

## Publikacja

Abdulhamid M. I., Kikoła Daniel, Kołaś Jędrzej [i in.], STAR Collaboration: Strangeness production in  $\sqrt{s_{\text{NN}}} = 3$  GeV Au+Au collisions at RHIC, Journal of High Energy Physics, 2024, vol. 2024, nr 10, s.1-24, Numer artykułu:139. DOI:10.1007/jhep10(2024)139

Abdulhamid M. I., Kikoła Daniel, Mallick Debasish [i in.], STAR Collaboration: Longitudinal and transverse spin transfer to  $\Lambda$  and  $\bar{\Lambda}$  hyperons in polarized p+p collisions at  $\sqrt{s}=200$  GeV, Physical Review D, 2024, vol. 109, nr 1, s.1-15, Numer artykułu:012004. DOI:10.1103/PhysRevD.109.012004

Abdulhamid M. I., Kikoła Daniel, Mallick Debasish [i in.], STAR Collaboration: Measurements of the  $Z0/\gamma^*$  cross section and transverse single spin asymmetry in 510 GeV p + p collisions, Physics Letters B, 2024, vol. 854, s.1-9, Numer artykułu: 138715. DOI:10.1016/j.physletb.2024.138715

Abdulhamid M. I., Kikoła Daniel, Mallick Debasish [i in.], STAR Collaboration: Observation of Strong Nuclear Suppression in Exclusive  $J/\psi$  Photoproduction in Au+Au Ultraperipheral Collisions at RHIC, Physical Review Letters, 2024, vol. 133, nr 5, s.1-9, Numer artykułu:052301. DOI:10.1103/physrevlett.133.052301

Abdulhamid M. I., Kikoła Daniel, Mallick Debasish [i in.], STAR Collaboration: Observation of the antimatter hypernucleus  ${}_{\Lambda}^{\bar{4}}\text{H}$ , Nature, 2024, vol. 632, nr 8027, s.1026-1031. DOI:10.1038/s41586-024-07823-0

Abdulhamid M. I., Kikoła Daniel, Pawłowska-Szymańska Diana [i in.], STAR Collaboration: Collision-energy dependence of deuteron cumulants and proton-deuteron correlations in Au+Au collisions at RHIC, Physics Letters B, 2024, vol. 855, s.1-8, Numer artykułu:138560. DOI:10.1016/j.physletb.2024.138560

Abdulhamid M.I., Kikoła Daniel, Kołaś Jędrzej [i in.], STAR Collaboration: Measurements of charged-particle multiplicity dependence of higher-order net-proton cumulants in p + p collisions at  $\sqrt{s}=200$  GeV from STAR at RHIC, Physics Letters B, 2024, vol. 857, s.1-7, Numer artykułu:138966. DOI:10.1016/j.physletb.2024.138966

Abgrall N., Bryliński Wojciech, Cybowska Justyna [i in.], NA61/SHINE Collaboration: K $^0$ S meson production in inelastic p+p interactions at 31, 40 and 80 GeV/c beam momentum measured by NA61/SHINE at the CERN SPS, European Physical Journal C, 2024, vol. 84, nr 8, s.1-17, Numer artykułu:820. DOI:10.1140/epjc/s10052-024-13056-2

Abratkiewicz Karol : Multitaper ISAR Noise Suppression, IEEE Transactions on Geoscience and Remote Sensing, 2024, vol. 62, s.1-13. DOI:10.1109/TGRS.2024.3427397

Abratkiewicz Karol, Gajo Zbigniew : Gridless High-Order Target Kinematic Parameter Estimation in Passive Radars—From Cross-Ambiguity Function to Zak Transform, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, vol. 17, s.1-14. DOI:10.1109/JSTARS.2024.3449392

Acharya S., Chakraborty Pritam, Chochulska Zuzanna Anna [i in.], ALICE Collaboration: Investigating strangeness enhancement with multiplicity in pp collisions using angular correlations, Journal of High Energy Physics, 2024, vol. 2024, nr 9, s.1-37, Numer artykułu:204. DOI:10.1007/JHEP09(2024)204

Acharya S., Chakraborty Pritam, Chochulska Zuzanna Anna [i in.], ALICE Collaboration: Measurement of the impact-parameter dependent azimuthal anisotropy in coherent  $p_0$  photoproduction in Pb–Pb collisions at  $\sqrt{s_{\text{NN}}}=5.02$  TeV, Physics Letters B, 2024, vol. 858, s.1-14, Numer artykułu:139017. DOI:10.1016/j.physletb.2024.139017

Acharya S., Chakraborty Pritam, Chochulska Zuzanna Anna [i in.], ALICE Collaboration: Measurement of  $\omega$   $c_0$  baryon production and branching-fraction ratio  $BR(\omega \rightarrow \omega^- e^+ e^-)/BR(\omega \rightarrow \omega^- \pi^+)$  in pp collisions at  $\sqrt{s}=13$  TeV, Physical Review D, 2024, vol. 110, nr 3, s.1-15, Numer artykułu:032014. DOI:10.1103/PhysRevD.110.032014

Acharya S., Chakraborty Pritam, Dubiński Jan [i in.], ALICE Collaboration: Investigating the composition of the  $\chi_{c0}(700)$  state with  $\pi^\pm \chi_{c0}$  correlations at the LHC, Physics Letters B, 2024, vol. 856, s.1-15, Numer artykułu:138915. DOI:10.1016/j.physletb.2024.138915

Acharya S., Chakraborty Pritam, Dubiński Jan [i in.], ALICE collaboration: Measurement of beauty-quark production in pp collisions at  $\sqrt{s}=13$  TeV via non-prompt D mesons, Journal of High Energy Physics, 2024, vol. 2024, nr 10, s.1-33, Numer artykułu:110. DOI:10.1007/JHEP10(2024)110

Acharya S., Chakraborty Pritam, Dubiński Jan [i in.], ALICE Collaboration: Studying the interaction between charm and light-flavor mesons, Physical Review D, 2024, nr 3, s.1-26, Numer artykułu:032004. DOI:10.1103/PhysRevD.110.032004

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: Azimuthal anisotropy of jet particles in p-Pb and Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, nr 8, s.1-28, Numer artykułu:234. DOI:10.1007/JHEP08(2024)234

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: Measurement of the fraction of jet longitudinal momentum carried by  $\Lambda_c^+$  baryons in pp collisions, *Physical Review D*, 2024, vol. 109, s.1-13, Numer artykułu:072005. DOI:10.1103/PhysRevD.109.072005

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: Measurement of the radius dependence of charged-particle jet suppression in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV, *Physics Letters B*, 2024, vol. 849, s.1-22, Numer artykułu:138412. DOI:10.1016/j.physletb.2023.138412

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: Measurements of inclusive  $J/\psi$  production at midrapidity and forward rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV, *Physics Letters B*, 2024, vol. 849, s.1-20, Numer artykułu:138451. DOI:10.1016/j.physletb.2024.138451

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: Search for the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Xe-Xe collisions at  $\sqrt{s_{NN}} = 5.44$  TeV, *Physics Letters B*, 2024, vol. 856, s.1-14, Numer artykułu:138862. DOI:10.1016/j.physletb.2024.138862

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: The ALICE experiment: a journey through QCD, *European Physical Journal C*, 2024, vol. 84, nr 8, s.1-221, Numer artykułu:813. DOI:10.1140/epjc/s10052-024-12935-y

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration:  $\psi(2S)$  Suppression in Pb-Pb Collisions at the LHC, *Physical Review Letters*, 2024, vol. 132, s.1-13. DOI:10.1103/PhysRevLett.132.042301

Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Charged-particle production as a function of the relative transverse activity classifier in pp, p-Pb, and Pb-Pb collisions at the LHC, *Journal of High Energy Physics*, 2024, vol. 2024, s.1-30, Numer artykułu:56. DOI:10.1007/JHEP01(2024)056

Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: First measurement of the  $|t|$ -dependence of incoherent  $J/\psi$  photonuclear production, *Physical Review Letters*, 2024, vol. 132, s.1-14, Numer artykułu:162302. DOI:10.1103/PhysRevLett.132.162302

Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE collaboration: Light-flavor particle production in high-multiplicity pp collisions at  $\sqrt{s} = 13$  TeV as a function of transverse sphericity, *Journal of High Energy Physics*, 2024, vol. 2024, nr 5, s.1-56, Numer artykułu:184. DOI:10.1007/JHEP05(2024)184

Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Measurement of (anti)alpha production in central Pb-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV, *Physics Letters B*, 2024, vol. 858, s.1-16, Numer artykułu:138943. DOI:10.1016/j.physletb.2024.138943

Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Measurement of inclusive charged-particle jet production in pp and Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, nr 5, s.1-31, Numer artykułu:41. DOI:10.1007/JHEP05(2024)041

Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Measurement of the low-energy antitriton inelastic cross section, *Physics Letters B*, 2024, vol. 848, s.1-13, Numer artykułu:138337. DOI:10.1016/j.physletb.2023.138337

Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Measurements of Chemical Potentials in Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV, *Physical Review Letters*, 2024, vol. 133, nr 9, s.1-15, Numer artykułu:092301. DOI:10.1103/PhysRevLett.133.092301

Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Measurements of long-range two-particle correlation over a wide pseudorapidity range in p-Pb collisions at  $\sqrt{s_{NN}}=5.0$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, s.1-30, Numer artykułu:199. DOI:10.1007/JHEP01(2024)199

Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Modification of charged-particle jets in event-shape engineered Pb-Pb collisions at  $\sqrt{s_{NN}} = 5$  TeV, *Physics Letters B*, 2024, vol. 851, s.1-13, Numer artykułu:138584. DOI:10.1016/j.physletb.2024.138584

Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Multiplicity and event-scale dependent flow and jet fragmentation in pp collisions at  $\sqrt{s} = 13$  TeV and in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, nr 3, s.1-34, Numer artykułu:92. DOI:10.1007/JHEP03(2024)092

- Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE collaboration: Multiplicity dependence of charged-particle intra-jet properties in pp collisions at  $\sqrt{s} = 13$  TeV, *European Physical Journal C*, 2024, vol. 84, nr 10, s.1-26, Numer artykułu:1079. DOI:10.1140/epjc/s10052-024-13228-0
- Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Multiplicity-dependent production of  $\Sigma(1385)^\pm$  and  $\Xi(1530)0$  in pp collisions at  $s = 13$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, nr 5, s.1-35, Numer artykułu:317. DOI:10.1007/JHEP05(2024)317
- Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Observation of abnormal suppression of  $f_0(980)$  production in p–Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV, *Physics Letters B*, 2024, vol. 853, s.1-15, Numer artykułu:138665. DOI:10.1016/j.physletb.2024.138665
- Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Observation of medium-induced yield enhancement and acoplanarity broadening of low-pT jets from measurements in pp and central Pb–Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV, *Physical Review Letters*, 2024, vol. 133, nr 2, s.1-13, Numer artykułu:022301. DOI:10.1103/PhysRevLett.133.022301
- Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Photoproduction of K+K- Pairs in Ultraperipheral Collisions, *Physical Review Letters*, 2024, vol. 132, nr 22, s.1-13, Numer artykułu:222303. DOI:10.1103/PhysRevLett.132.222303
- Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Prompt and non-prompt  $J/\psi$  production at midrapidity in Pb–Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, nr 2, s.1-39, Numer artykułu:66. DOI:10.1007/JHEP02(2024)066
- Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Pseudorapidity dependence of anisotropic flow and its decorrelations using long-range multiparticle correlations in Pb–Pb and Xe–Xe collisions, *Physics Letters B*, 2024, vol. 850, s.1-17, Numer artykułu:138477. DOI:10.1016/j.physletb.2024.138477
- Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Search for jet quenching effects in high-multiplicity pp collisions at  $\sqrt{s} = 13$  TeV via di-jet acoplanarity, *Journal of High Energy Physics*, 2024, vol. 2024, s.1-32, Numer artykułu:229. DOI:10.1007/JHEP05(2024)229
- Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Skewness and kurtosis of mean transverse momentum fluctuations at the LHC energies, *Physics Letters B*, 2024, vol. 850, s.1-14, Numer artykułu:138541. DOI:10.1016/j.physletb.2024.138541
- Acharya S., Dubiński Jan, Graczykowski Łukasz [i in.], ALICE Collaboration: Studying strangeness and baryon production mechanisms through angular correlations between charged  $\Xi$  baryons and identified hadrons in pp collisions at  $s = 13$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, nr 9, s.1-41, Numer artykułu:102. DOI:10.1007/JHEP09(2024)102
- Acharya S., Graczykowski Łukasz, Gwiździel Katarzyna [i in.], ALICE Collaboration: Emergence of long-range angular correlations in low-multiplicity proton-proton collisions, *Physical Review Letters*, 2024, vol. 132, nr 17, s.1-13, Numer artykułu:172302. DOI:10.1103/PhysRevLett.132.172302
- Adewale Omowumi Oyeronke, Wińska Patrycja, Piasek Adrianna [i in.]: The Potential of Plant Polysaccharides and Chemotherapeutic Drug Combinations in the Suppression of Breast Cancer, *International Journal of Molecular Sciences*, 2024, vol. 25, nr 22, s.1-25, Numer artykułu:12202. DOI:10.3390/ijms252212202
- Adhikary H., Borucka A., Bryliński Wojciech [i in.], NA61/SHINE Collaboration: Measurements of higher-order cumulants of multiplicity and net-electric charge distributions in inelastic proton–proton interactions by NA61/SHINE, *European Physical Journal C*, 2024, vol. 84, nr 9, s.1-17, Numer artykułu:921. DOI:10.1140/epjc/s10052-024-13076-y
- Adhikary H., Bryliński Wojciech, Cybowska Justyna [i in.], NA61/SHINE Collaboration: Measurements of  $\pi^\pm$ ,  $K^\pm$ , p and  $p^-$  spectra in 40Ar+45Sc collisions at 13A to 150A GeV/c, *European Physical Journal C*, 2024, vol. 84, nr 4, s.1-16, Numer artykułu:416. DOI:10.1140/epjc/s10052-024-12602-2
- Adhikary H., Bryliński Wojciech, Cybowska Justyna [i in.], NA61/SHINE Collaboration: Search for a critical point of strongly-interacting matter in central  $^{40}\text{Ar} + ^{45}\text{Sc}$  collisions at 13 A–75 A GeV/c beam momentum, *European Physical Journal C*, 2024, vol. 84, nr 7, s.1-22, Numer artykułu:741. DOI:10.1140/epjc/s10052-024-13012-0
- Al Sabouni-Zawadzka Anna, Gilewski Wojciech Jerzy, Charandabi R. N. [i in.]: Stability of tensegrity-inspired structures fabricated through additive manufacturing, *Composite Structures*, 2024, vol. 345, s.1-10, Numer artykułu:118377. DOI:10.1016/j.compstruct.2024.118377

Alabrudziński Sławomir, Suchecki Witold, Markowski Mariusz [i in.]: Energy expenditure in the Z-type plate heat and mass exchanger based on the concept of heat-integrated distillation column, *Applied Thermal Engineering*, 2024, vol. 256, s.1-15, Numer artykułu:123975. DOI:10.1016/j.applthermaleng.2024.123975

Alexeev G. D., Kurjata Robert, Marzec Janusz [i in.]: Final COMPASS Results on the Transverse-Spin-Dependent Azimuthal Asymmetries in the Pion-Induced Drell-Yan Process, *Physical Review Letters*, 2024, vol. 133, nr 7, s.1-8. DOI:10.1103/physrevlett.133.071902

Alexeev G. D., Kurjata Robert, Marzec Janusz [i in.]: High-Statistics Measurement of Collins and Sivers Asymmetries for Transversely Polarized Deuterons, *Physical Review Letters*, 2024, vol. 133, nr 10, s.1-7. DOI:10.1103/physrevlett.133.101903

Andrzejewski Jacek, Kemnitz Łukasz, Sałasińska Kamila : The development of a new type of sustainable flame retarded polyamide 6 (PA6)-based composites, modified with biocarbon/phosphorus flame retardant/basalt fiber system (BC/OP/BF). The evaluation of the material performance and flammability, *Polymer Degradation and Stability*, 2024, vol. 229, s.1-17, Numer artykułu:111002. DOI:10.1016/j.polymdegradstab.2024.111002

Angelidakis Vasileios, Boschi Katia, Brzeziński Karol [i in.]: YADE - An extensible framework for the interactive simulation of multiscale, multiphase, and multiphysics particulate systems, *Computer Physics Communications*, 2024, vol. 304, s.1-17, Numer artykułu:109293. DOI:10.1016/j.cpc.2024.109293

Asghar Aamer Bilal, Majeed Maham, Taseer Abdullah [i in.]: Classification and monitoring of arm exercises using machine learning and wrist-worn band, *Egyptian Informatics Journal*, 2024, vol. 27, s.1-12, Numer artykułu:100534. DOI:10.1016/j.eij.2024.100534

