-N coatings by design of the non-metal sublattice [Poster Presentation]. 93rd IUVESTA Workshop 2023, Seggau, Austria. <http://hdl.handle.net/20.500.12708/193064>

[Link](#)

205 Werkstofftechnik

Ottitsch, J. M., Thin, M., Wiesinger, G., & Bleicher, F. (2023, November 7). Mechanical Methods for Photovoltaic Module Recycling [Poster Presentation]. Österreichische Fachtagung für Photovoltaik und Stromspeicherung 2023, Graz, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau
205 Werkstofftechnik

Rohr, T., & Rudroff, F. (2023, June). BIOCATALYSIS IN GREEN AND BLUE: SYNECHOCOCCUS PCC11901 AS A NEW WORKHORSE [Poster Presentation]. Biotrans 2023, La Rochelle, France.

[Link](#)

104 Chemie
106 Biologie

Jodlbauer, J., Schmal, M., & Rudroff, F. (2023, June 26). A high throughput strategy of a genetic toolbox for the improvement of cyanobacteria as hosts for whole cell biocatalysis [Poster Presentation]. Biotrans 2023, La Rochelle, France.

[Link](#)

104 Chemie
209 Industrielle Biotechnologie

Melcher, C., Nenning, A., Schrenk, F., Rameshan, C., & Opitz, A. K. (2023, October 24). Characterizing novel catalysts for direct CO₂ electrolysis with in-situ NAP-XPS [Poster Presentation]. Autumn School 2023, Valencia, Spain.

[Link](#)

104 Chemie

Suchy, L., & Rudroff, F. (2023, June 27). Fusion Proteins for Biocatalyst-Based Polymer Degradation [Poster Presentation]. Biotrans 2023, La Rochelle, France.

[Link](#)

104 Chemie
106 Biologie
107 Andere Naturwissenschaften

Papaplioura, E., & Schnürch, M. (2023, September 25). Substituting Gaseous Reagents for Solid Alternatives [Poster Presentation]. MolTag Closing Event 2023, Wien, Austria.

[Link](#)

104 Chemie

Budianto, F. (2023, August 30). Temporary Sales and Cyclicity [Poster Presentation]. Workshop on Expectations in Dynamic Macroeconomic Models (2023), Wien, Austria.

[Link](#)

502 Wirtschaftswissenschaften

Besleaga, M., Ebner, K., Ertl, S., Glieder, A., Spadiut, O., & Kopp, J. (2023, November). Bi-directional promoter systems allow methanol-free production of hard to express unspecific peroxygenases with *Komagataella phaffii* [Poster Presentation]. PEGS Europe 2023 - Protein & Antibody Engineering Summit, Lisbon, Portugal.

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Kriechbaum, R., Kopp, J., & Spadiut, O. (2023, December 12). Repurposing side streams from the potato processing industry by *Chlorella vulgaris* [Poster Presentation]. AlgaEurope 23, Prag, Czechia.

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Galazka, S., Kuffner, M., Weyermair, K., Radu, L.-E., Dielacher, I., Vierheilig, J., Vigl, V., Young, G., Spettel, K., Kriz Richard, Rab, G., & Woegerbauer, M. (2023, April 15). Effect of Manuring on Antibiotic Resistance Gene Concentrations in Austrian Agricultural Soils [Poster Presentation]. 33rd European Congress of Clinical Microbiology & Infectious Diseases (ECCMID) 2023, Kopenhagen, Denmark.

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Klausser, R. (2023, November 14). Analysis of cell lysis efficiency and inclusion body size distribution via centrifugal sedimentation [Poster Presentation]. PEGS Europe: Protein and Antibody Engineering Summit 2023, Lisbon, Portugal.

[Link](#)

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Hartl-Nesic, C., Weingartshofer, T., & Kugi, A. (2023, October 5). Optimization-based path-planning framework considering process properties of industrial manufacturing processes [Poster Presentation]. IROS Workshop on Task and Motion Planning: from Theory to Practice 2023, Detroit, United States of America (the).

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Haselmair-Gosch, C., & Halbwirth, H. (2023, September 29). Ist rot gleich rot und gelb gleich gelb? [Poster Presentation]. European Researcher's Night 2023, Wien, Austria.

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Haselmair-Gosch, C., & Halbwirth, H. (2023, September 29). Bunt ist gesund [Poster Presentation]. European Researchers' Night 2023, Wien, Austria.

[Link](#)

106 Biologie

204 Chemische Verfahrenstechnik

209 Industrielle Biotechnologie

Arigliani, E., David, M., Lardschneider, A., Disnan, D., Marschick, G., Hoang, H. T., Wacht, D., Ramer, G., Detz, H., Schmid, U., Lendl, B., Strasser, G., Schwarz, B., & Hinkov, B. (2023, July 24). Polyethylene-loaded plasmonic waveguides for mid-IR photonic integrated circuits [Poster Presentation]. International Nano-Optoelectronics Workshop (iNOW) 2023, Würzburg, Germany.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Hudak, O. E., Hahn, R., Scheiber, A., Shang, L., Hunold, O., Kolozsvári, S., & Riedl-Tragenreif, H. (2023, May 25). Ti_{1-x}Al_xN PVD Coatings in Hot-Corrosion Environments [Poster Presentation]. 49th International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2023), San Diego, United States of America (the).