Ashraf Nimr Omar, Van Putte Niels, Meire Patrick [i in.]: Revealing mechanisms regulating diurnal groundwater level fluctuation in a temperate fen peatland: A spatiotemporal exploration, *Journal of Hydrology*, 2024, vol. 637, s.1-18, Numer artykułu:131414. DOI:10.1016/j.jhydrol.2024.131414

Atiba Ezekiel, Chwieduk Dorota : Design of a Positive Energy District: A Nigerian Case Study, *Renewable Energy*, 2024, vol. 237, part B, Numer artykułu:121635. DOI:10.1016/j.renene.2024.121635

Bachir Wesam, Khamaysa Ahmad, Iwasińska-Kowalska Olga : Noncontact Measurement of Respiratory Rate by an Optical Time of Flight Sensor, *IEEE Access*, 2024, vol. 12, s.156442-156457. DOI:10.1109/access.2024.3484992

Badoni Saumya, Terlecki Michał, Carret Sebastien [i in.]: Atomic-Level Structure of the Organic-Inorganic Interface of Colloidal ZnO Nanoplatelets from Dynamic Nuclear Polarization-Enhanced NMR, *Journal of the American Chemical Society*, 2024, vol. 146, nr 40, s.27655-27667. DOI:10.1021/jacs.4c09113

Badyda Artur Jerzy, Rogulski Mariusz : Closing Access Streets to Schools for Vehicular Traffic—Does It Affect the Air Quality?, *Sustainability*, 2024, vol. 16, nr 8, s.1-20, Numer artykułu:3380. DOI:10.3390/su16083380

Balcerak A., Szafron L, Rubel Tymon [i in.]: A Multi-Faceted Analysis Showing CRNDE Transcripts and a Recently Confirmed Micropeptide as Important Players in Ovarian Carcinogenesis, *International Journal of Molecular Sciences*, 2024, vol. 25, nr 8, s.1-28. DOI:10.3390/ijms25084381

Bamburowicz-Klimkowska Magdalena, Bystrzejewski Michał, Kasprzak Artur [i in.]: Monoclonal antibody-navigated carbon-encapsulated iron nanoparticles used for MRI-based tracking integrin receptors in murine melanoma, *Nanomedicine-Nanotechnology Biology and Medicine*, 2024, vol. 55, s.1-8, Numer artykułu:102721. DOI:10.1016/j.nano.2023.102721

Bandzerewicz Aleksandra, Howis Joanna, Wierzchowski Kamil [i in.]: Exploring the application of poly(1,2-ethanediol citrate)/polylactide nonwovens in cell culturing, *Frontiers in Bioengineering and Biotechnology*, 2024, vol. 12, s.1-13, Numer artykułu:1332290. DOI:10.3389/fbioe.2024.1332290

Banecki Krzysztof, Plewczyński Dariusz, Korsak Sevastianos : Advancements and future directions in single-cell Hi-C based 3D chromatin modeling, *Computational and Structural Biotechnology Journal*, 2024, vol. 23, s.3549—3558. DOI:10.1016/j.csbj.2024.09.026

Banecki Krzysztof, Plewczyński Dariusz, Korsak Sevastianos : Multiscale molecular modeling of chromatin with MultiMM: From nucleosomes to the whole genome, *Computational and Structural Biotechnology Journal*, 2024, vol. 23, s.3537-3548. DOI:10.1016/j.csbj.2024.09.025

Bańka Michał, Chmiel Norbert, Kostrzewski Mariusz [i in.]: Understanding Corporate Concerns. Barriers and Challenges in Corporate–Start-up Collaboration, *Journal of Open Innovation: Technology, Market, and Complexity*, 2024, vol. 10, nr 4, s.1-18, Numer artykułu:100388. DOI:10.1016/j.joitmc.2024.100388

Baranowska Patrycja, Kopińska Magdalena, Kołodziejek Dominik [i in.]: Microfluidic system for generating a three-dimensional (3D) vascularized islet-on-a-chip model, *Sensors and Actuators B - Chemical*, 2024, vol. 418, s.1-11, Numer artykułu:136302. DOI:10.1016/j.snb.2024.136302

Bartczak Krzysztof : *Business Models and Digital Technology Platforms. Implementation and Complexities for Digital Business*, 2024, Routledge, 206 s., ISBN 9781003473022. DOI:10.4324/9781003473022

Bartczak Mateusz, Pilarek Maciej : The Colourimetric Method for Mixing Time Measurement in Single-Use and Multi-Use Bioreactors—Methodology Overview and Practical Recommendations, *Energies*, 2024, vol. 17, nr 1, s.1-20, Numer artykułu:221. DOI:10.3390/en17010221

Bartecka Magdalena, Kłos Mariusz, Paska Józef : Effective Design Methodology of CLLC Resonant Converter Based on the Minimal Area Product of High-Frequency Transformer, *Energies*, 2024, nr 17, s.1-24. DOI:10.3390/en17010055

Bartecka Magdalena, Marchel Piotr, Zagrajek Krzysztof [i in.]: Reliability Model of Battery Energy Storage Cooperating with Prosumer PV Installations, *Energies*, 2024, vol. 17, nr 23, s.1-23, Numer artykułu:5839. DOI:10.3390/en17235839

Bartkowski Piotr, Pawliszak Łukasz, Chevale Siddhi G. [i in.]: Programmable Shape-Shifting Soft Robotic Structure Using Liquid Metal Electromagnetic Actuators, *Soft Robotics*, 2024, vol. 11, nr 5, s.802-811. DOI:10.1089/soro.2023.0144

Bartnik Krzysztof, Koba Marcin\*, Śmietana Mateusz Jakub : Advancements in Optical Fiber Sensors for in Vivo Applications – a Review of Sensors Tested on Living Organisms, *Measurement*, 2024, vol. 224, s.1-18, Numer artykułu:113818. DOI:10.1016/j.measurement.2023.113818

Bączyk Marcin Kamil, Samczyński Piotr Jerzy, Drozdowicz Jędrzej [i in.]: 3D High-resolution ISAR Imaging for Non-cooperative Air Targets, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 2024, vol. 17, s.4194 - 4207. DOI:10.1109/JSTARS.2024.3357120

Bednarczyk Wiktor, Wątroba Maria, Cieślak Grzegorz [i in.]: Enhanced mechanical properties and microstructural stability of ultrafine-grained biodegradable Zn–Li–Mn–Mg–Cu alloys produced by rapid solidification and high-pressure torsion, *Materials Science and Engineering A-Structural Materials Properties Microstructure And Processing*, 2024, vol. 892, s.1-16, Numer artykułu:146027. DOI:10.1016/j.msea.2023.146027

Bernat Rafał, Milewski Jarosław, Dybiński Olaf [i in.]: Review of AEM Electrolysis Research from the Perspective of Developing a Reliable Model, *Energies*, 2024, s.1-24, Numer artykułu:5030. DOI:10.3390/en17205030

Berrezueta-Palacios Charlotte, Nakar Dekel, Wróblewska Anna [i in.]: Collective radial breathing modes in homogeneous nanotube bundles, *Carbon*, 2024, vol. 224, s.1-6, Numer artykułu:119010. DOI:10.1016/j.carbon.2024.119010

Biecek Przemysław, Baniecki Hubert : Adversarial attacks and defenses in explainable artificial intelligence: A survey, *Information Fusion*, 2024, vol. 107, s.1-14, Numer artykułu:102303. DOI:10.1016/j.inffus.2024.102303

Biecek Przemysław, Baniecki Hubert, Krzyżiński Mateusz [i in.]: Performance Is Not Enough: The Story Told by a Rashomon Quartet, *Journal of Computational and Graphical Statistics*, 2024, vol. 33, nr 3, s.1118-1121. DOI:10.1080/10618600.2024.2344616

Biecek Przemysław, Samek Wojciech : Position: Explain to Question not to Justify, W: *Proceedings of the 41st International Conference on Machine Learning*, PMLR 235 / Salakhutdinov Ruslan [i in.] (red.), 2024, vol. 235, PMLR, s.3996-4006

Biedrzycki Rafał : Revisiting CEC 2022 ranking: a new ranking method and influence of parameter tuning, *Swarm and Evolutionary Computation*, 2024, vol. 89, s.1-14, Numer artykułu:101623. DOI:10.1016/j.swevo.2024.101623

Biniewicz Jan, Pyrz Mariusz : A quasi-steady-state minimum lap time simulation of race motorcycles using experimental data, *Vehicle System Dynamics*, 2024, vol. 62, nr 2, s.372-394. DOI:10.1080/00423114.2023.2170256

Bleschke Tomasz, Chaczykowski Maciej : Composition tracking of natural gas–hydrogen mixtures in pipeline flow using high-resolution schemes, *International Journal of Hydrogen Energy*, 2024, vol. 79, s.756-770. DOI:10.1016/j.ijhydene.2024.06.402

Bobecka-Wesołowska Konstancja, Tederko Piotr, Frasuńska Justyna [i in.]: Factors associated with employment of powered wheelchair users, *Disability and Rehabilitation. Assistive Technology*, 2024, vol. 19, nr 8, s.2983-2990. DOI:10.1080/17483107.2024.2328329

Bonecka Joanna, Turek Bernard, Jankowski Krzysztof [i in.]: Relationship between Feline Knee Joint Osteoarthritis and Bone Mineral Density Quantified Using Computed Tomography and Computed Digital Absorptiometry, *Animals*, 2024, vol. 14, nr 17, s.1-16, Numer artykułu:2615. DOI:10.3390/ani14172615

Borecki Michał, Sroka Jan : Variety of attenuation of RF suppression filters, *Measurement*, 2024, vol. 232, s.114584. DOI:10.1016/j.measurement.2024.114584

Borkowski Andrzej Szymon : Low-Cost Internet of Things Solution for Building Information Modeling Level 3B—Monitoring, Analysis and Management, *Journal of Sensor and Actuator Networks*, 2024, vol. 13, nr 2, s.1-17. DOI:10.3390/jsan13020019

Borkowski Andrzej Szymon, Drozd Wojciech, Zima Krzysztof : The Status of the Implementation of the Building Information Modeling Mandate in Poland: A Literature Review, *ISPRS International Journal of Geo-Information*, 2024, vol. 13, nr 343, s.1-14. DOI:10.3390/ijgi13100343

Borowska Weronika, Żubrowska-Sudoł Monika, Daskocz Nina : Decrease in Oxygen Concentration for the Fast Start-Up of Partial Nitritation/Anammox without Inoculum Addition, *Sustainability*, 2024, vol. 16, nr 2, s.1-18, Numer artykułu:622. DOI:10.3390/su16020622

Borowska Weronika, Żubrowska-Sudoł Monika, Daskocz Nina : Integration of batch assays and microbial community analysis for partial nitritation and anammox process monitoring, *Journal of Environmental Chemical Engineering*, 2024, vol. 12, nr 5, s.1-11, Numer artykułu:114004. DOI:10.1016/j.jece.2024.114004

Bradecki Tomasz, Uherek-Bradecka Barbara, Tofiluk Anna Maria [i in.]: Towards Sustainable Education by Design: Evaluating Pro-Ecological Architectural Solutions in Centers for Environmental Education, *Sustainability*, 2024, vol. 16, nr 12, s.1-25. DOI:10.3390/su16125053

Broszkiewicz Marek, Zalewska Aldona, Karpierz-Marczewska Ewelina [i in.]: Comparison of trifluoromethyl- and pentafluoroethyl-substituted dicyanoimidazole lithium salts—their association and electrochemical properties in oligo(ethylene glycols) of different chain length, *Journal of Molecular Liquids*, 2024, vol. 400, s.1-12, Numer artykułu:124550. DOI:10.1016/j.molliq.2024.124550

Brzeziński Karol, Ciężkowski Paweł, Józefiak Kazimierz [i in.]: Enhancing plate compactor efficiency: A study on frequency effects for different soil types, *Transportation Geotechnics*, 2024, vol. 49, s.1-10, Numer artykułu:101393. DOI:10.1016/j.trgeo.2024.101393

Brzeziński Mariusz, Pyza Dariusz, Archutowska Joanna [i in.]: Method of Estimating Energy Consumption for Intermodal Terminal Loading System Design, *Energies*, 2024, vol. 17, nr 24, s.1-33, Numer artykułu:6409. DOI:10.3390/en17246409

Budzeń Małgorzata, Kafarski Marcin, Szyplowska Agnieszka [i in.]: Effect of soil compaction on the measurements of complex dielectric permittivity spectrum with an open-ended antenna probe and the coaxial cell system, *Measurement*, 2024, vol. 237, s.1-12, Numer artykułu:115307. DOI:10.1016/j.measurement.2024.115307

Budzyńska Katarzyna, Stepin Iliia, Catala Alejandro [i in.]: Information-seeking dialogue for explainable artificial intelligence: Modelling and analytics, *Argument and Computation*, 2024, vol. 15, s.49-107. DOI:10.3233/AAC-220011

Bulsiewicz Tomasz, Łapka Piotr : Effects of additive manufacturing on convective heat transfer in 3D-printed micro/mini-channels and fluid passages with micro/mini structures - The review, *International Communications in Heat and Mass Transfer*, 2024, vol. 159, s.1-7, Numer artykułu:108057. DOI:10.1016/j.icheatmasstransfer.2024.108057

Caban Jacek, Seńko Jarosław, Ignaciuk Piotr : Laboratory Tests of Electrical Parameters of the Start-Up Process of Single-Cylinder Diesel Engines, *Energies*, 2024, vol. 17, nr 9, s.1-14, Numer artykułu:2155. DOI:10.3390/en17092155

Cacciali Luca, Hansen Martin O.L., Rogowski Krzysztof : Highly Stable Lattice Boltzmann Method with a 2-D Actuator Line Model for Vertical Axis Wind Turbines, *Energies*, 2024, vol. 17, nr 19, s.1-20. DOI:10.3390/en17194847

Cao Wanke, Liu Chao, Liu Zhiyin [i in.]: Integrated LKA and DYC control of Four-Wheel-Independent-Drive Electric Vehicles with A Central-Zonal Electronic and Electrical Architecture, *IEEE Transactions on Vehicular Technology*, 2024, vol. 73, nr 10, s.14592-14603. DOI:10.1109/TVT.2024.3398297

Carreno Henriquez Alvaro, Malinowski Mariusz, Perez Marcelo A. [i in.]: Circulating Active Power Flow Analysis in a Hybrid Transformer With the Series Converter Connected to the Primary Side, *IEEE Transactions on Industrial Electronics*, 2024, vol. 71, nr 10, s.11775-11784. DOI:10.1109/tie.2023.3347856

Carreno Henriquez Alvaro, Malinowski Mariusz, Perez Marcelo A. [i in.]: Effects of Grid Voltage and Load Unbalances on the Efficiency of a Hybrid Distribution Transformer, *IEEE Open Journal of the Industrial Electronics Society*, 2024, vol. 5, s.1206-1220. DOI:10.1109/ojies.2024.3486353

Carreno Henriquez Alvaro, Perez Marcelo, Malinowski Mariusz : State-Feedback Control of a Hybrid Distribution Transformer for Power Quality Improvement of a Distribution Grid, *IEEE Transactions on Industrial Electronics*, 2024, vol. 71, nr 2, s. 1147-1157. DOI:10.1109/tie.2023.3262872

Caviglione Luca, Mazurczyk Wojciech : You Can't Do That On Protocols Anymore: Analysis of Covert Channels in IETF Standards, *IEEE Network*, 2024, vol. 38, nr 5, s.255-263. DOI:10.1109/MNET.2024.3352411

Chaber Bartosz, Łodyga Wiktor, Starzyński Jacek : A Computer Model of a Marx Generator Charging a Coaxial Switched Wave Oscillator, *Energies*, 2024, vol. 17, nr 18, s.1-12, Numer artykułu:4644. DOI:10.3390/en17184644  
Chaber Patryk, Domański Paweł, Marusak Piotr [i in.]: On the simplification of the internal nonlinear robot models for the MPC-based visual servoing, *Nonlinear Dynamics*, 2024, vol. 112, nr 15, s.13047-13071. DOI:10.1007/s11071-024-09714-5

Chamier-Gliszczyński Norbert, Wyszomirski Adam, Balewski Cezary [i in.]: Green Public Transport in Poland— Planning the Process of the Electrification of the Bus Fleet of Vehicles, *Energies*, 2024, vol. 17, nr 24, s.1-21, Numer artykułu:6362. DOI:10.3390/en17246362

Chetverikov Boris, Hlotov Volodymyr, Bakuła Krzysztof : Development of a Software Module for Studying Historical and Cultural Heritage Objects Using Non-Invasive Research Data, *Heritage*, 2024, vol. 7, nr 8, s.4131-4148. DOI:10.3390/heritage7080194

Chetverikov Borys, Babiy Luybov, Oryński Szymon [i in.]: Methods for Designating Protective Zones of Historical and Cultural Purpose Using Non-Invasive Methods—Two Case Studies for Ukraine and Poland, *Remote Sensing*, 2024, nr 16(13), s.1-20, Numer artykułu:2330. DOI:10.3390/rs16132330

Chmielewski Andrzej, Sudlitz Marcin, Żubrowska-Sudoł Monika : Advanced Technology for Energy, Plant Nutrients and Water Recovery at Wastewater Treatment Plants, *Energies*, 2024, vol. 17, nr 11, s.1-25, Numer artykułu:2749. DOI:10.3390/en17112749

Chrószcz-Porębska Marta, Gadomska-Gajadur Agnieszka : Cysteine Conjugation: An Approach to Obtain Polymers with Enhanced Muco- and Tissue Adhesion, *International Journal of Molecular Sciences*, 2024, vol. 25, nr 22, s.1-25, Numer artykułu:12177. DOI:10.3390/ijms252212177

Chudnovsky Maria, Rose McCarty, Pilipczuk Michał [i in.]: Sparse induced subgraphs in  $P_6$ -free graphs, W: *Proceedings of ACM-SIAM Symposium on Discrete Algorithms (SODA24) / Woodruff David P. (red.)*, 2024, Society for Industrial and Applied Mathematics, s.5291 - 5299, ISBN 978-1-61197-791-2. DOI:10.1137/1.9781611977912.190

Chudzikiewicz Andrzej, Góra Ignacy, Juraj Gerlici [i in.]: Model of Electric Locomotive Simulator Cabin Excitations, *Energies*, 2024, vol. 17, nr 12, s. 1-18. DOI:10.3390/en17122999

Cinkusz Konrad, Chudziak Jarosław : Towards LLM-augmented multiagent systems for agile software engineering, W: *ASE '24: Proceedings of the 39th IEEE/ACM International Conference on Automated Software Engineering / Filkov Vladimir, Ray Baishakhi, Zhou Minghui (red.)*, 2024, Association for Computing Machinery, s.2476-2477, ISBN 979-8-4007-1248-7. DOI:10.1145/3691620.3695336

Cuper Jerzy, Salski Bartłomiej Waclaw, Kopyt Paweł : Conductivity measurements in the 10–40 GHz band using Fabry–Pérot open resonator, *Measurement*, 2024, vol. 226, s.114198. DOI:10.1016/j.measurement.2024.114198  
Cygańska Małgorzata, Kludacz-Alessandri Magdalena : Energy Consumption Trends and Determinants in Polish Hospitals: Implications for Energy Efficiency Strategies, *Sustainability*, 2024, vol. 21, nr 16. DOI:10.3390/su16219153

Czarnecki Przemysław, Szudziel Bartosz, Janczak Daniel [i in.]: Textile-Integrated Conductive Layers for Flexible Semiconductor-Based Photovoltaic Structures, *Energies*, 2024, vol. 17, nr 15, s.1-19, Numer artykułu:3839. DOI:10.3390/en17153839

Czelej Kamil, Lambert M. Rey, Turiansky Mark E. [i in.]: Transition-Metal-Related Quantum Emitters in Wurtzite AlN and GaN, *ACS Nano*, 2024, vol. 18, nr 42, s.28724-28734. DOI:10.1021/acsnano.4c07184

Czelej Kamil, Mansoor Mubashir, Sarsil Mehmet Ali [i in.]: Atomistic Origins of Various Luminescent Centers and n-Type Conductivity in GaN: Exploring the Point Defects Induced by Cr, Mn, and O through an Ab Initio Thermodynamic Approach, *Chemistry of Materials*, 2024, vol. 36, nr 13, s.6392-6409. DOI:10.1021/acs.chemmater.4c00178

- Davachi Seyed Mohammad, Vazquez Marisol, Soleimani Maryam [i in.]: Effectiveness of the injectable hyaluronic acid-based microparticles loaded with cannabidiol on rat sciatic nerve injury model, *International Journal of Biological Macromolecules*, 2024, vol. 283, s.1-16, Numer artykułu:137780. DOI:10.1016/j.ijbiomac.2024.137780
- Del Villar Ignacio, Gonzalez-Valencia Esteban, Kwietniewski Norbert [i in.]: Nano-Photonic Crystal D-Shaped Fiber Devices for Label-Free Biosensing at the Attomolar Limit of Detection, *Advanced Science*, 2024, s.1-14, Numer artykułu:2310118. DOI:10.1002/adv.202310118
- Dembińska Anna, Davies Katherine : On the Residual Lifetimes of Dependent Components Upon System Failure, *Reliability Engineering & System Safety*, 2024, vol. 248, s.1-16, Numer artykułu:110147. DOI:10.1016/j.ress.2024.110147
- Dias-Domingues Tiago, Mouriño Helena, Henriques dos Santos de Sepúlveda Nuno : Classification Methods for the Serological Status Based on Mixtures of Skew-Normal and Skew-t Distributions, *Mathematics*, 2024, vol. 12, nr 2, s.1-25, Numer artykułu:217. DOI:10.3390/math12020217
- Ding X., Liu X., Qiu Tao [i in.]: Modulation of macrophage polarity with carboxymethyl chitin gated hollow mesoporous silica nanoparticles for elevating anti-tumor chemotherapy, *International Journal of Biological Macromolecules*, 2024, s.129761. DOI:10.1016/j.ijbiomac.2024.129761
- Dobkowska Anna, Lofaj František, Gonzalez Garcia Marlene Aydee [i in.]: Structural, mechanical, corrosion, and early biological assessment of tantalum nitride coatings deposited by reactive HiTUS, *Surface and Coatings Technology*, 2024, vol. 493, s.1-14, Numer artykułu:131267. DOI:10.1016/j.surfcoat.2024.131267
- Dobkowska Anna, Zielińska Aleksandra, Paulin Irena [i in.]: Microstructural, corrosion and mechanical properties of a WE43 alloy: conventional extrusion versus SPD, *Journal of Alloys and Compounds*, 2024, vol. 976, s.1-12, Numer artykułu:173090. DOI:10.1016/j.jallcom.2023.173090
- Domański Paweł : Energy-Aware Multicriteria Control Performance Assessment, *Energies*, 2024, vol. 17, nr 5, s.1-18, Numer artykułu:1173. DOI:10.3390/en17051173
- Dranka Maciej, Fabiański Michał, Zalewska Aldona [i in.]: A new concept of ternary aqueous electrolytes based on lithium 4,5-dicyanoimidazolate hydrates, *Energy Storage Materials*, 2024, vol. 70, s.1-9, Numer artykułu:103521. DOI:10.1016/j.ensm.2024.103521
- Drozd Marcin, Ivanova Polina, Żukowski Kamil [i in.]: Printer toner-assisted immobilization of antibodies on PET for genuinely-2D, flexible ELISA spot arrays, *Sensors and Actuators B - Chemical*, 2024, vol. 403, s.1-11, Numer artykułu:135173. DOI:10.1016/j.snb.2023.135173
- Du Haowei, Dardas Zain, Jolly Angad [i in.]: HMZDupFinder: a robust computational approach for detecting intragenic homozygous duplications from exome sequencing data, *Nucleic Acids Research*, 2024, vol. 52, nr 4, s.1-13, Numer artykułu:e18. DOI:10.1093/nar/gkad1223
- Dubiński Jan, Pawlak Stanisław, Boenisch Franziska [i in.]: Bucks for Buckets (B4B): Active Defenses Against Stealing Encoders, W: *Advances in Neural Information Processing Systems 36. 37th Conference on Neural Information Processing Systems (NeurIPS 2023)* / Oh A. [i in.] (red.), 2024, 57 Morehouse Lane Red Hook NY United States, Curran Associates, Inc., s.55237-55259, Numer artykułu:2411, ISBN 9781713899921
- Dudziak Agnieszka, Małek Arkadiusz, Marciniak Andrzej [i in.]: Probabilistic Analysis of Green Hydrogen Production from a Mix of Solar and Wind Energy, *Energies*, 2024, vol. 17, nr 17, s.1-22, Numer artykułu:4387. DOI:10.3390/en17174387
- Duer Stanisław, Woźniak Marek, Paś Jacek [i in.]: Infrastructure Diagnosed by Solar Power Supply in an Intelligent Diagnostic System in Five-Valued Logic, *Energies*, 2024, vol. 17, nr 10, s.2408. DOI:10.3390/en17102408
- Dybiński Olaf, Milewski Jarosław, Szczeńiak Arkadiusz [i in.]: Experimental investigation of porous anode degradation of a molten carbonate fuel cell fed with direct fermentation product composed of bioethanol, *International Journal of Hydrogen Energy*, 2024, nr 52, s.889-901. DOI:10.1016/j.ijhydene.2023.04.065
- Dyjak Sławomir, Wyrębska Iwona, Błachowski A. [i in.]: The role of heteroatoms in iron-assisted graphitization of hard carbons derived from synthetic polymers: The special case of sulfur-doping, *Carbon*, 2024, vol. 218, s.1-17, Numer artykułu:118717. DOI:10.1016/j.carbon.2023.118717
- Dzido Aleksandra, Walczak Justyna, Jankowska Honorata [i in.]: Hydrodynamic disintegration effects assessment by CFD modelling integrated with bench tests, *Journal of Environmental Management*, 2024, vol. 367, s.1-10, Numer artykułu:121948. DOI:10.1016/j.jenvman.2024.121948

Emerla Maria, Bazarnik Piotr, Huang Yi [i in.]: The influence of graphene oxide on the microstructure and properties of ultrafine-grained copper processed by high-pressure torsion, *Journal of Alloys and Compounds*, 2024, vol. 1005, s.1-12, Numer artykułu:176208. DOI:10.1016/j.jallcom.2024.176208

Euldji Imane, Benmouloud Widad, Padaszyński Kamil [i in.]: Hybrid Improved Grey Wolf Support Vector Regression Algorithm for Modeling Solubilities of APIs in Pure Ionic Liquids:  $\sigma$ -Profile Descriptors, *Journal of Chemical Information and Modeling*, 2024, vol. 64, nr 4, s.1361-1376. DOI:10.1021/acs.jcim.3c01876

Filip Artur : "Power to" for High Street Sustainable Development: Emerging Efforts in Warsaw, Poland, *Sustainability*, 2024, vol. 16, nr 4, s.1-16. DOI:10.3390/su16041577

Firek Piotr, Czerwosz Elżbieta, Wronka Halina [i in.]: The Preparation and Properties of a Hydrogen-Sensing Field-Effect Transistor with a Gate of Nanocomposite C-Pd Film, *Energies*, 2024, vol. 17, nr 13, s.1-12, Numer artykułu:3261. DOI:10.3390/en17133261

Fonseca André, Spytek Mikołaj, Biecek Przemysław [i in.]: Antibody selection strategies and their impact in predicting clinical malaria based on multi-sera data, *BioData Mining*, 2024, vol. 17, s.1-23, Numer artykułu:2. DOI:10.1186/s13040-024-00354-4

Fornal Michał, Krawczyńska Agnieszka, Belcarz Anna : Comparison of the Impact of NaIO<sub>4</sub>-Accelerated, Cu<sup>2+</sup>/H<sub>2</sub>O<sub>2</sub>-Accelerated, and Novel Ion-Accelerated Methods of Poly(l-DOPA) Coating on Collagen-Sealed Vascular Prostheses: Strengths and Weaknesses, *ACS Applied Materials & Interfaces*, 2024, vol. 16, nr 31, s.40515-40530. DOI:10.1021/acsami.4c05979

Frojdental Sonia, Żuchowska Agnieszka : Advanced Liver-on-a-Chip Model for Evaluating Drug Metabolism and Hepatotoxicity, *Biosensors*, 2024, vol. 14, nr 9, s.1-17, Numer artykułu:435. DOI:10.3390/bios14090435

Fryc Irena, Listowski Maciej, Fan Jiajie [i in.]: Energy-Efficient and Smart Bicycle Lamps: A Comprehensive Review, *Energies*, 2024, vol. 17(22), nr 5335, s.1-22. DOI:10.3390/en17215335

Fryc Irena, Listowski Maciej, Martinsons Christophe [i in.]: A Paradox of LED Road Lighting: Reducing Light Pollution Is Not Always Linked to Energy Savings, *Energies*, 2024, vol. 17(22), nr 5727, s.1-13. DOI:10.3390/en17225727

Gartland Peter, Lokshtanov Daniel, Masařík Tomáš [i in.]: Maximum Weight Independent Set in Graphs with no Long Claws in Quasi-Polynomial Time, W: *Proceedings of the 56th Annual ACM Symposium on Theory of Computing / Mohar Bojan, Shinkar Igor, O'Donnell Ryan (red.)*, 2024, Nowy Jork, USA, Association for Computing Machinery, s.683 - 691, ISBN 979-8-4007-0383-6. DOI:10.1145/3618260.3649791

Gavkalova Nataliia, Gładysz Bartłomiej, Quadrini Walter [i in.]: Digital Innovation Hubs and portfolio of their services across European economies, *Oeconomia Copernicana*, 2024, vol. 15, nr 1, s.59-94. DOI:10.24136/oc.2757

Gągolewski Marek, James Simon, Beliakov Gleb [i in.]: Random generation of linearly constrained fuzzy measures and domain coverage performance evaluation, *Information Sciences*, 2024, vol. 659, s.1-14, Numer artykułu:120080. DOI:10.1016/j.ins.2023.120080

Gąsior Jakub, Gąsienica-Józkowy Maciej, Młyńczak Marcel [i in.]: Heart rate dynamics and asymmetry during sympathetic activity stimulation and post-stimulation recovery in ski mountaineers—a pilot exploratory study, *Frontiers in Sports and Active Living*, 2024, vol. 6, s.1-12. DOI:10.3389/fspor.2024.1336034

Ge Weimin, Li Jinjun, Wang Xiaofeng [i in.]: Robust two-dimensional PCANet with F-norm distance metric, *Knowledge-Based Systems*, 2024, vol. 295, Numer artykułu:111777. DOI:10.1016/j.knosys.2024.111777

Gieras Marian, Trzeciak Adrian : New Aspects of the Pulse Combustion Process, *Energies*, 2024, vol. 17, nr 6, s.1-19, Numer artykułu:1427. DOI:10.3390/en17061427

Gierczyński Michał, Jakubowski Rafał, Kupiec Emil [i in.]: Identification of the Parameters of the Highly Saturated Permanent Magnet Synchronous Motor (PMSM): Selected Problems of Accuracy, *Energies*, 2024, vol. 17, nr 23, s.1-28, Numer artykułu:6096. DOI:10.3390/en17236096

Gierczyński Michał, Jakubowski Rafał, Kupiec Emil [i in.]: Modeling of the Fourth-Generation Toyota Prius Traction Machine as the Reference for Future Designs, *Energies*, 2024, vol. 17, nr 19, s.1-23, Numer artykułu:4796. DOI:10.3390/en17194796

Giza Małgorzata, Świniarski Michał, Gertych Arkadiusz P. [i in.]: Contact Resistance Engineering in WS<sub>2</sub>-Based FET with MoS<sub>2</sub> Under-Contact Interlayer: A Statistical Approach, *ACS Applied Materials & Interfaces*, 2024, vol. 16, nr 36, s.48556-48564. DOI:10.1021/acsami.4c09688

Glöggler L. T., Graczykowski Łukasz, Janik Małgorzata [i in.], AEGIS Collaboration: Positronium Laser Cooling via the 13S-23P Transition with a Broadband Laser Pulse, *Physical Review Letters*, 2024, vol. 132, nr 8, s.1-7, Numer artykułu:083402. DOI:10.1103/physrevlett.132.083402

Głowacki Maciej J., Niedziałkowski Paweł, Ryl Jacek [i in.]: Enhancing colloidal stability of nanodiamond via surface modification with dendritic molecules for optical sensing in physiological environments, *Journal of Colloid and Interface Science*, 2024, vol. 675, nr December, s.236-250. DOI:10.1016/j.jcis.2024.06.225

Gomez del Hoyo Pedro, Samczyński Piotr Jerzy : Starlink-based passive radar for Earth's surface imaging: first experimental results, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 2024, vol. 18, nr 9, s.1-18. DOI:10.1109/JSTARS.2024.3437179

Gong Xiaoling, Wang Jian, Ren Qilin [i in.]: Embedded feature selection approach based on TSK fuzzy system with sparse rule base for high-dimensional classification problems, *Knowledge-Based Systems*, 2024, vol. 295, s.1-13, Numer artykułu:111809. DOI:10.1016/j.knosys.2024.111809

Górka Anna, Czerepicki Andrzej, Krukowicz Tomasz : The Impact of Priority in Coordinated Traffic Lights on Tram Energy Consumption, *Energies*, 2024, nr 17, s.1-24, Numer artykułu:520. DOI:10.3390/en17020520

Grabda Mariusz, Michiaki Matsumoto, Yoshiro Tahara [i in.]: A stable, non-emulsifying, regenerable ionic liquid-based extraction system for safe removal of perfluorooctanoic acid from water, *Journal of Environmental Chemical Engineering*, 2024, vol. 12, nr 2, s.1-12, Numer artykułu:112320. DOI:10.1016/j.jece.2024.112320