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Pittenauer, M., Rameshan, R., Schrenk, F., Rameshan, C., & Föttinger, K. (2023, May). Operando and in situ studies of Co and Ni ferrites: structure and reactivity insights [Poster Presentation]. Operando VII – 7th International Congress on Operando Spectroscopy 2023, Grindelwald, Switzerland.

[Link](#)

104 Chemie

Valentini, F., Tawachkultanadilok, P., Wittayakun, J., & Föttinger, K. (2023, August). Alternative approach to Zeolite/Carbon composites synthesis with enhanced CO₂ adsorption properties [Poster Presentation].

EuropaCat 2023 - 15th European Congress on Catalysis, Prag, Czechia. <http://hdl.handle.net/20.500.12708/193601>

20.500.12708/193601

[Link](#)

104 Chemie

Moghadas, E., Eßl, H., Reitner, M., Toschi, A., & Sangiovanni, G. (2023, March 31). Breakdown of the Many-Electron Perturbation Expansion: Fundamental Aspects and Physical Consequences [Poster Presentation]. QUASt Retreat, Leipzig, Germany.

[Link](#)

103 Physik, Astronomie

Andrade Silva Alves, G., Pacholik, G., Wagner, T., & Föttinger, K. (2023, September). Enabling methanol selectivity in MoS₂ catalysts for CO₂ hydrogenation: the role of the ZnO support [Poster Presentation].

FEMS EUROMAT 2023, Frankfurt am Main, Germany.

[Link](#)

104 Chemie

Reyzek, F., Seifried, T., Bieber, P., & Grothe, H. (2023, April 26). Scots pines (*Pinus sylvestris*) as sources of biological ice-nucleating macromolecules (INMs) [Poster Presentation]. EGU General Assembly 2023, Wien, Austria.

[Link](#)

104 Chemie

Pamminger, R., Wimmer, W., & Glaser, S. (2023, September 8). Cost-based „potential finder“ to reduce GHG emissions of material goods [Poster Presentation]. 11th International Conference on Life Cycle Management 2023, Lille, France.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

203 Maschinenbau

Arigliani, E., David, M., Lardschneider, A., Disnan, D., Marschick, G., Hoang, H. T., Wacht, D., Ramer, G., Detz, H., Lendl, B., Schmid, U., Strasser, G., Schwarz, B., & Hinkov, B. (2023, July 20). Low loss polyethylene-loaded plasmonic waveguides for mid-infrared photonic integrated circuits [Poster Presentation]. International Nano-Optoelectronics Workshop (iNOW) 2023, Würzburg, Germany.

[Link](#)

104 Chemie

202 Elektrotechnik, Elektronik, Informationstechnik

210 Nanotechnologie

Bittner, M., Hobeichi, S., Zawish, M., Diatta, S., Ozioko, R., Xu, S., & Jantsch, A. (2023, December). An LSTM-based Downscaling Framework for Australian Precipitation Projections [Poster Presentation]. NeurIPS 2023 Workshop: Tackling Climate Change with Machine Learning, New Orleans, United States of America (the). <http://hdl.handle.net/20.500.12708/193304>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Boguslavski, K., Hotzy, P., & Müller, D. (2023, March). Stabilizing complex Langevin for real-time gauge theory [Poster Presentation]. 11th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions: Hard Probes 2023 (HP2023), Aschaffenburg, Germany. <http://hdl.handle.net/20.500.12708/193305>

[Link](#)

103 Physik, Astronomie

Sayer, S., Fernández Pérez, J., Schandl, S., Huisman, J., Halaas, Ø., Lunzer, M., & Ovsianikov, A. (2023, June 4). In-chip biofabrication of an artificial immune niche using multiphoton lithography [Poster Presentation]. Gordon Research Conference: Physics and Chemistry of Microfluidics Microscale Systems: From Physical Phenomena to Biological Applications, Italy.

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Ret, D., Gentile Salvatore Alessio, Garcia de Otazo Hernandez, D., Monti, V., Ammaturo, A., Knaus, S., & Untersmayr, E. (2023, September 14). The fate of dietary immuno-modulating glycan along the gastrointestinal tract [Poster Presentation]. ÖGAI Annual Meeting 2023, Linz, Austria. <http://hdl.handle.net/20.500.12708/193353>

[Link](#)

104 Chemie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

302 Klinische Medizin

Fastenbauer, A. (2023, November 15). The Vienna Cellular Communications Simulators [Poster Presentation]. Eröffnungsfeier Christian Doppler Laboratory Digital Twin assisted AI for sustainable RAN 2023, Wien, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Mussbah, M., Schwarz, S., & Rupp, M. (2023, November 22). Access Point Clustering-based Pilot Assignment for Cell-free Massive MIMO [Poster Presentation]. SAL Symposium on 6G 2023, Linz,

Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Mussbah, M. (2023, November 15). Spectral Clustering-based Pilot Assignment for Cell-free Massive MIMO [Poster Presentation]. Eröffnungsfeier Christian Doppler Laboratory Digital Twin assisted AI for sustainable RAN 2023, Wien, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Markovic, M., Rodríguez-González, R., Petrovic, M., Höfler, S., Perak, S., & Ovsianikov, A. (2023, March 17). Extrusion-based bioprinting: a novel method for evaluating the volume of cell-laden 3D structures [Poster Presentation]. Workshop “Advanced Cell Culture Technologies,” Wien, Austria.