Grabowski Paweł, Szwarzczyńska Angelika : Non-Normative Oxidation Stability Indication of FAME Produced from Rapeseed and Used Cooking Oil, *Energies*, 2024, nr 17, s.4210. DOI:10.3390/en17174210

Grau Isel, Nápoles Gonzalo, Bello Marilyn [i in.]: Forward Composition Propagation for Explainable Neural Reasoning, *IEEE Computational Intelligence Magazine*, 2024, vol. 19, nr 1, s.26-35. DOI:10.1109/mci.2023.3327834

Greif Hans Joachim, Kubiak Adam, Stacewicz Paweł : Selection, growth and form. Turing's two biological paths towards intelligent machinery, *Studies in History and Philosophy of Science*, 2024, nr 106, s.126-135. DOI:10.1016/j.shpsa.2024.05.017

Greser Jarosław : Cybersecurity Framework for Synthetic Data in Training Medical AI, *European Journal of Risk Regulation*, 2024, vol. 15, nr 4, s.903-911. DOI:10.1017/err.2024.74

Gryszpanowicz Piotr, Sobik-Szołtysek Jolanta, Grabowski Paweł [i in.]: Chemical modifications of old natural stone pavements surface for safety reuse – Risk mitigation, *Construction and Building Materials*, 2024, vol. 411, s.1-17. DOI:10.1016/j.conbuildmat.2023.134300

Grzeszczyk Tadeusz A. : Artificial Intelligence and Project Management. An Integrated Approach to Knowledge-Based Evaluation, 2024, Routledge, 88 s., ISBN 9781032377261

Guzek Marek, Jackowski J., Jurecki R.S. [i in.]: Electric Vehicles—An Overview of Current Issues—Part 2—Infrastructure and Road Safety, *Energies*, 2024, vol. 17, nr 2, s.1-29, Numer artykułu:495. DOI:10.3390/en17020495

Guzek Marek, Jackowski Jerzy, Jurecki Rafał S. [i in.]: Electric Vehicles—An Overview of Current Issues—Part 1—Environmental Impact, Source of Energy, Recycling, and Second Life of Battery, *Energies*, 2024, vol. 17, nr 1, s.1-25, Numer artykułu:249. DOI:10.3390/en17010249

Harasimczuk Michał, Kopacz Rafał, Miśkiewicz Rafał [i in.]: Common-leg Coupled Inductor Configuration in a Three-level Interleaved DC-DC Medium Voltage SiC-based Converter, *IEEE Transactions on Power Electronics*, 2024, vol. 39, nr 8, s.9694-9704. DOI:10.1109/tpel.2024.3396293

Hassani Amirhossein, Nicińska Anna, Drabicki Arkadiusz [i in.]: Air quality and transport behaviour: sensors, field, and survey data from Warsaw, Poland, *Scientific Data*, 2024, vol. 11, s.1-23, Numer artykułu:1305. DOI:10.1038/s41597-024-04111-4

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Combination of Measurements of the Top Quark Mass from Data Collected by the ATLAS and CMS Experiments at  $\sqrt{s}=7$  and 8 TeV, *Physical Review Letters*, 2024, vol. 132, s.1-37, Numer artykułu:261902. DOI:10.1103/PhysRevLett.132.261902

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Combined search for electroweak production of winos, binos, higgsinos, and sleptons in proton-proton collisions at  $\sqrt{s}=13$  TeV, *Physical Review D*, 2024, vol. 109, s.1-37, Numer artykułu:112001. DOI:10.1103/PhysRevD.109.112001

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Constraints on anomalous Higgs boson couplings from its production and decay using the WW channel in proton-proton collisions at  $\sqrt{s}=13$  TeV, *European Physical Journal C*, 2024, vol. 84, s.1-42, Numer artykułu:779. DOI:10.1140/epjc/s10052-024-12925-0

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Inclusive and differential cross section measurements of  $t\bar{t}b\bar{b}$  production in the lepton+jets channel at  $\sqrt{s} = 13$  TeV, Journal of High Energy Physics, 2024, vol. 2024, nr 5, s.1-86. DOI:10.1007/JHEP05(2024)042

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Measurement of Energy Correlators inside Jets and Determination of the Strong Coupling  $\alpha_S(m_Z)$ , Physical Review Letters, 2024, vol. 133, nr 7, s.1-20, Numer artykułu:071903. DOI:10.1103/PhysRevLett.133.071903

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Measurement of the primary Lund jet plane density in proton-proton collisions at  $\sqrt{s} = 13$  TeV, Journal of High Energy Physics, 2024, vol. 2024, nr 5, s.1-61, Numer artykułu:116. DOI:10.1007/JHEP05(2024)116

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Model-independent search for pair production of new bosons decaying into muons in proton-proton collisions  $\sqrt{s} = 13$  TeV, Journal of High Energy Physics, 2024, vol. 2024, s.1-49, Numer artykułu:172. DOI:10.1007/JHEP12(2024)172

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Nonresonant central exclusive production of charged-hadron pairs in proton-proton collisions at  $\sqrt{s}=13$  TeV, Physical Review D, 2024, vol. 109, nr 11, s.1-43. DOI:10.1103/PhysRevD.109.112013

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Observation of the  $J/\psi \rightarrow \mu^+ \mu^- \mu^+ \mu^-$  decay in proton-proton collisions at  $\sqrt{s} = 13$  TeV, Physical Review D, 2024, vol. 109, nr 11, s.1-17. DOI:10.1103/PhysRevD.109.L111101

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Observation of the  $\Xi^- \rightarrow b\bar{c} + \mu^- + \mu^-$  decay and studies of the  $\Xi_b^-(5945)0$  baryon in proton-proton collisions at  $\sqrt{s}=13$  TeV, Physical Review D, 2024, vol. 110, s.1-27, Numer artykułu:012002. DOI:10.1103/PhysRevD.110.012002

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Observation of  $WW\gamma$  Production and Search for  $H\gamma$  Production in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV, Physical Review Letters, 2024, vol. 132, s.1-20, Numer artykułu:121901 . DOI:10.1103/PhysRevLett.132.121901

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for an exotic decay of the Higgs boson into a Z boson and a pseudoscalar particle in proton-proton collisions at  $\sqrt{s} = 13$ TeV, Physics Letters B, 2024, vol. 852, s.1-27. DOI:10.1016/j.physletb.2024.138582

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for Baryon Number Violation in Top Quark Production and Decay Using Proton-Proton Collisions at  $\sqrt{s}=13$  TeV, Physical Review Letters, 2024, vol. 132, nr 24, s.1-19, Numer artykułu:241802. DOI:10.1103/PhysRevLett.132.241802

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for dark matter particles in  $W+W^-$  events with transverse momentum imbalance in proton-proton collisions at  $\sqrt{s} = 13$  TeV, Journal of High Energy Physics, 2024, vol. 2024, nr 3, s.1-45, Numer artykułu:134. DOI:10.1007/JHEP03(2024)134

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS collaboration: Search for exotic decays of the Higgs boson to a pair of pseudoscalars in the  $\mu\mu b\bar{b}$  and  $\tau\tau b\bar{b}$  final states, European Physical Journal C, 2024, vol. 84, s.1-38. DOI:10.1140/epjc/s10052-024-12727-4

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for Higgs boson pair production in the  $b\bar{b}W+W^-$  decay mode in proton-proton collisions at  $\sqrt{s} = 13$  TeV, Journal of High Energy Physics, 2024, vol. 2024, nr 7, s.1-57, Numer artykułu:293. DOI:10.1007/JHEP07(2024)293

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for long-lived heavy neutral leptons with lepton flavour conserving or violating decays to a jet and a charged lepton, Journal of High Energy Physics, 2024, vol. 2024, nr 3, s.1-49, Numer artykułu:105. DOI:10.1007/JHEP03(2024)105

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for long-lived particles decaying to final states with a pair of muons in proton-proton collisions at  $\sqrt{s} = 13.6$  TeV, Journal of High Energy Physics, 2024, vol. 2024, s.1-52. DOI:10.1007/JHEP05(2024)047

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for long-lived particles using displaced vertices and missing transverse momentum in proton-proton collisions at  $\sqrt{s}=13$  TeV, Physical Review D, 2024, vol. 109, s.1-28, Numer artykułu:112005. DOI:10.1103/PhysRevD.109.112005

Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for new Higgs bosons via same-sign top quark pair production in association with a jet in proton-proton collisions at  $\sqrt{s} = 13$  TeV, Physics Letters B, 2024, s.1-29. DOI:10.1016/j.physletb.2024.138478

- Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for new physics in high-mass diphoton events from proton-proton collisions at  $\sqrt{s} = 13$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, nr 8, s.1-42, Numer artykułu:215. DOI:10.1007/JHEP08(2024)215
- Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for pair production of scalar and vector leptoquarks decaying to muons and bottom quarks in proton-proton collisions at  $\sqrt{s}=13$  TeV, *Physical Review D*, 2024, vol. 109, s.1-25, Numer artykułu:112003. DOI:10.1103/PhysRevD.109.112003
- Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for stealth supersymmetry in final states with two photons, jets, and low missing transverse momentum in proton-proton collisions at  $\sqrt{s}=13$  TeV, *Physical Review D*, 2024, vol. 109, nr 11, s.1-23. DOI:10.1103/PhysRevD.109.112009
- Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for the decay of the Higgs boson to a pair of light pseudoscalar bosons in the final state with four bottom quarks in proton-proton collisions at  $\sqrt{s} = 13$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, s.1-44. DOI:10.1007/JHEP06(2024)097
- Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for the lepton flavor violating  $\tau \rightarrow 3\mu$  decay in proton-proton collisions at  $\sqrt{s} = 13$  TeV, *Physics Letters B*, 2024, vol. 853, s.1-28. DOI:10.1016/j.physletb.2024.138633
- Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for  $W'$  bosons decaying to a top and a bottom quark in leptonic final states in proton-proton collisions at  $\sqrt{s} = 13$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, nr 5, s.1-51, Numer artykułu:46. DOI:10.1007/JHEP05(2024)046
- Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Search for ZZ and ZH production in the  $b\bar{b}b\bar{b}$  final state using proton-proton collisions at  $\sqrt{s} = 13$  TeV, *European Physical Journal C*, 2024, vol. 84, s.1-33, Numer artykułu:712. DOI:10.1140/epjc/s10052-024-13021-z
- Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Searches for violation of Lorentz invariance in top quark pair production using dilepton events in 13 TeV proton-proton collisions, *Physics Letters B*, 2024, vol. 857, s.1-28, Numer artykułu:138979. DOI:10.1016/j.physletb.2024.138979
- Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech , The CMS Collaboration: Test of lepton flavor universality in  $B_{\pm} \rightarrow K_{\pm}\mu^{+}\mu^{-}$  and  $B_{\pm} \rightarrow K_{\pm}e^{+}e^{-}$  decays in proton-proton collisions at  $\sqrt{s} = 13$  TeV, *Reports on Progress in Physics*, 2024, vol. 87, nr 7, s.1-37, Numer artykułu:077802 . DOI:10.1088/1361-6633/ad4e65
- Hayrapetyan A., Poźniak Krzysztof, Zabołotny Wojciech [i in.], The CMS Collaboration: Measurements of polarization and spin correlation and observation of entanglement in top quark pairs using lepton + jets events from proton-proton collisions at  $\sqrt{s} = 13$  TeV, *Physical Review D*, 2024, vol. 110, s.1-49. DOI:10.1103/PhysRevD.110.112016
- He Xin, Zielińska Teresa, Dutta Vibekananda [i in.]: From Seeing to Recognising – an Extended Self-Organizing Map for Human Postures Identification, *IEEE Robotics and Automation Letters*, 2024, vol. 9, nr 9, s.7899 - 7906. DOI:10.1109/LRA.2024.3433201
- Herman Andrzej P., Tomczyk Monika, Wójcik Maciej [i in.]: Effect of Caffeine on the Inflammatory-Dependent Changes in the GnRH/LH Secretion in a Female Sheep Model, *International Journal of Molecular Sciences*, 2024, vol. 25, nr 5, s.1-15, Numer artykułu:2663. DOI:10.3390/ijms25052663
- Herman Anna, Matulewicz Olga, Korzeniowska Eliza [i in.]: Determination of Post-Fermentation Waste from Fermented Vegetables as Potential Substitutes for Preservatives in o/w Emulsion, *International Journal of Molecular Sciences*, 2024, vol. 25, nr 10, s.1-17, Numer artykułu:5510. DOI:10.3390/ijms25105510
- Herman Anna, Wińska Patrycja, Białek Małgorzata [i in.]: Biological Properties of the Mucus and Eggs of *Helix aspersa* Müller as a Potential Cosmetic and Pharmaceutical Raw Material: A Preliminary Study, *International Journal of Molecular Sciences*, 2024, vol. 25, nr 18, s.1-18, Numer artykułu:9958. DOI:10.3390/ijms25189958
- Hołyst Janusz, Philipp Mayr, Michael Thelwall [i in.]: Protect our environment from information overload, *Nature Human Behaviour*, 2024, vol. 8, s.402-403. DOI:10.1038/s41562-024-01833-8
- Homenda Władysław\*, Jastrzębska Agnieszka, Pedrycz Witold [i in.]: Time series classification with their image representation, *Neurocomputing*, 2024, vol. 573, s.1—15, Numer artykułu:127214. DOI:10.1016/j.neucom.2023.127214
- Homenda Władysław, Ouyang Chenxi, Yang Fei [i in.]: Constructing Spatial Relationship and Temporal Relationship Oriented Composite Fuzzy Cognitive Maps for Multivariate Time Series Forecasting, *IEEE Transactions on Fuzzy Systems*, 2024, vol. 32, nr 8, s.4338 - 4351. DOI:10.1109/TFUZZ.2024.3395833

- Hossein Maleki-Ghaleh, Kamiński Bartosz, Moradpur-Tari Ehsan [i in.]: Visible Light-Sensitive Sustainable Quantum Dot Crystals of Co/Mg Doped Natural Hydroxyapatite Possessing Antimicrobial Activity and Biocompatibility, *Small*, 2024, vol. 20, nr 52, s.1-15. DOI:10.1002/smll.202405708
- Hrinchenko Hanna, Prokopenko Olha, Shmygol Nadiia [i in.]: Sustainable Energy Safety Management Utilizing an Industry-Relative Assessment of Enterprise Equipment Technical Condition, *Sustainability*, 2024, vol. 16, nr 2, s.1-17. DOI:10.3390/su16020771
- Idaszek Joanna, Wysocki Bartłomiej, Ura-Bińczyk Ewa [i in.]: Graded or random – Effect of pore distribution in 3D titanium scaffolds on corrosion performance and response of hMSCs, *Biomaterials Advances*, 2024, vol. 163, s.1-14, Numer artykułu:213955. DOI:10.1016/j.bioadv.2024.213955
- Ivanenko Mikhail, Wanta Damian, Smolik Waldemar [i in.]: Generative-Adversarial-Network-Based Image Reconstruction for the Capacitively Coupled Electrical Impedance Tomography of Stroke, *Life*, 2024, vol. 14, nr 3, s.1-20. DOI:10.3390/life14030419
- Ivaškevičiūtė-Povilauskienė Rusnė, Grigelionis Ignas, Siemion Agnieszka [i in.]: Multifrequency Digital Terahertz Holography Within 1.39–4.25 THz Range, *IEEE Transactions on Terahertz Science and Technology*, 2024, vol. 14, nr 5, s.568-578. DOI:10.1109/tthz.2024.3410670
- Iwanowicz Damian, Krukowicz Tomasz, Chadała Justyna [i in.]: Evaluation of Selected Factors Affecting the Speed of Drivers at Signal-Controlled Intersections in Poland, *Sustainability*, 2024, vol. 16, nr 20, s.1-24, Numer artykułu:8862. DOI:10.3390/su16208862
- Izdebski Mariusz, Jacyna Marianna, Bogdański Jerzy : Minimisation of the Energy Expenditure of Electric Vehicles in Municipal Service Companies, Taking into Account the Uncertainty of Charging Point Operation, *Energies*, 2024, vol. 17, nr 9, s.1-21, Numer artykułu:2179. DOI:10.3390/en17092179
- Jacyna-Gołda Ilona, Shmygol Nadiia, Gavkalova Nataliia [i in.]: Sustainable Development of Intermodal Freight Transportation—Through the Integration of Logistics Flows in Ukraine and Poland, *Sustainability*, 2024, vol. 16 , nr 1, s.1-13, Numer artykułu:267. DOI:10.3390/su16010267
- Jagelčák Juraj, Kuba Ondrej, Kubáňová Jaroslava [i in.]: Dynamic Position Accuracy of Low-Cost Global Navigation Satellite System Sensors Applied in Road Transport for Precision and Measurement Reliability, *Sustainability*, 2024, vol. 16, nr 13. DOI:10.3390/su16135556
- Jagodzińska Idalia, Olszański Bartosz, Gumowski Konrad [i in.]: Experimental investigation of subsonic and transonic flows through a linear turbine cascade, *European Journal of Mechanics B-Fluids*, 2024, vol. 103, s.182-192. DOI:10.1016/j.euromechflu.2023.10.002
- Jakubczak Michał, Bury Dominika, Wojciechowska Anita [i in.]: The 2D Ti3C2T MXene-enabled self-cleaning and self-sterilizing lacquer coatings for offset printing, *Journal of Alloys and Compounds*, 2024, vol. 976, s.1-14, Numer artykułu:173318. DOI:10.1016/j.jallcom.2023.173318
- Janik Monika, Koba Marcin\*, Śmietana Mateusz Jakub : Optical fiber chemo and biosensors operating in the electrochemical domain – A review, *Trac-Trends in Analytical Chemistry*, 2024, vol. 178, s.1-11, Numer artykułu:117829. DOI:10.1016/j.trac.2024.117829
- Janowska Justyna, Gargas Justyna, Zajdel Karolina [i in.]: Oligodendrocyte progenitor cells' fate after neonatal asphyxia—Puzzling implications for the development of hypoxic–ischemic encephalopathy, *Brain Pathology*, 2024, s.1-23. DOI:10.1111/bpa.13255
- Jarczewska Marta Maria, Sokal Marta, Olszewski Marcin [i in.]: Studies on the Aptasensor Miniaturization for Electrochemical Detection of Lead Ions, *Biosensors*, 2024, vol. 14, nr 2, s.1-18, Numer artykułu:110. DOI:10.3390/bios14020110
- Jastrzębska Agnieszka, Gajewski Marek, Hryniewicz Olgierd [i in.]: Data-driven human and bot recognition from web activity logs based on hybrid learning techniques, *Digital Communications and Networks*, 2024, vol. 10, nr 4, s.1178-1188. DOI:10.1016/j.dcan.2023.01.020
- Jawańska Monika, Dąbrowa Juliusz, Bik M. [i in.]: Effect of Hf on high-temperature oxidation behavior of chromia-forming Al CoCrFeNi alloys, *Corrosion Science*, 2024, vol. 240, s.1-10, Numer artykułu:112455. DOI:10.1016/j.corsci.2024.112455
- Jez Radosław, Lazarczyk Michał, Ejma-Multanski Jakub [i in.]: Application of Electrical Protection on Subsea Electrically Trace Heated Pipe-in-Pipe Line, *Energies*, 2024, vol. 17, nr 3825, s.1-16. DOI:10.3390/en17153825

Jóźwik Renata : Architectural and Urban Changes in a Residential Environment—Implications for Design Science, Sustainability, 2024, vol. 16, nr 10, s.1-23. DOI:10.3390/su16103987

Kacprzak Małgorzata, Ellis Alexis, Fijałkowski Krzysztof [i in.]: Urban forest species selection for improvement of ecological benefits in Polish cities - The actual and forecast potential, Journal of Environmental Management, 2024, vol. 366, s.1-15, Numer artykułu:121732. DOI:10.1016/j.jenvman.2024.121732

Karolinczak Beata, Walczak Justyna, Bogacka Magdalena [i in.]: Life Cycle Assessment of sewage sludge mono-digestion and co-digestion with the organic fraction of municipal solid waste at a wastewater treatment plant, Science of the Total Environment, 2024, vol. 907, s.1-11, Numer artykułu:167801. DOI:10.1016/j.scitotenv.2023.167801

Kasak Miłosz, Deja Kamil, Karwowska Maja [i in.]: Machine-learning-based particle identification with missing data, European Physical Journal C, 2024, vol. 84, nr 7, s.1-11. DOI:10.1140/epjc/s10052-024-13047-3

Kasprzak Artur : Supramolecular chemistry of sumanene, Angewandte Chemie-International Edition, 2024, vol. 63, nr 15, s.1-12, Numer artykułu:e202318437. DOI:10.1002/anie.202318437

Kawulok Michał, Kowalczyk Paweł, Ziaja Maciej [i in.]: Hyperspectral Image Super-Resolution: Task-Based Evaluation, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, vol. 17, s.18949-18966. DOI:10.1109/jstars.2024.3475644

Kępnik Maja, Łukowski Paweł : Multicriteria Analysis of Cement Mortar with Recycled Sand, Sustainability, 2024, vol. 16, nr 5, s.1-13, Numer artykułu:1773. DOI:10.3390/su16051773

Khan Valeriya, Cygert Sebastian, Deja Kamil [i in.]: Looking through the past: better knowledge retention for generative replay in continual learning, IEEE Access, 2024, vol. 12, s.45309-45317. DOI:10.1109/access.2024.3379148

Khanmohammadi Mehdi, Volpi Marina, Walejewska Ewa [i in.]: Printing of 3D biomimetic structures for the study of bone metastasis: A review, Acta Biomaterialia, 2024, vol. 178, s.24-40. DOI:10.1016/j.actbio.2024.02.046

Kijeńska-Gawrońska Ewa, Zdzarta Jakub, Thabit Hani Shaker A.M. [i in.]: From PET bottle waste to enzyme support for removal of estrogens from wastewaters, Environmental Technology and Innovation, 2024, vol. 34, s.1-13, Numer artykułu:103555. DOI:10.1016/j.eti.2024.103555

Kikoła Daniel, Mallick Debasish, Pawłowska-Szymańska Diana [i in.], STAR Collaboration: Results on elastic cross sections in proton–proton collisions at  $\sqrt{s} = 510$  GeV with the STAR detector at RHIC, Physics Letters B, 2024, vol. 852, s.1-10, Numer artykułu:138601. DOI:10.1016/j.physletb.2024.138601

Kizilova Nataliya, Shankar Akash, Kjelstrup Signe : A Minimum Entropy Production Approach to Optimization of Tubular Chemical Reactors with Nature-Inspired Design, Energies, 2024, vol. 17, nr 2, s.1-23. DOI:10.3390/en17020432

Klotz Łukasz, Bukowski K., Gumowski Konrad : Influence of porous material on the flow behind a backward-facing step: experimental study, Journal of Fluid Mechanics, 2024, vol. 998, s.1-54. DOI:10.1017/jfm.2024.639

Kłodawski Michał, Jachimowski Roland, Chamier-Gliszczyński Norbert : Analysis of the Overhead Crane Energy Consumption Using Different Container Loading Strategies in Urban Logistics Hubs, Energies, 2024, vol. 17, nr 985, s.1-24. DOI:10.3390/en17050985

Kochański Andrzej, Kozłowski Jacek, Perzyk Marcin [i in.]: Data-driven advisory system for industrial manufacturing. Application to the aluminum extrusion process, Knowledge-Based Systems, 2024, vol. 294, s.111631. DOI:10.1016/j.knosys.2024.111631

Kołodziejek Dominik, Sierańska Urszula, Iwoń Zuzanna [i in.]: Cardiac tissue modeling using flow microsystems and nanofiber mats: Evaluating hypoxia-induced cellular and molecular changes, Sensors and Actuators B - Chemical, 2024, vol. 403, s.135169\_1-135169\_11, Numer artykułu:135169. DOI:10.1016/j.snb.2023.135169

Komorowski Paweł, Kurowska Marta, Kałuża Mateusz [i in.]: Neural network-based design of two-focal-spot terahertz diffractive optical elements, IEEE Transactions on Terahertz Science and Technology, 2024, vol. 14, nr 2, s.228-237. DOI:10.1109/TTHZ.2023.3344020

Koniak Marcin, Jaskowski Piotr, Tomczuk Krzysztof : Review of Economic, Technical and Environmental Aspects of Electric Vehicles, Sustainability, 2024, vol. 16, nr 12, s.1-21. DOI:10.3390/su16229849

Konopka Joanna, Żuchowska Agnieszka, Jastrzębska Elżbieta : Vascularized tumor-on-chip microplatforms for the studies of neovasculature as hope for more effective cancer treatments, Biosensors & Bioelectronics, 2024, vol. 249, s.1-14, Numer artykułu:115986. DOI:10.1016/j.bios.2023.115986

Kopyt Marcin, Piotrowski Paweł, Baczyński Dariusz : Short-Term Energy Generation Forecasts at a Wind Farm - A Multi-Variant Comparison of the Effectiveness and Performance of Various Gradient-Boosted Decision Tree Models, *Energies*, 2024, nr 6194, s.1-22, Numer artykułu:17(23). DOI:10.3390/en17236194

Kornowicz Arkadiusz, Pietrzak Tomasz, Korona Krzesimir [i in.]: A fresh impetus in the chemistry of calcium peroxides, *Journal of the American Chemical Society*, 2024, vol. 146, nr 28, s.18938–18947. DOI:10.1021/jacs.4c00906

Korobiichuk Igor, Kostyk Sergii, Shybetskyi Vladyslav [i in.]: Aerodynamic Drag Study of the Heat Exchange Equipment with Different Fin Geometries, *Applied System Innovation*, 2024, vol. 7, nr 5, s.1-17. DOI:10.3390/asi7010005

Korobiichuk Igor, Mel'nick Viktorij, Kosova Vera [i in.]: Study of Systems of Active Vibration Protection of Navigation Instrument Equipment, *Applied System Innovation*, 2024, vol. 7, nr 5, s.1-21, Numer artykułu:95. DOI:10.3390/asi7050095

Kosek Weronika, Chamier-Gliszczyński Norbert, Woźniak Waldemar [i in.]: The role of Polish local ports on the central Baltic coast in the development of offshore wind farms, *Energies*, 2024, vol. 17, nr 23, s.1-17, Numer artykułu:6123. DOI:10.3390/en17236123

Kossakowska Aleksandra, Szajda Emilia, Jędryka Natalia [i in.]: Development of Lasalocid A - Based amine-sensitive nanoparticles for "smart tongue" sensing of dietary supplements, *Sensors and Actuators B - Chemical*, 2024, vol. 407, s.1-12, Numer artykułu:135463. DOI:10.1016/j.snb.2024.135463

Kośnik Wioletta, Sikorska Hanna, Kiciak Adam [i in.]: Nanoparticle-Encapsulated Epirubicin Efficacy in the Inhibition of Growth of Orthotopic Ovarian Patient-Derived Xenograft in Immunocompromised Mice, *International Journal of Molecular Sciences*, 2024, vol. 25, nr 1, s.1-17, Numer artykułu:645. DOI:10.3390/ijms25010645

Kowalczyk Agata, Dziubak Damian, Kasprzak Artur [i in.]: Surface-Bioengineered Extracellular Vesicles Seeking Molecular Biotargets in Lung Cancer Cells, *ACS Applied Materials & Interfaces*, 2024, vol. 16, nr 25, s.31997-32016. DOI:10.1021/acsmi.4c04265

Kowalczyk Agnieszka, Sotniczuk Agata, Kuczyńska-Zemła Donata [i in.]: Tailoring the adhesion of electrophoretic chitosan/bioactive glass coatings by the combined surface pre-treatments of Ti substrates, *Surface and Coatings Technology*, 2024, vol. 481, s.1-10, Numer artykułu:130645. DOI:10.1016/j.surfcoat.2024.130645

Kowalewska Zofia : Strontium monofluoride – a new molecule to measure fluorine using high-resolution continuum source flame molecular absorption spectrometry and its application for gasoline analysis, *Fuel*, 2024, vol. 356, s.1-12, Numer artykułu:129501. DOI:10.1016/j.fuel.2023.129501

Kozakiewicz J., Dłużewski M., Rotnicka J. [i in.]: Coarse-Grained Ripples Investigated by the Opportunity Rover on Meridiani Planum, Mars, *JOURNAL OF GEOPHYSICAL RESEARCH-PLANETS*, 2024, vol. 129, nr 3, s.1-24. DOI:10.1029/2023JE008225

Kozdrowski Stanisław, Krysztofik Paweł, Sujecki Sławomir : Comparison of CD and CDC Technologies for Flex Grid DWDM Networks, *IEEE Access*, 2024, vol. 12, s.116026-116039. DOI:10.1109/access.2024.3444598

Kozik Rafał, Pawlicka Aleksandra, Pawlicki Marek [i in.]: A Meta-Analysis of State-of-the-Art Automated Fake News Detection Methods, *IEEE Transactions on Computational Social Systems*, 2024, vol. 11, nr 4, s.5219-5229. DOI:10.1109/tcss.2023.3296627

Kozłowski Sebastian, Korpas Przemysław, Wojtasiak Wojciech [i in.]: Model-Based PID Tuning Method for a Reactor for Microwave-Assisted Chemistry, *Energies*, 2024, vol. 17, nr 18, s.1-16, Numer artykułu:4657. DOI:10.3390/en17184657

Krupka Jerzy, Chen Xianqiang, Xu Xinwei [i in.]: Thermal characterization of ceramic pills at millimeter waves with a TE<sub>01δ</sub> cavity resonator, *Materials Research Bulletin*, 2024, vol. 177, Numer artykułu:112879. DOI:10.1016/j.materresbull.2024.112879

Krupka Jerzy, Pacewicz Adam, Kopyt Paweł [i in.]: Measurements of the complex permittivity of low loss ferrites at millimeter wave frequencies, *Materials Research Bulletin*, 2024, vol. 179, s.1-8, Numer artykułu:112994. DOI:10.1016/j.materresbull.2024.112994

Krzywda Roman, Gierycz Paweł, Makowski Łukasz [i in.]: Calculation of Crude Oil Processes Using Simplified Model Mixture, *Energies*, 2024, vol. 17, nr 23, s.1-16, Numer artykułu:6025. DOI:10.3390/en17236025

Kubiak Kamil : Design Thinking in Lighting Design to Meet User Needs, *Sustainability*, 2024, vol. 16, nr 9, s.3561. DOI:10.3390/su16093561

- Kubicka-Sowińska Anna, Misk Łukasz, Zachar Paulina [i in.]: Reconstructing the Urban Fabric of Nea Paphos by Comparison with Regularly Planned Mediterranean Cities, Using 3D Procedural Modeling and Spatial Analysis, *Bulletin of ASOR*, 2024, vol. 391, s.1-27. DOI:10.1086/730152
- Kubiński Wojciech, Ostrowski Jan Kazimierz, Fornalski Krzysztof : Shannon Entropy Analysis of a Nuclear Fuel Pin Under Deep Burnup, *Entropy*, 2024, vol. 26, nr 12, s.1-13, Numer artykułu:1124. DOI:10.3390/e26121124
- Kuczyńska-Zemła Donata, Rogalska Marta, Sotniczuk Agata [i in.]: A novel approach to enhance mechanical properties of Ti substrates for biomedical applications, *Journal of Alloys and Compounds*, 2024, vol. 970, s.1-10, Numer artykułu:172455. DOI:10.1016/j.jallcom.2023.172455
- Kukla Damian, Kozłowski Aleksander, Wójcik-Grząba Izabela : Ductility of the double-sided bolted steel end-plate joint with column web openings under column loss scenario, *Structures*, 2024, vol. 69, s.1-18, Numer artykułu:107264. DOI:10.1016/j.istruc.2024.107264
- Kukołowicz Rafał, Gerej Izabela, Kozacki Tomasz : Wide-angle digital holography with aliasing-free recording, *Photonics Research*, 2024, vol. 12, nr 5, s.1098-1106. DOI:10.1364/prj.512314
- Kullas Mateusz, Dębowski Maciej, Czaja Krystyna : Flame retardancy in isotactic polypropylene modified with crystalline coordination polymers based on calcium, zinc or aluminum dimethyl phosphates, *Polymer Degradation and Stability*, 2024, vol. 221, s.1-13, Numer artykułu:110675. DOI:10.1016/j.polymdegradstab.2024.110675
- Kuo Shih-hao, Chiu Huang-Jen, Chiang Che-Wei [i in.]: High Efficiency Dual-Active-Bridge Converter with Triple-Phase-Shift Control for Battery Charger of Electric Vehicles, *Energies*, 2024, vol. 17, nr 2, s.1-21, Numer artykułu:354. DOI:10.3390/en17020354
- Kurpaska Łukasz, Clozel M., O'Connell J.H. [i in.]: Nanoindentation responses of Fe–Cr alloys from room temperature to 600 °C, *Materials Science and Engineering A-Structural Materials Properties Microstructure And Processing*, 2024, vol. 902, s.1-13, Numer artykułu:146590. DOI:10.1016/j.msea.2024.146590
- Kwatek Konrad, Ślubowska-Walkusz Wioleta, Nowiński Jan [i in.]: Superior ionic conductivity of Zr–doped LiTa<sub>2</sub>PO<sub>8</sub> ceramics, *Acta Materialia*, 2024, vol. 276, s.120125. DOI:10.1016/j.actamat.2024.120125
- Kwiatkowska Emilia, Janusz Marcin, Piotrowski Marek [i in.]: The Social Awareness Index as a Tool to Determine the Role of a Companion Robot in the Lives of People with Reduced Mobility, *Sustainability*, 2024, vol. 16, nr 22, s.9744. DOI:10.3390/su16229744
- Landowska Alina, Budzyńska Katarzyna, Zhang He : Quantitative and Qualitative Analysis of Moral Foundations in Argumentation, *Argumentation*, 2024, vol. 38, nr 3, s.405-434. DOI:10.1007/s10503-024-09636-x
- Lasota Michał, Zabielska Aleksandra, Jacyna Marianna [i in.]: Method for Delivery Planning in Urban Areas with Environmental Aspects, *Sustainability*, 2024, vol. 16, nr 4, s.1-18, Numer artykułu:1571. DOI:10.3390/su16041571
- Lelicińska-Serafin Krystyna, Rolewicz-Kalińska Anna, Manczarski Piotr : Challenges in the Valorization of Green Waste in the Central European Region: Case Study of Warsaw, *Energies*, 2024, vol. 17, nr 20, s.1-22, Numer artykułu:5056. DOI:10.3390/en17205056
- Lemieszek Bartłomiej, Ilickas Mindaugas, Jamroz Jan [i in.]: Enhanced electrochemical performance of partially amorphous La<sub>0.6</sub>Sr<sub>0.4</sub>CoO<sub>3-δ</sub> oxygen electrode materials for low-temperature solid oxide cells operating at 400 °C, *Applied Surface Science*, 2024, vol. 670, s.1-13, Numer artykułu:160620. DOI:10.1016/j.apsusc.2024.160620
- Leszczyński Michał, Niepiekło Katarzyna, Terlecki Michał [i in.]: Chromium(II)-isophthalate 2D MOF with Redox-Tailorable Gas Adsorption Selectivity, *ACS Applied Materials & Interfaces*, 2024, vol. 16, nr 34, s.45100-45106. DOI:10.1021/acsmi.4c06228
- Lewczuk Konrad, Żuchowicz Patryk : Virtual Reality Application for the Safety Improvement of Intralogistics Systems, *Sustainability*, 2024, vol. 16, nr 14, s.1-26, Numer artykułu:6024. DOI:10.3390/su16146024
- Linczuk Paweł, Wojeński Andrzej, Czarski Tomasz [i in.]: Heterogeneous Online Computational Platform for GEM-Based Plasma Impurity Monitoring Systems, *Energies*, 2024, vol. 17, nr 22, s.1-22, Numer artykułu: 5539. DOI:10.3390/en17225539
- Lipski Adam, Witek Maciej, Abdelghani Mechri [i in.]: Influence of Plastic Strain on Heat Capacity of L485ME Pipe Steel Grade, *Energies*, 2024, vol. 17, nr 7, s.1-16, Numer artykułu:1554. DOI:10.3390/en17071554
- Łapczyński Sebastian, Szulborski Michał, Kolimas Łukasz [i in.]: Electrodynamics Forces in Main Three - Phase Busbar System of Low - Voltage Switchgear - FEA Simulation, *Energies*, 2024, vol. 17, s.1-20. DOI:10.3390/en17081891