[Link](#)

203 Maschinenbau

205 Werkstofftechnik

Saavedra Garcia, A. J., Doblhammer, A., Pradler, I., & Abele, H. (2023, September 4). CREScint: High-Precision Electron Spectroscopy using Cyclotron Radiation Emissions [Poster Presentation]. Joint Annual Meeting of SPS and ÖPG 2023, Basel, Switzerland.

[Link](#)

103 Physik, Astronomie

Saavedra Garcia, A. J., Doblhammer, A., Pradler, I., & Abele, H. (2023, December 5). CREScint: High-Precision Electron Spectroscopy using Cyclotron Radiation Emissions [Poster Presentation]. MLZ User Meeting 2023, Munich, Germany.

[Link](#)

103 Physik, Astronomie

Frank, F., Baumgartner, B., Lisa Riedlsperger, & Lendl, B. (2023, April 11). Making the case for adsorption enhanced attenuated total reflection spectroscopy using metal-organic frameworks [Poster Presentation]. Anakon 2023, Wien, Austria.

[Link](#)

104 Chemie

Bader, D., Pfennigbauer, K., Klement, L., & Holzer, B. (2023, May 3). Bidentate N-Heterocyclic Carbene Ligands for Click-Polymerizable Self Assembled Monolayers on Gold [Poster Presentation]. 2nd Conference of Applied Surface Technology (COAST 2023), Wien, TU, Austria.

[Link](#)

104 Chemie

Piotrowska, J. A. (2023, April 24). Design and application of functionalized membranes for gas separation [Poster Presentation]. 9th International Congress on Ionic Liquids (COIL-9) 2023, Lyon, France.

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Svatunek, D. (2023, June 24). Beyond Frontier Molecular Orbital Theory: Understanding reactivity in bioorthogonal Diels–Alder reactions of 1,2,4,5-tetrazines [Poster Presentation]. Gordon Research Seminar – Physical Organic Chemistry, Holderness, NH, United States of America (the).

[Link](#)

104 Chemie

Svatunek, D. (2023, June 27). Large-Scale Screening of Tetrazine Cycloaddition Reactivity Reveals Non-

Linear Substituent Effects [Poster Presentation]. Physical Organic Chemistry - Gordon Research Conference 2023: Analyzing, Understanding and Predicting Organic Reactivity, Holderness, United States of America (the). <http://hdl.handle.net/20.500.12708/193829>

[Link](#)

104 Chemie

Herrmann, B., Sohr, B., Legado, A., Schnöll, S., Reindl, S., Goldeck, M., & Mikula, H. (2023, December 5). STOPTAC: Scissile Turn-Off Proteolysis Targeting Chimeras [Poster Presentation]. 12th Austrian Peptide Symposium (2023), Wien, Austria. <http://hdl.handle.net/20.500.12708/193427>

[Link](#)

104 Chemie

106 Biologie

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Müller, D. (2023, May 16). Applications of group and gauge equivariant neural networks to problems in lattice field theory [Poster Presentation]. HPC Workshop for Nuclear Explosion Monitoring, Vienna, Austria.

[Link](#)

102 Informatik

103 Physik, Astronomie

Fernandez, T., Schnauder, I., Eiff, O., & Blanckaert, K. (2023, April). Decay of the perturbations induced by a horizontal cylinder across an open-channel flow [Poster Presentation]. EGU General Assembly 2023, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu23-7250>

[Link](#)

105 Geowissenschaften

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Standfest, C., Stanetty, C., & Biedermann, N. (2023, July 9). Dimerization strategy towards higher carbon sugar alcohols as potential phase change materials [Poster Presentation]. 21st European Carbohydrate Symposium (Eurocarb21) 2023, Paris, France. <http://hdl.handle.net/20.500.12708/193391>

[Link](#)

103 Physik, Astronomie

104 Chemie

204 Chemische Verfahrenstechnik

West, R. G., Hrachowina, L., Kanellopoulos, K., Borgstöm, M., & Schmid, S. (2023, June 6). Position-Dependent Noise Characteristics in Optomechanical Transduction of InP Nanowires [Poster Presentation]. Frontiers in Nanoscience 2023, Netherlands (the). <http://hdl.handle.net/20.500.12708/193393>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

210 Nanotechnologie

Lebedeva, A., Handelshäuser, M., Andriotis, O., Hager, B., Trattinig, S., Hirtler, L., Schreiner, M. M., Marchetti-Deschmann, M., & Thurner, P. (2023, December 13). Multimodal micro-mechanical and compositional imaging of human menisci [Poster Presentation]. ViCEM Meeting 2023, Vienna, Austria.