Łapińska Anna, Grochowska Natalia, Cieplak Kamil [i in.]: Architecture influence on acoustic performance, EMI shielding, electrical and thermal, properties of 3D printed PLA/graphite/molybdenum disulfide composites, *Materials & Design*, 2024, vol. 245, s.1-16, Numer artykułu:113241. DOI:10.1016/j.matdes.2024.113241

Łapka Piotr, Dietrich Fabian, Furmański Piotr [i in.]: Experimental and numerical estimation of thermal conductivity of bio-based building composite materials with an enhanced thermal capacity, *Journal of Energy Storage*, 2024, vol. 97, nr B, s.1-16, Numer artykułu:112943. DOI:10.1016/j.est.2024.112943

Ławryńczuk Maciej : Koopman operator-based multi-model for predictive control, *Nonlinear Dynamics*, 2024, vol. 112, nr 12, s.9955-9982. DOI:10.1007/s11071-024-09615-7

Łukaszewicz Grzegorz, Skołek Emilia, Chmielarz Krzysztof [i in.]: Experimental-based computational prediction of the austempered steel reheating results – Laser hardening simulation, *Surface and Coatings Technology*, 2024, vol. 487, s.1-15, Numer artykułu:131018. DOI:10.1016/j.surfcoat.2024.131018

Łukaszewski Piotr, Nogal Łukasz : Prediction of amplitude of fault generated travelling wave in medium-voltage grids for fault type classification, *International Journal of Electrical Power & Energy Systems*, 2024, vol. 161, s.1-14. DOI:10.1016/j.ijepes.2024.110188

Łyskawa Jakub, Wawrzyński Paweł : ACERAC: Efficient Reinforcement Learning in Fine Time Discretization, *IEEE Transactions on Neural Networks and Learning Systems*, 2024, vol. 35, nr 2, s.2719-2731, Numer artykułu:35857727. DOI:10.1109/TNNLS.2022.3190973

Machura Piotr, Paluch Robert : Impact of network topology changes on information source localization, *Computer Communications*, 2024, vol. 228, s.1-9, Numer artykułu:107958. DOI:10.1016/j.comcom.2024.107958

Mackiewicz Monika, Zimiński K., Pawłowicz Joanna A. [i in.]: Evaluation of the historic wooden structure condition based on the results of non-destructive tests, *Engineering Failure Analysis*, 2024, vol. 159, s.1-14. DOI:10.1016/j.engfailanal.2024.108116

Malanowska Agnieszka, Mazurczyk Wojciech, Araghi Tanya Koohpayeh [i in.]: Digital Watermarking—A Meta-Survey and Techniques for Fake News Detection, *IEEE Access*, 2024, vol. 12, s.36311-36345. DOI:10.1109/access.2024.3374201

Malesza Wiktor, Bednarski Bogdan : Discrete-time systems properties defined on state-space regions, *Nonlinear Dynamics*, 2024, vol. 112, nr 4, s.1 - 21. DOI:10.1007/s11071-024-09296-2

Malicki Mateusz, Darnowski Piotr, Lind Terttaliisa : An iPWR MELCOR 2.2 Study on the Impact of the Modeling Parameters on Code Performance and Accident Progression, *Energies*, 2024, nr 17(13), s.1-24. DOI:10.3390/en17133279

Mańczewska Joanna, Kazuń Barbara, Żylińska-Urban Joanna [i in.]: Characterization of two potential probiotic strains of *Levilactobacillus brevis* isolated from carp (*Cyprinus carpio* L.) with strong immunostimulatory activity on pikeperch (*Sander lucioperca* L.) head kidney cells, *Aquaculture Reports*, 2024, vol. 39, s.1-13, Numer artykułu:102384. DOI:10.1016/j.aqrep.2024.102384

Małkiński Mikołaj, Mańdziuk Jacek : Multi-Label Contrastive Learning for Abstract Visual Reasoning, *IEEE Transactions on Neural Networks and Learning Systems*, 2024, vol. 35, nr 2, s.1941-1953. DOI:10.1109/tnnls.2022.3185949

Małkiński Mikołaj, Mańdziuk Jacek : One Self-Configurable Model to Solve Many Abstract Visual Reasoning Problems, W: *Proceedings of the AAAI Conference on Artificial Intelligence / Wooldridge Michael, Dy Jennifer, Natarajan Sriraam (red.)*, 2024, vol. 38, nr 13, Washington, DC, USA, AAAI OOK-Press, s.14297-14305, ISBN 978-1-57735-887-9. DOI:10.1609/aaai.v38i13.29342

Mansoor Mubashir, Sarsil Mehmet Ali, Mansoor Mehya [i in.]: Optical Centers in Cr-, Mn-, and O-Doped AlN and Their Thermodynamic Stability Designed by a Multiscale Computational Approach, *ACS Applied Materials & Interfaces*, 2024, vol. 16, nr 50, s.69529-69547. DOI:10.1021/acsami.4c12726

Mańdziuk Jacek, Białas Marcin, Mirończuk Marcin : Leveraging spiking neural networks for topic modeling, *Neural Networks*, 2024, vol. 178, s.1-18, Numer artykułu:106494. DOI:10.1016/j.neunet.2024.106494

Marciniuk Marta, Piskur Paweł, Kiszowski Łukasz [i in.]: Aerodynamic Analysis of Variable Camber-Morphing Airfoils with Substantial Camber Deflections, *Energies*, 2024, vol. 17, nr 8, s.1801. DOI:10.3390/en17081801

Marszałek Anna, Affek Katarzyna Anna, Załęska-Radziwiłł Monika [i in.]: Integrated Ozonation and Photocatalysis to Remove Pollutants for Reuse of Rainwater, *Sustainability*, 2024, vol. 16, nr 13, s.1-19, Numer artykułu:5352. DOI:10.3390/su16135352

Martinez Guerrero Diana Clemencia, Borkam-Schuster Anke, Helmholz Heike [i in.]: Bone cells influence the degradation interface of pure Mg and WE43 materials: Insights from multimodal in vitro analysis, *Acta Biomaterialia*, 2024, vol. 187, s.471-490. DOI:10.1016/j.actbio.2024.08.015

Martsinchyk Katsiaryna, Martsinchyk Aliaksandr, Łazor Monika [i in.]: Feasibility study and techno-economic assessment of power-to-gas (P2G) technology based on solid oxide electrolysis (SOE), *Journal of Environmental Management*, 2024, vol. 354, s.1-14, Numer artykułu:120425. DOI:10.1016/j.jenvman.2024.120425

Martsinchyk Katsiaryna, Martsinchyk Aliaksandr, Milewski Jarosław : Solid Oxide Electrolysis, Co-Electrolysis, and Methanation Fundamentals of Performance and History, *Energies*, 2024, vol. 17, nr 24. DOI:10.3390/en17246486

Matczuk Magdalena, Ruzik Lena, Timerbaev Andrei R. : Recent development of CE-ICP-MS in biospeciation research and analysis: From anticancer drugs to nanoparticles and beyond, *Trac-Trends in Analytical Chemistry*, 2024, vol. 180, s.1-8, Numer artykułu:117967. DOI:10.1016/j.trac.2024.117967

Matczuk Magdalena, Timerbaev Andrei R., Keppler Bernhard K. [i in.]: Ionic liquid-mediated drug delivery: a review on progress and challenges focused on poly(ionic liquid) nanoplateforms, *Journal of Molecular Liquids*, 2024, vol. 399, s.1-10, Numer artykułu:124403. DOI:10.1016/j.molliq.2024.124403

Matyszczak Grzegorz, Płociński Tomasz, Dłużewski Piotr [i in.]: Sonochemical synthesis of SnS and SnS<sub>2</sub> quantum dots from aqueous solutions, and their photo- and sonocatalytic activity, *Ultrasonics Sonochemistry*, 2024, vol. 105, s.1-14, Numer artykułu:106834. DOI:10.1016/j.ultsonch.2024.106834

Mazurczyk Wojciech, Lee D., Vlachos Andreas : Disinformation 2.0 in the Age of AI: A Cybersecurity Perspective, *Communications of the ACM*, 2024, vol. 67, nr 3, s.36-39. DOI:10.1145/3624721

Mazuro Paweł, Kozak Dariusz : Effect of variable geometry turbocharger on the performance of the opposed piston engine – An experimental approach, *Applied Thermal Engineering*, 2024, vol. 236, nr B, s.1-19, Numer artykułu:121602. DOI:10.1016/j.applthermaleng.2023.121602

Michalak Hanna, Michalak Karolina : Selected Aspects of Sustainable Construction—Contemporary Opportunities for the Use of Timber in High and High-Rise Buildings, *Energies*, 2024, vol. 17, nr 8, s.1-27. DOI:10.3390/en17081961

Michałowski Paweł Piotr, Gębski Marcin, Śpiewak Patrycja [i in.]: Artifact-free secondary ion mass spectrometry profiling of a full vertical cavity surface emitting laser structure, *Measurement*, 2024, vol. 225, s.1-8, Numer artykułu:114003. DOI:10.1016/j.measurement.2023.114003

Michna Jan, Rogowski Krzysztof : A Refined Approach for Angle of Attack Estimation and Dynamic Force Hysteresis in H-Type Darrieus Wind Turbines, *Energies*, 2024, vol. 17, nr 24, s.1-25, Numer artykułu:6264. DOI:10.3390/en17246264

Mielniczuk Jan, Teisseyre Paweł Roman\*, Rejchel Wojciech : Joint empirical risk minimization for instance-dependent positive-unlabeled data, *Knowledge-Based Systems*, 2024, vol. 304, s.1-21, Numer artykułu:112444. DOI:10.1016/j.knosys.2024.112444

Milczarek Adam, Moźdzynski Kamil : A Unified Data Profile for Microgrid Loads, Power Electronics, and Sustainable Energy Management with IoT, *Energies*, 2024, vol. 17, nr 6, s.1-16, Numer artykułu:1277. DOI:10.3390/en17061277

Milewski Jarosław, Dybiński Olaf, Szczęśniak Arkadiusz [i in.]: Identification of oxygen ion conductivity of Ba doped Bi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub> (Ba-BNT) based matrix impregnated by lithium/potassium electrolyte for molten carbonate fuel cells, *International Journal of Hydrogen Energy*, 2024, vol. 51, nr Part D, s.412-423. DOI:10.1016/j.ijhydene.2023.06.116

Milewski Jarosław, Martsinchyk Aliaksandr : Using MCFC for capturing CO<sub>2</sub> from flue gases and delivering to Sabatier reactor for SNG synthesis, *Energies*, 2024, s.5-33. DOI:10.54966/jgreen.v1i1.1250

Milewski Jarosław, Ryś Piotr, Krztoń-Maziopa Anna [i in.]: Structural Investigation of Orthoborate-Based Electrolytic Materials for Fuel Cell Applications, *Energies*, 2024, vol. 17, nr 9, s.1-22, Numer artykułu:2097. DOI:10.3390/en17092097

Milewski Jarosław, Szczęśniak Arkadiusz, Dybiński Olaf [i in.]: Off-design operation of super critical CO<sub>2</sub> cycle integrated with reciprocating engine, *Chemosphere*, 2024, vol. 369, nr 143850, s.1-11, Numer artykułu:143850. DOI:10.1016/j.chemosphere.2024.143850

Milewski Jarosław, Szczęśniak Arkadiusz, Lis Piotr [i in.]: Selecting Cycle and Design Parameters of a Super Critical CO<sub>2</sub> Cycle for a 180 kW Biogas Engine, *Energies*, 2024, vol. 17, nr 12, s.1-21, Numer artykułu:2982. DOI:10.3390/en17122982

Milewski Jarosław, Szczeniak Arkadiusz, Martsinchyk Aliaksandr [i in.]: Pilot-scale SOE-MCFC hybrid system for Co<sub>2</sub>/H<sub>2</sub> mixture production – First experiences in the “Tennessee” project, *International Journal of Hydrogen Energy*, 2024, vol. 52, nr D, s.1369-1380, Numer artykułu:52. DOI:10.1016/j.ijhydene.2023.10.054

Milewski Jarosław, Szczeniak Arkadiusz, Szablowski Łukasz [i in.]: Molten Borates Fuel Cells - Mathematical modeling and identification of performances, *Renewable & Sustainable Energy Reviews*, 2024, vol. 190, nr Part B, s.1-14, Numer artykułu:113949. DOI:10.1016/j.rser.2023.113949

Mimouni Amina, Laribi Souad, Bizhani Hamed [i in.]: Switch Fault Diagnosis of Grid Connected Inverter using Symmetrical Components, *IEEE Journal of Emerging and Selected Topics in Power Electronics*, 2024, vol. 12, nr 5, s.5258-5272. DOI:10.1109/jestpe.2024.3428397

Ming Jing, Leszczyńska-Redek Marzena, Małys Marcin [i in.]: Dopant clustering and vacancy ordering in neodymium doped ceria, *Journal of Materials Chemistry A: materials for energy and sustainability*, 2024, vol. 12, nr 17, s.10203-10215. DOI:10.1039/d3ta07668g

Miśta-Jakubowska Ewelina A., Duczko Władysław, Kowalska Anna [i in.]: Amulets from Viking-age Baltic coast: A unique hoard from Piaski-Dramino (Poland) in the light of provenance and technological research of silvercraft art, *Journal of Archaeological Science: Reports*, 2024, vol. 53, s.1-13, Numer artykułu:104356. DOI:10.1016/j.jasrep.2023.104356

Molas Michał, Szewczyk Marcin : Parameters of 3D Fractal Dimension for a Population of Long Spark, *IEEE Transactions on Power Delivery*, 2024, vol. 39, s.296 - 305. DOI:10.1109/TPWRD.2023.3339222

Mongay Batalla Jordi, de la Cruz Llopis Luis J., Peinado Gomez German [i in.]: Multi-Layer Security Assurance of the 5G Automotive System Based on Multi-Criteria Decision Making, *IEEE Transactions on Intelligent Transportation Systems*, 2024, vol. 25, nr 5, s.1-17. DOI:10.1109/tits.2023.3325908

Morag Ahiud, Chu Xingyuan, Marczewski Maciej [i in.]: Unlocking Four-electron Conversion in Tellurium Cathodes for Advanced Magnesium-based Dual-ion Batteries, *Angewandte Chemie-International Edition*, 2024, vol. 63, nr 19, s.1-10, Numer artykułu:e202401818. DOI:10.1002/anie.202401818