[Link](#)

104 Chemie

203 Maschinenbau

Lenz, A., Meindl, B., Holzer, B., & Mikula, H. (2023, December 5). Tailoring Peptide Nucleic Acids for Enhanced RNA-Targeting [Poster Presentation]. 12th Austrian Peptide Symposium, Wien, Austria.

[Link](#)

104 Chemie

106 Biologie
301 Medizinisch-theoretische Wissenschaften, Pharmazie

Kostolani, D., Lechner, S., & Schlund, S. (2023, June 15). Make it Implicit!: Investigating Actions as Implicit Triggers in Unstructured Projection-Assisted Workspaces [Poster Presentation]. CHIWORK '23, Oldenburg, Germany.

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102 Informatik
211 Andere Technische Wissenschaften
501 Psychologie

Janknecht, R., Weiss, K., Hahn, R., Koutna, N., Ntemou, E., Wojcik, T., Polcik, P., Kolozsvári, S., Primetzhofer, D., & Mayrhofer, P. H. (2023, October 18). A strategic design approach controlling the B-solubility in Ti-B-N thin films [Poster Presentation]. 93rd IUVESTA Workshop, Seggau, Austria.

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Janknecht, R., Weiss, K., Koutna, N., Ntemou, E., Polcik, P., Kolozsvári, S., Primetzhofer, D., Mayrhofer, P. H., & Hahn, R. (2023, November 27). A Strategic Design Approach Controlling the B-Solubility in Transition Metal Nitride-Based Thin Films [Poster Presentation]. 2023 MRS Fall Meeting, Boston, United States of America (the).

[Link](#)

203 Maschinenbau
205 Werkstofftechnik

Schnalzer, D., Vogel, F. D., Fabjan, J., Koniuszewski, F. T., Schaar, B., Schnürch, M., Ernst, M., & Mihovilovic, M. (2023, August 16). Design and Synthesis of Novel Pyrazoloquinolinone Ligands for Selective and Site-Specific Modulation of GABAA Receptors [Poster Presentation]. ACS Fall Meeting 2023, San Francisco, California, United States of America (the).

[Link](#)

104 Chemie
204 Chemische Verfahrenstechnik
301 Medizinisch-theoretische Wissenschaften, Pharmazie

Meindl, B., Lenz, A., Holzer, B., & Mikula, H. (2023, May). Modified Peptide Nucleic Acids for RNA-Targeting [Poster Presentation]. ELRIG Therapeutic OLIGO & European Chemical Biology Symposium 2023, Gothenburg, Sweden.

[Link](#)

104 Chemie
106 Biologie

Hold, S., Mechtler, T., Schwarz, M., Rosenberg, E. E., & Kasper, D. (2023, February 22). Combined assay methodology for the analysis of enzyme activities and biomarker concentrations for Fabry, Gaucher, Krabbe, Niemann Pick types A/B, and Pompe disease [Poster Presentation]. 19th Annual WORLDSymposium 2023, Orlando, United States of America (the).

[Link](#)

104 Chemie
106 Biologie
301 Medizinisch-theoretische Wissenschaften, Pharmazie

Klampfl, B., Wöhrer, S., Kahr, J., & Rosenberg, E. E. (2023, April 11). Fast Gas Chromatography with development of a negative-thermal gradient GC for the study of volatile products formed in lithium-ion batteries [Poster Presentation]. ANAKON 2023, Wien, Austria.

[Link](#)

104 Chemie

Manousi, N., FERRACANE, A., Kalogiouri, N., Furton, K. G., Tranchida, P. Q., Mondello, L., Zachariadis, G. A., Rosenberg, E. E., Samanidou, V. F., & Kabir, A. (2023, April 11). Titania-based second-generation fabric phase sorptive extraction media: Synthesis, characterization, and preliminary evaluation [Poster Presentation]. ANAKON 2023, Wien, Austria.

[Link](#)

104 Chemie

Gibbs, D. K., Frank, J., & Limbeck, A. (2023, June 5). A novel approach for the assesment of the water content in thin film polymers [Poster Presentation]. NAWLA 2023, United States of America (the).

[Link](#)

104 Chemie

Dal Cin, S., Pilat, F., Konecný, A., Opacak, N., Strasser, G., & Schwarz, B. (2023, June 26). Controlling transverse modes in Quantum Cascade Laser Frequency Combs using radio-frequency injection [Poster Presentation]. 2023 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC), Munich, Germany.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Brunnmayr, K., & Weiss, A. (2023, March). Bridging the Gap: Using a Game-based Approach to Raise Lay People's Awareness About Care Robots [Poster Presentation]. ACM/IEEE International Conference on Human-Robot Interaction 2023, Stockholm, Sweden. <https://doi.org/10.1145/3568294.3580125>

[Link](#)

102 Informatik

Roccon, A., Mangani, F., Zonta, F., & Soldati, A. (2023, November 19). Heat Transfer in drop-laden turbulence [Poster Presentation]. 76th Annual Meeting of the APS Division of Fluid Dynamics (APS-DFD 2023), Washington, United States of America (the). <https://doi.org/10.1103/APS.DFD.2023.GFM.P0003>

[Link](#)

101 Mathematik

103 Physik, Astronomie

203 Maschinenbau

Sitara, A., Hocq, R. V., & Pflügl, S. (2023, August 31). A modular cloning system for Thermoanaerobacter kivui [Poster Presentation]. 16th International Congress Thermophiles 2023, Bangor, United Kingdom of Great Britain and Northern Ireland (the).