Morawski Roman Z. : Application-oriented meta-model of measurement uncertainty, *Measurement*, 2024, vol. 225, s.1–8 of Article #114044. DOI:10.1016/j.measurement.2023.114044

Mościcki Tomasz, Psiuk Rafał, Jarząbek Dariusz\* [i in.]: Effect of titanium and deposition parameters on microstructure and mechanical properties of W-Ti-B thin films deposited by High Power Impulse Magnetron Sputtering, *Surface and Coatings Technology*, 2024, vol. 485, s.1-13, Numer artykułu:130915. DOI:10.1016/j.surfcoat.2024.130915

Mrokowska Magdalena M., Krztoń-Maziopa Anna : Settling of microplastics in mucus-rich water column: the role of biologically modified rheology of seawater, *Science of the Total Environment*, 2024, vol. 912, s.1-13, Numer artykułu:168767. DOI:10.1016/j.scitotenv.2023.168767

Mughees Abdullah, Mughees Neelam, Mughees Anam [i in.]: Enhancing stability and position control of a constrained magnetic levitation system through optimal fractional-order PID controller, *Alexandria Engineering Journal*, 2024, vol. 107, s.730-746. DOI:10.1016/j.aej.2024.09.022

Mughees Anam, Kamran Muhammad, Mughees Neelam [i in.]: New Appliance Signatures for NILM Based on Mono-Fractal Features and Multi-Fractal Formalism, *IEEE Access*, 2024, vol. 12, s.108986-109000. DOI:10.1109/access.2024.3440168

Nałęcz-Charkiewicz Katarzyna, Charkiewicz Kamil, Nowak Robert Marek : Quantum computing in bioinformatics: a systematic review mapping, *Briefings in Bioinformatics*, 2024, vol. 25, nr 5, s.1-14, Numer artykułu:bbae391. DOI:10.1093/bib/bbae391

Nápoles Gonzalo, Jastrzębska Agnieszka, Grau Isel [i in.]: Backpropagation through time learning for recurrence-aware long-term cognitive networks, *Knowledge-Based Systems*, 2024, vol. 295, s.1-10, Numer artykułu:111825. DOI:10.1016/j.knosys.2024.111825

Narowski Piotr Grzegorz, Heim Dariusz, Mijakowski Maciej : New External Design Temperatures and Geospatial Models for Poland and Central Europe for Building Heat Load Calculations, *Energies*, 2024, vol. 17, nr 16, s.1-21, Numer artykułu:3905. DOI:10.3390/en17163905

Natkaniec-Nowak Lucyna, Drzewicz Przemysław, Stach Paweł [i in.]: The overview of analytical methods for studying of fossil natural resins, *Critical Reviews in Analytical Chemistry*, 2024, vol. 54, nr 8, s.1-23. DOI:10.1080/10408347.2023.2200855

Nauman Michał, Bortkiewicz Michał, Miłoś Piotr [i in.]: Overestimation, Overfitting, and Plasticity in Actor-Critic: the Bitter Lesson of Reinforcement Learning, W: Proceedings of the 41st International Conference on Machine Learning, PMLR 235 / Salakhutdinov Ruslan [i in.] (red.), 2024, vol. 235, PMLR, s.37342-37364, Numer artykułu:10168

Nawrotek Katarzyna, Chyb Maciej, Gatkowska Justyna [i in.]: Effect of sodium L-lactate on bioactive properties of chitosan-hydroxyapatite/polycaprolactone conduits for peripheral nerve tissue engineering, International Journal of Biological Macromolecules, 2024, vol. 281, nr 136254, s.1-15. DOI:10.1016/j.ijbiomac.2024.136254

Niewiara Łukasz Jan\*, Tarczewski Tomasz\*, Gierczyński Michał [i in.]: Designing a Hybrid State Feedback Control Structure for a Drive With a Reluctance Synchronous Motor, IEEE Transactions on Industrial Electronics, 2024, vol. 71, nr 8, s.8351-8361. DOI:10.1109/tie.2023.3319726

Niszczota Paweł, Gieras Marian : Inlet injection as an alternative, simplified method of hydrogen application in a miniature gas turbine, Applied Thermal Engineering, 2024, vol. 257, nr A, s.1-11. DOI:10.1016/j.applthermaleng.2024.124175

Nosewicz Szymon, Jencyk Piotr, Romelczyk-Baishya Barbara [i in.]: The influence of spark plasma sintering on multiscale mechanical properties of nickel-based composite materials, Materials Science and Engineering A-Structural Materials Properties Microstructure And Processing, 2024, vol. 891. DOI:10.1016/j.msea.2023.146001

Nowak Przemysław, Santolini Marc, Singh Chakresh [i in.]: Beyond Zipf's law: Exploring the discrete generalized beta distribution in open-source repositories, Physica A-Statistical Mechanics and Its Applications, 2024, vol. 649. DOI:10.1016/j.physa.2024.129927

Nowak-Dzieszko Katarzyna, Mijakowski Maciej, Müller Jarosław : Simulating the Natural Seasonal Ventilation of a Classroom in Poland Based on Measurements of the CO2 Concentration, Energies, 2024, vol. 17, nr 18, s.1-19, Numer artykułu:4591. DOI:10.3390/en17184591

Nowakowski Piotr, Rokita Przemysław, Graczykowski Łukasz : GPU propagation and visualisation of particle collisions with accurate model of ALICE detector magnetic field, Computer Physics Communications, 2024, vol. 294, s.1-6, Numer artykułu:108912. DOI:10.1016/j.cpc.2023.108912

Nowicki Łukasz, Monteverde Fabien, Nouvellon Corinne [i in.]: Fabrication and electrical characterization of carbon coating on a quartz wafer treated with nitrogen ion implantation, Materials Research Bulletin, 2024, vol. 179, s.1-7. DOI:10.1016/j.materresbull.2024.112940

Nwachukwu Anthony, Karbowski Andrzej : Solution of the Simultaneous Routing and Bandwidth Allocation Problem in Energy-Aware Networks Using Augmented Lagrangian-Based Algorithms and Decomposition, Energies, 2024, vol. 17, nr 5, s.1-23, Numer artykułu:1233. DOI:10.3390/en17051233

Olaszek Piotr, Maciejewski Edgar, Rakoczy Anna M. [i in.]: Remote Inspection of Bridges with the Integration of Scanning Total Station and Unmanned Aerial Vehicle Data, Remote Sensing, 2024, vol. 16, nr 22, Numer artykułu:4176. DOI:10.3390/rs16224176

Olejnik-Fehér Natalia, Jędrzejewska Maria, Wolska-Pietkiewicz Małgorzata [i in.]: On the Fate of Lithium Ions in Sol-Gel Derived Zinc Oxide Nanocrystals, Small, 2024, vol. 20, s.1-9, Numer artykułu:2309984. DOI:10.1002/sml.202309984

Olszewski Dominik, Iwanowski Marcin, Graniszewski Waldemar : Dimensionality reduction for detection of anomalies in the IoT traffic data, Future Generation Computer Systems, 2024, vol. 151, s.137-151. DOI:10.1016/j.future.2023.09.033

Osowski Stanisław, Ciechulski Tomasz : Wind Power Short-Term Time-Series Prediction Using an Ensemble of Neural Networks, Energies, 2024, vol. 17, nr 1, s.1-15, Numer artykułu:264. DOI:10.3390/en17010264

Ostrowski Wojciech, Misk Ł., Modrzewski Jakub [i in.]: Monitoring of large-scale archaeological excavations using photogrammetric techniques - Nea Paphos case study, Journal of Archaeological Science: Reports, 2024, vol. 53, s.1-12. DOI:10.1016/j.jasrep.2023.104353

Pachla Julita, Kowalczyk Sebastian, Tomaszewski Waldemar [i in.]: L-PTMI-co-L-PEI copolymers obtained through copolymerization of cyclic imino ethers and their chain modification: antibacterial properties and cytotoxicity, European Polymer Journal, 2024, vol. 213, s.1-12, Numer artykułu:113088. DOI:10.1016/j.eurpolymj.2024.113088

Padalko Volodymyr, Pośnik Filip, Adamczyk Małgorzata : Mitochondrial Aconitase and Its Contribution to the Pathogenesis of Neurodegenerative Diseases, International Journal of Molecular Sciences, 2024, vol. 25, nr 18, s.1-33, Numer artykułu:9950. DOI:10.3390/ijms25189950

Paradiso Alessia, Volpi Marina, Martinez Guerrero Diana Clemencia [i in.]: Engineering Biomimetic Microvascular Capillary Networks in Hydrogel Fibrous Scaffolds via Microfluidics-Assisted Co-Axial Wet-Spinning, ACS Applied Materials & Interfaces, 2024, vol. 48, nr 16, s.65927–65941. DOI:10.1021/acsami.4c15221

Patel Yash J., Kundu Akash, Ostaszewski Mateusz [i in.]: Curriculum reinforcement learning for quantum architecture search under hardware errors, W: Proceedings of the Twelfth International Conference on Learning Representations (ICLR 2024), 2024, OpenReview.net, s.1-32, Numer artykułu:8370

Patkowski Wojciech, Zybert Magdalena, Ronduda Hubert [i in.]: Toward green ammonia synthesis - exploring the influence of lanthanide oxides as supports on the cobalt catalysts properties, Journal of CO2 Utilization, 2024, vol. 80, s.1-13, Numer artykułu:102699. DOI:10.1016/j.jcou.2024.102699

Pawlak Katarzyna, Jopek Zuzanna, Świącicka-Fuchsel Elżbieta [i in.]: A new RPLC-ESI-MS method for the determination of eight vitamers of vitamin E, Food Chemistry, 2024, vol. 432, s.1-10, Numer artykułu:137161. DOI:10.1016/j.foodchem.2023.137161

Pawłowicz Joanna A., Knyziak Piotr, Krentowski J.R. [i in.]: Reverse engineering as a non-invasive examining method of the water tower brick structure condition, Engineering Failure Analysis, 2024, vol. 161, s.1-22, Numer artykułu:108280. DOI:10.1016/j.engfailanal.2024.108280

Pereira Pedro Henrique R., Bazarnik Piotr, Huang Yi [i in.]: The role of processing temperature for achieving superplastic properties in an Al-3Mg-0.2Sc alloy processed by high-pressure torsion, Materials Science and Engineering A-Structural Materials Properties Microstructure And Processing, 2024, vol. 916, s.1-14, Numer artykułu:147320. DOI:10.1016/j.msea.2024.147320

Pęcak Daniel, Zdanowicz Agata, Chamel Nicolas [i in.]: Time-Dependent Nuclear Energy-Density Functional Theory Toolkit for Neutron Star Crust: Dynamics of a Nucleus in a Neutron Superfluid, Physical Review X, 2024, vol. 14, nr 4, s.1-18. DOI:10.1103/physrevx.14.041054

Piątek Piotr, Mydłowski Piotr, Buczacki Aleksander [i in.]: Concept of Using the MBSE Approach to Integrate Security Patterns in Safety-Related Projects for the Automotive Industry, IEEE Transactions on Intelligent Transportation Systems, 2024, vol. 25, nr 11, s.1-16. DOI:10.1109/tits.2024.3444048

Piekut Marlena, Rybaltowicz Jakub : COMPARATIVE STUDY OF GOVERNMENT EXPENDITURE ON SOCIAL PROTECTION IN THE VISEGRÁD GROUP AND BENELUX, Economics & Sociology, 2024, vol. 17, nr 1, s.280-294. DOI:10.14254/2071-789X.2024/17-1/17

Piotrowski Paweł, Kopyt Marcin : Short-Term Forecasts of Energy Generation in a Solar Power Plant Using Various Machine Learning Models, along with Ensemble and Hybrid Methods, Energies, 2024, nr 4234, s.1-24, Numer artykułu:17(17). DOI:10.3390/en17174234

Pixner Florian, Warchomicka Fernando, Lipińska Marta [i in.]: Thermal cycling effects on the local microstructure and mechanical properties in wire-based directed energy deposition of nickel-based superalloy, Additive Manufacturing, 2024, vol. 83, s.1-22, Numer artykułu:104066. DOI:10.1016/j.addma.2024.104066

Plamowski Sebastian, Nebeluk Robert, Wojtulewicz Andrzej [i in.]: Methodology for Conducting a Study of the Vulnerability of PLC Control Algorithms to Cyber Attacks, IEEE Access, 2024, vol. 12, s.1-13, Numer artykułu:135552. DOI:10.1109/ACCESS.2024.3461549

Płoszaj-Mazurek Mateusz, Ryńska Elżbieta : Artificial Intelligence and Digital Tools for Assisting Low-Carbon Architectural Design: Merging the Use of Machine Learning, Large Language Models, and Building Information Modeling for Life Cycle Assessment Tool Development, Energies, 2024, nr 17 (12), s.1-21. DOI:10.3390/en17122997

Pniewska Sylwia, Drozd Marcin, Malinowska Elżbieta : A Careful Insight into DDI-Type Receptor Layers on the Way to Improvement of Click-Biology-Based Immunosensors, Biosensors, 2024, vol. 14, nr 3, s.1-17, Numer artykułu:136. DOI:10.3390/bios14030136

Pniewska Sylwia, Porycka Karolina, Lapitan Lorico Jr [i in.]: A versatile approach to quality control of protein-based receptor layers by reversible, nonspecific staining for multiplex SPRI immunosensing, Sensors and Actuators B - Chemical, 2024, vol. 421, s.1-12, Numer artykułu:136512. DOI:10.1016/j.snb.2024.136512

Polis Mateusz, Stolarczyk Agnieszka, Szydło Konrad [i in.]: Novel NSTEX System Based on Ti/CuO/NC Nanothermite Doped with NTO, Energies, 2024, vol. 17, nr 15, s.1-31. DOI:10.3390/en17153675

Polis Mateusz, Stolarczyk Agnieszka, Szydło Konrad [i in.]: Ti/CuO and Ti/CuO/Cellulose Nitrate Nanothermites: an Early Insight into Their Combustion Mechanism, Energies, 2024, vol. 17, nr 17, s.1-51, Numer artykułu:4333. DOI:10.3390/en17174333

Posabella Pasquale, Heljak Marcin, Costantini Marco [i in.]: Spherical-based porous architectures: In silico design and validation, *International Journal of Mechanical Sciences*, 2024, vol. 283, s.1-12, Numer artykułu:109636. DOI:10.1016/j.ijmecsci.2024.109636

Poźniak Krzysztof, Zabołotny Wojciech, CMS Collaboration: Measurement of boosted Higgs bosons produced via vector boson fusion or gluon fusion in the  $H \rightarrow b\bar{b}$  decay mode using LHC proton-proton collision data at  $\sqrt{s} = 13$  TeV, *Journal of High Energy Physics*, 2024, vol. 2024, s.1-47, Numer artykułu:35. DOI:10.1007/JHEP12(2024)035

Poźniak Krzysztof, Zabołotny Wojciech, CMS Collaboration: Search for CP violation in  $D^0 \rightarrow K^0_S K^0_S$  decays in proton-proton collisions at  $\sqrt{s} = 13$  TeV, *European Physical Journal C*, 2024, vol. 84, s.1-26, Numer artykułu:1264. DOI:10.1140/epjc/s10052-024-13244-0

Poźniak Krzysztof, Zabołotny Wojciech, Hayrapetyan A., The CMS Collaboration: Measurement of multijet azimuthal correlations and determination of the strong coupling in proton-proton collisions at  $\sqrt{s} = 13$  TeV, *European Physical Journal C*, 2024, nr 84, s.1-35, Numer artykułu:842. DOI:10.1140/epjc/s10052-024-13116-7

Proszewska Magdalena, Mazur Marcin, Trzciński Tomasz [i in.]: HyperCube: Implicit Field Representations of Voxelized 3D Models (Student Abstract), W: *Proceedings of the AAAI Conference on Artificial Intelligence*, Vol. 38 No. 21: AAAI-24 Technical Tracks 1 / Wooldridge Michael, Dy Jennifer, Natarajan Sriraam (red.), 2024, Washington, DC, USA, AAAI OOK-Press, s.23623-23625, ISBN 978-1-57735-887-9. DOI:10.1609/aaai.v38i21.30499

Pryciński Piotr, Pielecha Piotr, Korzeb Jarosław [i in.]: Air Pollutant Emissions of Passenger Cars in Poland in Terms of Their Environmental Impact and Type of Energy Consumption, *Energies*, 2024, vol. 17, nr 5357, s.1-21. DOI:10.3390/en17215357

Przybylski Maciej: Asymptotically Optimal A\* for Kinodynamic Planning, *IEEE Robotics and Automation Letters*, 2024, vol. 9, nr 5, s.4353-4360. DOI:10.1109/LRA.2024.3379847