[Link](#)

209 Industrielle Biotechnologie

Horvath, J. A., Hocq, R. V., & Pflügl, S. (2023, September 1). A high-temperature gas fermentation system based on Thermoanaerobacter kivui [Poster Presentation]. 16th International Congress Thermophiles 2023, Bangor, United Kingdom of Great Britain and Northern Ireland (the).

[Link](#)

209 Industrielle Biotechnologie

Horvath, J. A., Hocq, R. V., & Pflügl, S. (2023, September 19). Adaptation of Thermoanaerobacter kivui to carboxydrotrophy [Poster Presentation]. 6th meeting on Microbial Responses to Stress - Microbial Stress 2023, Wien, Austria.

[Link](#)

209 Industrielle Biotechnologie

Rudorfer, M., Suchi, M., Sridharan, M., Vincze, M., & Leonardis, A. (2023, January 13). BURG-Toolkit: Robot Grasping Experiments in Simulation and the Real World [Poster Presentation]. 4th UK Robot

Manipulation Workshop, Bristol, United Kingdom of Great Britain and Northern Ireland (the). <https://doi.org/10.34726/5453>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Weilach, C. (2023, April). Next generation catalysts for CO₂ hydrogenation to methanol [Poster Presentation]. Conference on CO₂-based Fuels and Chemicals 2023, Köln, Germany.

[Link](#)

104 Chemie

Valentini, F., Tawachkultanadilok, P., Wittayakun, J., & Föttinger, K. (2023, September 25). Alternative approach to Zeolite – Carbon composites synthesis with enhanced CO₂ adsorption properties [Poster Presentation]. Joint TACO-NanoCat Conference 2023, Wien, Austria.

[Link](#)

104 Chemie

Lindenbauer, F., Boguslavski, K., Kurkela, A., Lappi, T., & Peuron, J. (2023, September 5). Jet momentum broadening during initial stages in kinetic theory [Poster Presentation]. XXXth International Conference on Ultra-relativistic Nucleus-Nucleus Collisions (Quark Matter 2023), Houston, United States of America (the).

[Link](#)

103 Physik, Astronomie

Wanzenböck, R., Buchner, F., Carrete Montana, J., & Madsen, G. K. H. (2023, September). Accelerated Search for Surface Reconstructions [Poster Presentation]. Joint TACO-NanoCat Conference 2023, Wien, Austria.

[Link](#)

102 Informatik

103 Physik, Astronomie

104 Chemie

Unglert, N., Carrete Montana, J., Pártay, L. B., & Madsen, G. K. H. (2023, February 12). Neural-Network-Based Nested Sampling for Efficient Exploration of Configuration Space: A Silicon Case Study [Poster Presentation]. 2nd Annual PhD Workshop (TACO 2023), JUFA Schladming/Stmk, Austria.

[Link](#)

102 Informatik

103 Physik, Astronomie

104 Chemie

Buchner, F. (2023, February). The Elusive Fe₂O₃(1-102) 2×1 Reconstruction: New Prediction Strategies [Poster Presentation]. 2nd TACO-PhD 2023 Retreat, Schladming, Austria.

[Link](#)

104 Chemie

Kamencek, T., Filipov, V., Schetinger, V., Miksch, S., & Rosenberg, R. (2023, December 16). TimeScapes: Towards a Visual Characterization of Modern Artist' Exhibition Acitivity [Poster Presentation]. CUDAN23: Cultural Data Analytics, Tallinn, Estonia.

[Link](#)

101 Mathematik

102 Informatik

Filipov, V., Arleo, A., Landesberger, T. von, & Archambault, D. (2023, October 21). Back to the Graphs: A Collection of Datasets and Quality Criteria for Temporal Networks Layout and Visualization [Poster Presentation]. IEEE VIS 2023, Melbourne, Australia. <https://doi.org/10.34726/5451>

[Link](#)

101 Mathematik
102 Informatik

Steinöcker, M., Talmazan, R. A., & Podewitz, M. (2023, September). Transition-Metal Conformers in Implicit and Explicit Solvent [Poster Presentation]. 6th EuChemS Inorganic Chemistry Conference, Wien, Austria. <http://hdl.handle.net/20.500.12708/193607>

[Link](#)

104 Chemie

Kiss, F., Langwieser, R., Prüller, R., Groll, H., Zhao, S., & Rupp, M. (2023, November 22). Measurement Environment for RIS Enhanced Wireless Channels [Poster Presentation]. SAL Symposium on 6G, Linz, Austria. <http://hdl.handle.net/20.500.12708/193622>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Huang, Z., Prüller, R., Cai, X., Rupp, M., & Schwarz, S. (2023, November 22). Optimal Phasors for wideband RIS transmissions [Poster Presentation]. SAL Symposium 6G, Linz, Austria. <http://hdl.handle.net/20.500.12708/193621>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Prüller, R., Pedersen, T., & Rupp, M. (2023, November). An Empirical Lower Bound on Singular Value Ratios for MIMO LOS Links [Poster Presentation]. SAL Symposium on 6G, Linz, Austria.

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Tripkovic, S., Svoboda, P., & Rupp, M. (2023, November). VPL-DT: Learning AoA-dependent VPL in Trains via End-User Measurements [Poster Presentation]. SAL symposium 6G, Linz, Austria. <http://hdl.handle.net/20.500.12708/193623>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik

Baumüller, J., Lopatta, K., & Hrinkow, M. (2023). § 3: ESRS 1 – Allgemeine Anforderungen. In J. Freiberg & G. Lanfermann (Eds.), ESRS Kommentar?: Kommentar zu den European Sustainability Reporting Standards (pp. 87–173) [Contribution to Law Commentary]. Haufe. <http://hdl.handle.net/20.500.12708/191710>

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J., & Lopatta, K. (2023). § 4: ESRS 2 – Allgemeine Angaben (Tz. 1–29 & 78–143). In J. Freiberg & G. Lanfermann (Eds.), ESRS Kommentar?: Kommentar zu den European Sustainability Reporting Standards (pp. 175–298) [Contribution to Law Commentary]. Haufe. <http://hdl.handle.net/20.500.12708/191712>

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J., Auer, C., & Müller, S. (2023). § 11: Vorbemerkungen zu ESRS S1–S4. In J. Freiberg & G. Lanfermann (Eds.), ESRS Kommentar?: Kommentar zu den European Sustainability Reporting Standards (pp. 699–702) [Contribution to Law Commentary]. Haufe. <http://hdl.handle.net/20.500.12708/191707>

[Link](#)

211 Andere Technische Wissenschaften
502 Wirtschaftswissenschaften

Baumüller, J., Leben, A., & Wieser, C. (2023). § 12: ESRS S1 – Eigene Belegschaft. In J. Freiberg & G. Lanfermann (Eds.), *ESRS Kommentar?: Kommentar zu den European Sustainability Reporting Standards* (pp. 703–834) [Contribution to Law Commentary]. Haufe. <http://hdl.handle.net/20.500.12708/191708>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Baumüller, J. (2023). § 14: ESRS S3 – Betroffene Gemeinschaften. In J. Freiberg & G. Lanfermann (Eds.), *ESRS Kommentar?: Kommentar zu den European Sustainability Reporting Standards* (pp. 883–921) [Contribution to Law Commentary]. Haufe. <http://hdl.handle.net/20.500.12708/191709>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Baumüller, J. (2023). Nichtfinanzielle Erklärung, nichtfinanzieller Bericht. In *Handbuch zum Rechnungslegungsgesetz - Rechnungslegung, Prüfung und Offenlegung* (25. Lieferung) (pp. 1–92) [Contribution to Law Commentary]. LexisNexis. <http://hdl.handle.net/20.500.12708/191716>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Cleantech Cluster / Business Upper Austria – OÖ Wirtschaftsagentur GmbH. (2023). *Leitfaden: Einstieg in die neue europäische Nachhaltigkeitsberichterstattung* [Scientific Brochure]. Business Upper Austria – OÖ Wirtschaftsagentur GmbH. <https://doi.org/10.34726/5481>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Meinharder, E., Krammer, A., Scopelliti, D., Santiago, J., & Sola, M. (2023, January). Temporär, experimentell, schnell [Interview]. *dérive - Zeitschrift für Stadtforschung*. <http://hdl.handle.net/20.500.12708/187009>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Rieger-Jandl, A., & Atzler, M. (2023, June 5). Versiegelte Erde - der sorglose Umgang mit unserem Boden [Interview]. *Ö1 Radiokolleg*. <http://hdl.handle.net/20.500.12708/187033>

[Link](#)

201 Bauwesen

Rieger-Jandl, A., & Aigner, F. (2023, March 20). Lehm- und Ziegelbau: Alte Technik mit großer Zukunft [Interview]. *TU Wien News*. <http://hdl.handle.net/20.500.12708/177561>

[Link](#)

201 Bauwesen

Steinbrunner, B., Stumfol, I., & Atzler, M. (2023, June 5). Versiegelte Erde - der sorglose Umgang mit unserem Boden [Interview]. *Ö1 Radiokolleg*. <http://hdl.handle.net/20.500.12708/187088>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Baumüller, J. (2023, September 7). 4 questions for: Dr. Josef Baumüller [Interview]. *Warimpex*. <http://hdl.handle.net/20.500.12708/188251>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Kern, L. M. (2023, March). Geodäsie und Geoinformation (TU Wien) | BeSt3 2023 Wien [Interview]. <http://hdl.handle.net/20.500.12708/188253>

[Link](#)

102 Informatik

105 Geowissenschaften

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Esterbauer, L. (2023, April 28). Energiegemeinschaften: Vor- und Nachteile des smarten Energie-Sharings [Interview]. A-SIT Zentrum für sichere Informationstechnologie – Austria. <http://hdl.handle.net/20.500.12708/188415>

[Link](#)

102 Informatik

202 Elektrotechnik, Elektronik, Informationstechnik

Pasek, D., Ahn, S., Hauck, T., & Klee, I. (2023, June 5). Im Gespräch mit Susann Ahn und Thomas Hauck [Interview]. Orange 94.0. <http://hdl.handle.net/20.500.12708/188495>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Reisinger, J. (2023, July 19). Algorithmen für Impact [Interview]. <http://hdl.handle.net/20.500.12708/189752>

[Link](#)

201 Bauwesen

Schwarzböck, T. (2023, November 23). “Abfall im öffentlichen Raum bietet enormes Recyclingpotenzial” [Interview]. Kurier. <http://hdl.handle.net/20.500.12708/189898>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Plank, L., & Mackinger, C. (2023, August). Eine Frage der Versorgungssicherheit [Interview]. AUGUSTIN. <http://hdl.handle.net/20.500.12708/190356>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Woels, M. F., Hubatschke, C., & Schürer, O. (2023, March 5). Die gesellschaftliche Maschine [Interview]. SKUG. <http://hdl.handle.net/20.500.12708/190355>

[Link](#)

102 Informatik

201 Bauwesen

202 Elektrotechnik, Elektronik, Informationstechnik

Bürbaumer, M., Dörrzapf, L., Kammerhofer, A., Lemmerer, H., & Wieser, L. G. (2023, November 21). Stadt von Morgen – Autos raus? [Interview]. Radio Radieschen. <http://hdl.handle.net/20.500.12708/191100>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Trautner, T. F. (2023, March 15). Interview?: Market-X Conference & Expo [Interview]. <https://doi.org/10.34726/5477>

[Link](#)

202 Elektrotechnik, Elektronik, Informationstechnik
203 Maschinenbau

Haslinger, M. (2023, November). Implementierungsfragen betreffend den Daten-Governance-Rechtsakt der EU [Interview]. <http://hdl.handle.net/20.500.12708/191411>

[Link](#)

505 Rechtswissenschaften

Tellioglu, H., Herkommer, F., & Flecker, J. (2023, June). Wehrhaft im Wandel [Interview]. Arbeit & Wirtschaft. <http://hdl.handle.net/20.500.12708/192015>

[Link](#)

102 Informatik

Steinbrunner, B., & Beringer, E. (2023, October). Barbara Steinbrunner über Bodenschutz, den österreichischen Flächenverbrauch und die Einfamilienhaus-Mentalität [Interview]. <http://hdl.handle.net/20.500.12708/193557>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

VDI. (2023, July). VDI 6220 Blatt 2; Bionik - Bionische Entwicklungsmethodik - Produkte und Verfahren (6220 Blatt 2). Beuth. <http://hdl.handle.net/20.500.12708/187365>

[Link](#)

103 Physik, Astronomie

Österreichischer Wasser- und Abfallwirtschaftsverband. (2023). ÖWAV-Expert:innenpapier „Klärschlammverwertungswege für kleinere kommunale Anlagen (. Österreichischer Wasser- und Abfallwirtschaftsverband. <http://hdl.handle.net/20.500.12708/187851>

[Link](#)

201 Bauwesen

207 Umweltingenieurwesen, Angewandte Geowissenschaften

Müller, H. L. (2023, February 13). Wohnbauland in Wien: Preistreiber Privatunternehmen. Arbeit & Wirtschaft blog (awblog.at). <https://doi.org/10.34726/3725>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Gebeshuber, I.-C. (2023, September 20). The new VDI Technical Rule “Biomimetics - Biomimetic design methodology - Products and processes.” International Society of Bionic Engineering. <http://hdl.handle.net/20.500.12708/189471>

[Link](#)

103 Physik, Astronomie

Baumüller, J., & Dilber, L. (2023, November 17). Am Weg von der nicht-finanziellen zur zukünftigen europäischen Nachhaltigkeitsberichterstattung. Arbeit & Wirtschaft blog. <http://hdl.handle.net/20.500.12708/189739>

[Link](#)

211 Andere Technische Wissenschaften

502 Wirtschaftswissenschaften

Abeliansky, A. L., Bloom, D., Bontadini, F., Gasteiger, E., Mazed Gil, P., Kuhn, M., Moraliyska, M.,

Peralta, C., & Prettnner, K. (2023, June 13). Fostering a sustainable digital transformation. VOX EU Column. <http://hdl.handle.net/20.500.12708/190362>

[Link](#)

502 Wirtschaftswissenschaften

Soteropoulos, A., & Pühringer, F. (2023, February 24). Falschparken: Ein stetiges Problem für die Öffis in Wien. Maps and Minds. <http://hdl.handle.net/20.500.12708/190361>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Brezina, T., & Hartmuth, M. (2023, December 6). Europas Kulturhauptstadt 2025 auf Schiene bringen. Junge Akademie-Blog. <http://hdl.handle.net/20.500.12708/190359>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Soteropoulos, A., & Pühringer, F. (2023, April 13). Die Klimakrise auf Österreichs Skipisten. Maps and Minds. <http://hdl.handle.net/20.500.12708/190718>

[Link](#)

201 Bauwesen

Pühringer, F., & Soteropoulos, A. (2023, May 23). Wie nah ist die Nahversorgung Österreichs? Maps and Minds. <http://hdl.handle.net/20.500.12708/190726>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Pühringer, F., Soteropoulos, A., & Kalasek, R. (2023, August 11). Sitzen statt liegen? Die Zuverlässigkeit der ÖBB-Nightjets in Daten. Maps and Minds. <http://hdl.handle.net/20.500.12708/190725>

[Link](#)

201 Bauwesen

507 Humangeographie, Regionale Geographie, Raumplanung

Haubner, R. (2023, November 28). Kritische Betrachtungen zur Zusammenarbeit von Archäologen und Naturwissenschaftlern. Archäologische Denkmalpflege. <https://doi.org/10.34726/5442>

[Link](#)

104 Chemie

601 Geschichte, Archäologie

Steinbrunner, B., Stumfol, I., & Schartmüller, L. (2023, December). How we teach and talk about Single Family Homes: “Single Family Homes” and “Single Family Home – thinking ahead” as a set of courses. AESOP Association of European Schools of Planning. <http://hdl.handle.net/20.500.12708/192462>

[Link](#)

502 Wirtschaftswissenschaften

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Vrecar, R., & Aichinger-Fankhauser, T. (2023, June 12). Dare to Care – Designing Differently, Imagining Collaboratively. TU Wien Informatics. <http://hdl.handle.net/20.500.12708/192253>

[Link](#)

102 Informatik

Vrecar, R. (2023, October 3). Student Review: "Sustainability" – a Term with Various Meanings and Implications. CTS. <http://hdl.handle.net/20.500.12708/192255>

[Link](#)

509 Andere Sozialwissenschaften

Eisinger, A., Kopf, E.-M., Peter, M., Uffer, S., Berger, M., Scheuven, R., Pühringer, F., Sander, V., Mitteregger, M., & Soteropoulos, A. (2023). Räumlich-differenzierte Auswirkungen des automatisierten Fahrens. <http://hdl.handle.net/20.500.12708/194404>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Beck, J., Hiesl, A., Hölzl, D., Klötzl, G., Lins, S., Niedworok, F., Stockenhuber, R., & Witthöft, G. (2023). Handbuch Pocket Mannerhatten 2.0?: eine Anleitung zum räumlichen Teilen und Tauschen (Konsortium Pocket Mannerhatten Ottakring, Ed.). <https://doi.org/10.34726/5519>

[Link](#)

504 Soziologie

507 Humangeographie, Regionale Geographie, Raumplanung

Moghadas, E., Reitner, M., Toschi, A., & Sangiovanni, G. (2023, August 30). Enhancement of Electron-Phonon Coupling due to Nonperturbative Many-Electron Effects [Poster Presentation]. TRIQS Summer School 2023, Paris, France. <http://hdl.handle.net/20.500.12708/194325>

[Link](#)

103 Physik, Astronomie

Eßl, H., Reitner, M., & Toschi, A. (2023, August 30). Vertex Divergences and the End of Self-Consistent Perturbation Theory [Poster Presentation]. TRIQS Summer School 2023, Paris, France. <http://hdl.handle.net/20.500.12708/194324>

[Link](#)

103 Physik, Astronomie

Reischer, G., Campostrini, L., Kolm, C., Piglmann, L., Jakwerth, S., Grasso, L., Vogl, W., Wagner, C. K., Finsterwald, M., Zepke, G., Bousek, J., Moritz, J., Weiler, M., Bauer, G., Farnleitner, A., & Kirschner, A. (2023, September 13). Real-time monitoring of microbiological and chemo-physical water quality in deployable water purification systems - Project SEWAT [Poster Presentation]. 3rd International Symposium on Mobile Water Supply in Operations, Münster, Germany. <http://hdl.handle.net/20.500.12708/194445>

[Link](#)

106 Biologie

303 Gesundheitswissenschaften

Klement, L., Pfennigbauer, K., Bader, D., Krall, S., Fruhmann, P., & Holzer, B. (2023, May 2). N-Heterocyclic carbene-based self-assembled monolayers as new materials for biosensors [Poster Presentation]. 2nd Conference of Applied Surface Technology (COAST 2023), Wien, Austria. <http://hdl.handle.net/20.500.12708/194444>

[Link](#)

104 Chemie

204 Chemische Verfahrenstechnik

301 Medizinisch-theoretische Wissenschaften, Pharmazie

Giolai, V., & Löschenbrand, D. (2023). Zukunft urbane Lebensmittelräume: Herausforderungen und Potenziale. <https://doi.org/10.34726/5101>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung

Haas, M., & Kobras, V. (2023). Kreislaufwirtschaft im Bauwesen. Transformative Impulse hin zur

zirkulären Stadt (pp. 1–10). <https://doi.org/10.34726/5262>

[Link](#)

507 Humangeographie, Regionale Geographie, Raumplanung