Pudo Mikołaj, Wosik Mateusz, Janicki Artur: Improved Small-Footprint ASR-Based Solution for Open Vocabulary Keyword Spotting, *IEEE Access*, 2024, vol. 12, s.91289-91299. DOI:10.1109/access.2024.3421605

Ramm Klara, Smol Marzena: The potential for water recovery from urban waste water - The perspective of urban waste water treatment plant operators in Poland, *Journal of Environmental Management*, 2024, vol. 358, s.1-11, Numer artykułu:120890. DOI:10.1016/j.jenvman.2024.120890

Rasolomampionona Desire, Połecki Michał, Zagrajek Krzysztof [i in.]: A Comprehensive Review of Load Frequency Control Technologies, *Energies*, 2024, vol. 17, nr 12, s.1-16. DOI:10.3390/en17122915

Rezayoftatari Fatemeh, Banejad Mahdi, Akbarzadeh Kalat Ali [i in.]: A long-horizon move-blocking based direct power model predictive control for dynamic enhancement of DC microgrids, *Ain Shams Engineering Journal*, 2024, vol. 15, nr 7, s.1-14, Numer artykułu:102837. DOI:10.1016/j.asej.2024.102837

Robak Sylwester, Machowski Jan: Estimation of Off-Nominal Parameters of Three-Winding Transformers Using Lagrange Interpolation, *IEEE Transactions on Power Delivery*, 2024, vol. 39, nr 3, s.1931-1938. DOI:10.1109/TPWRD.2024.3383164

Rogóż Rafał, Teodorczyk Andrzej, Kapusta Łukasz Jan: Flash-boiling effect on the droplet size distribution in low-pressure sprays formed at various ambient pressures and liquid temperatures — Experimental study and modelling, *Applied Thermal Engineering*, 2024, vol. 236, nr C, s.1-15, Numer artykułu:121740. DOI:10.1016/j.applthermaleng.2023.121740

Ronduda Hubert, Młotek Michał, Góral Weronika [i in.]: Cobalt catalysts for CO<sub>x</sub>-free hydrogen production: Effect of catalyst type on ammonia decomposition in gliding discharge plasma reactor, *Journal of CO<sub>2</sub> Utilization*, 2024, vol. 82, s.1-12, Numer artykułu:102755. DOI:10.1016/j.jcou.2024.102755

Różycki Sebastian, Michalski Marek, Kobielec Aleksandra: Use of Geoinformatics for the Digitization and Visualization of Sensitive Space in the Urban Landscape: A Case Study of the Gross-Rosen Sub-Camps Systems, *Remote Sensing*, 2024, nr 16(5), 783, s.1-17, Numer artykułu:<https://www.mdpi.com/2072-4292/16/5/783>. DOI:10.3390/rs16050783

Rudzka Aleksandra, Antos Natalia, Reiter Tamara [i in.]: One-Pot Sequential Two-Step Photo-Biocatalytic Deracemization of sec-Alcohols Combining Photocatalytic Oxidation and Bioreduction, *ACS Catalysis*, 2024, vol. 14, nr 3, s.1808-1823. DOI:10.1021/acscatal.3c05100

Runjhun Rashmi, Alharbi Essa A., Drużyński Zygmunt [i in.]: High-Performance Perovskite Solar Cells with Zwitterion-Capped-ZnO Quantum Dots as Electron Transport Layer and NH<sub>4</sub>X (X = F, Cl, Br)-Assisted Interfacial Engineering, *Energy & Environmental Materials*, 2024, vol. 7, nr 5, s.1-11, Numer artykułu:e12720. DOI:10.1002/eem2.12720

Rupniewski Marek Wojciech : Reconstruction of Recurring Pulses From Distribution of Short Sequences of Samples, *IEEE Signal Processing Letters*, 2024, vol. 31, s.396-400. DOI:10.1109/lsp.2024.3353675

Safdar Muhammad Farhan, Nowak Robert Marek, Pałka Piotr : Pre-Processing techniques and artificial intelligence algorithms for electrocardiogram (ECG) signals analysis: A comprehensive review, *Computers in Biology and Medicine*, 2024, vol. 170, s.1-16, Numer artykułu:107908. DOI:10.1016/j.combiomed.2023.107908

Salski Bartłomiej Wacław, Pacewicz Adam, Czekala Piotr [i in.]: Characterization of Low-Loss Liquids With a Double-Concave Fabry–Perot Open Resonator in the 20–50-GHz Range, *IEEE Transactions on Microwave Theory and Techniques*, 2024, s.1-8. DOI:10.1109/tmtt.2023.3308215

Salwin Mariusz, Chmielewski Tomasz : Smart Product-Service System for Parking Furniture—Sale of Storage Space in Parking Places, *Sustainability*, 2024, vol. 16, nr 20, s.1-47. DOI:10.3390/su16208824

Salwin Mariusz, Kraslawski Andrzej : Product-Service System business model for plastics industry, *Journal of Cleaner Production*, 2024, vol. 451, s.1-48, Numer artykułu:141874. DOI:10.1016/j.jclepro.2024.141874

Samel Agnieszka, Wojciechowski Kamil : Lupine protein enzymatic hydrolysates obtained in a simultaneous extraction-hydrolysis process as foaming agents, *LWT-Food Science and Technology*, 2024, vol. 208, s.1-8, Numer artykułu:116713. DOI:10.1016/j.lwt.2024.116713

Saski Marcin, Sobczak Szymon, Ratajczyk Paulina [i in.]: Unprecedented Richness of Temperature- and Pressure-Induced Polymorphism in 1D Lead Iodide Perovskite, *Small*, 2024, vol. 20, nr 38, s.1-13, Numer artykułu:2403685. DOI:10.1002/smll.202403685

Senbeta Tesfaye B., Napiórkowski Jarosław, Karamuz Emilia [i in.]: Impacts of water regulation through a reservoir on drought dynamics and propagation in the Pilica River watershed, *Journal of Hydrology: Regional Studies*, 2024, vol. 53, s.1-22, Numer artykułu:101812. DOI:10.1016/j.ejrh.2024.101812

Shaheen Khadija, Chawla Apoorva, Uilhoorn Ferdinand [i in.]: Partial-Distributed Architecture for Multi-Sensor Fault Detection, Isolation and Accommodation in Hydrogen-Blended Natural Gas Pipelines, *IEEE Internet of Things Journal*, 2024, vol. 11, nr 21, s.35420-35431. DOI:10.1109/jiot.2024.3435413

Shaheen Qurat-Ul-Ain, Budzyńska Katarzyna, Sierra Carles : An explanation-oriented inquiry dialogue game for expert collaborative recommendations, *Argument and Computation*, 2024, nr 1, s.1-36. DOI:10.3233/AAC-230010

Shuhayeu Pavel, Martsinych Aliaksandr, Martsinych Katsiaryna [i in.]: Investigating PEM Fuel Cells as an Alternative Power Source for Electric UAVs: Modeling, Optimization, and Performance Analysis, *Energies*, 2024, vol. 17, nr 17, s.1-15, Numer artykułu:4427. DOI:10.3390/en17174427

Shuhayeu Pavel, Martsinych Aliaksandr, Martsinych Katsiaryna [i in.]: Model-based quantitative characterization of anode microstructure and its effect on the performance of molten carbonate fuel cell, *International Journal of Hydrogen Energy*, 2024, vol. 52 part A, s.902-915. DOI:10.1016/j.ijhydene.2023.05.175

Skarbek Władysław : Cross Entropy in Deep Learning of Classifiers Is Unnecessary—ISBE Error Is All You Need, *Entropy*, 2024, vol. 26, nr 1, s.1-25. DOI:10.3390/e26010065

Skoczowski Tadeusz, Bielecki Sławomir, Wołowicz Marcin [i in.]: Participation in Demand Side Response. Are individual energy users interested in this?, *Renewable Energy*, 2024, vol. 232, s.1-38, Numer artykułu:121104. DOI:10.1016/j.renene.2024.121104

Skorupski Jacek, Siegień Izabela : Petri net model-based approach to runway performance analysis, *Journal of Air Transport Management*, 2024, vol. 120, s.1-15, Numer artykułu:102651. DOI:10.1016/j.jairtraman.2024.102651

Smagowicz Justyna, Szwed Cezary, Berlec Tomaz : An Assortment–Quantity Optimization Problem in Printing Industry Using Simulation Modelling, *Sustainability*, 2024, vol. 16, nr 4, s.1-25, Numer artykułu:1693. DOI:10.3390/su16041693

Sobczak Przemysław, Sokół Tomasz Grzegorz : Level-set based shape optimization for plane elastic structures using radial basis functions and Hilbertian descent direction, *Structural and Multidisciplinary Optimization*, 2024, vol. 67, nr 10, s.1-15. DOI:10.1007/s00158-024-03868-x

Sochacki Mateusz, Skromak Olgierd : Comparison of Spherical Data Interpolation Methods for Spacecraft Radiation Pressure Characteristics Interpolation, *IEEE Access*, 2024, vol. 12, s.182025-182034. DOI:10.1109/access.2024.3508880

Soczówka Piotr, Lasota Michał, Franke Piotr [i in.]: Method of Determining New Locations for Electric Vehicle Charging Stations Using GIS Tools, *Energies*, 2024, vol. 17, nr 18, s.1-27, Numer artykułu:4546. DOI:10.3390/en17184546

- Som Narayan N. \*, Opalińska Agnieszka, Chandel Madhurya [i in.]: Cutting-Edge PCN-ZnO Nanocomposites with Experimental and DFT Insights into Enhanced Hydrogen Evolution Reaction, *ACS Applied Energy Materials*, 2024, vol. 7, nr 20, s.9402-9413, Numer artykułu:01932. DOI:10.1021/acsaem.4c01932
- Sorensen Agnieszka, Stefaniak Maria, Zbroszczyk Hanna : Dense nuclear matter equation of state from heavy-ion collisions, *Progress in Particle and Nuclear Physics*, 2024, vol. 134, s.1-62, Numer artykułu:104080. DOI:10.1016/j.pnpnp.2023.104080
- Sosnowska Marta, Łęga Tomasz, Nidzworski Dawid [i in.]: Ultra-Selective and Sensitive Fluorescent Chemosensor Based on Phage Display-Derived Peptide with an N-Terminal Cu(II)-Binding Motif, *Biosensors*, 2024, vol. 14, nr 11, s.1-14, Numer artykułu:555. DOI:10.3390/bios14110555
- Sosnowska Marta, Pitula Emil, Janik Monika [i in.]: Peptide-Based Rapid and Selective Detection of Mercury in Aqueous Samples with Micro-Volume Glass Capillary Fluorometer, *Biosensors*, 2024, vol. 14, nr 11, s.1-14, Numer artykułu:530. DOI:10.3390/bios14110530
- Sotniczuk Agata, Dou Baojie, Liu Yangping [i in.]: Real-time monitoring of Ti-Nb-Ta-Zr and commercially pure Ti interaction with H<sub>2</sub>O<sub>2</sub> using atomic force microscopy and atomic emission spectroelectrochemistry, *Applied Surface Science*, 2024, vol. 665, s.1-7, Numer artykułu:160309. DOI:10.1016/j.apsusc.2024.160309
- Sotniczuk Agata, Dou Baojie, Xie Chenyang [i in.]: New insights into the corrosion of orthopedic Ti-6Al-4V under cathodic polarization, *Corrosion Science*, 2024, vol. 238, s.1-10, Numer artykułu:112354. DOI:10.1016/j.corsci.2024.112354
- Stachurski Arkadiusz, Delgorge Frank, Muszyński Adam : Water reuse from wastewater: Experiences and challenges of implementing a full-scale water reuse system in a food industry plant, *Journal of Water Process Engineering*, 2024, vol. 59, s.1-9, Numer artykułu:104994. DOI:10.1016/j.jwpe.2024.104994
- Stawowy Marek, Paś Jacek, Perlicki Krzysztof [i in.]: Continuity Quality of Power Supply in Detectors Powered by Renewable Energy Sources, *Energies*, 2024, vol. 17, nr 24, s.1-17, Numer artykułu:6423. DOI:10.3390/en17246423
- Stefańska Anna\*, Markowski Hubert, Dixit Saurav : Three-dimensional laser scanning for structure documentation and construction management: A case study of renovation and rebuilt of metro tunnels, *Ain Shams Engineering Journal*, 2024, s.1-10. DOI:10.1016/j.asej.2024.102665
- Stelmaszek Mateusz, Zdroik Przemyslaw, Porter-Sobieraj Joanna : Automated 3D-printing path generation for parts with holes using continuous fibre filament, *Virtual and Physical Prototyping*, 2024, vol. 19, nr 1, s.1-16, Numer artykułu:e2402871. DOI:10.1080/17452759.2024.2402871
- Stilz Maximilian, Breuling Jonas, Eugster Simon [i in.]: Chirality effects in panto-cylindrical structures, *Mathematics and Mechanics of Solids*, 2024. DOI:10.1177/10812865231212145
- Szagała Piotr, Brzeziński Andrzej, Dybicz Tomasz Jacek [i in.]: Problems with Implementation of Sustainable Urban Mobility in Selected Polish Cities, *Sustainability*, 2024, vol. 16, nr 24, Numer artykułu:11003. DOI:10.3390/su162411003
- Szalavetz Andrea, Skala-Gosk Agnieszka : An empty shell? Relocation of central and eastern European startups, virtual headquarters and beyond, *Geoforum*, 2024, nr 154, s.1-12. DOI:10.1016/j.geoforum.2024.104074
- Szewczyk-Łagodzińska Matylda, Oleksiuk Dawid, Kowalczyk Sebastian [i in.]: Multifunctional Block Copolymers, Acting as Recycling Aids, by Atom Transfer Radical Polymerization, *Chemsuschem*, 2024, vol. 17, nr 6, s.1-16, Numer artykułu: e202301232. DOI:10.1002/cssc.202301232
- Szulborski Michał, Łapczyński Sebastian, Kolimas Łukasz [i in.]: Examination of Electrodynamics Forces in High Voltage Disconnectors Related to the Short-Circuit Current Using the Digital Twin Technology, *IEEE Access*, 2024, vol. 12, s.75701 - 75717. DOI:10.1109/ACCESS.2024.3404828
- Szyłak-Szydłowski Mirosław, Kulig Andrzej : Deodorisation of Ventilated Air from a Fat-Processing Plant Using Different Types of Biofilter Fillings and Membranes, *Sustainability*, 2024, vol. 16, nr 5, s.1-12, Numer artykułu:1939. DOI:10.3390/su16051939
- Szymczyk Anna, Popiołek Martyna, Baran Dominika [i in.]: Aptamer and Electrochemical Aptasensor towards Selenate Ions (SeO<sub>4</sub><sup>2-</sup>), *International Journal of Molecular Sciences*, 2024, vol. 25, nr 12, s.1-15, Numer artykułu:6660. DOI:10.3390/ijms25126660
- Śliwińska-Bronowicz Justyna, Kur Tomasz, Wińska Małgorzata [i in.]: Assessment of length-of-day and universal time predictions based on the results of the Second Earth Orientation Parameters Prediction Comparison Campaign, *Journal of Geodesy*, 2024, vol. 98, Numer artykułu:22. DOI:10.1007/s00190-024-01824-7

Śmietana Mateusz Jakub, Burnat Dariusz, Curda Pavel [i in.]: Electro-Optically Modulated Lossy-Mode Resonance—A New Approach for Label-Free Sensing, *ACS Photonics*, 2024, vol. 11, nr 5, s.2061-2069.

DOI:10.1021/acsp Photonics.4c00215

Świrski Konrad, Błach Piotr : Energy Storage Management Using Artificial Intelligence to Maximize Polish Energy Market Profits, *Energies*, 2024, vol. 17, nr 19, s.1-17, Numer artykułu:4855. DOI:10.3390/en17194855

Tempes Aleksandra, Bogusz Karolina, Brzozowska Agnieszka [i in.]: Autophagy initiation triggers p150Glued–AP-2 $\beta$  interaction on the lysosomes and facilitates their transport, *Cellular and Molecular Life Sciences*, 2024, vol. 81, nr 218, s.1-25. DOI:10.1007/s00018-024-05256-6

Tobiasz Piotr, Borys Filip, Kucharska Marta [i in.]: Synthesis and Study of Building Blocks with Dibenzo[b,f]oxepine: Potential Microtubule Inhibitors, *International Journal of Molecular Sciences*, 2024, vol. 25, nr 11, s.1-12, Numer artykułu:6155. DOI:10.3390/ijms25116155

Tomaszewska Paulina, Biecek Przemysław : Position: Do Not Explain Vision Models Without Context, *Proceedings of Machine Learning Research*, 2024, vol. 235, s.48390-48403

Tran Thanh-Nhan-Duc, Do Son Kim, Quang Nguyen Binh [i in.]: Investigating the Future Flood and Drought Shifts in the Transboundary Srepok River basin Using CMIP6 Projections, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 2024, vol. 17, s.7516-7529. DOI:10.1109/jstars.2024.3380514

Trokielewicz Mateusz, Maciejewicz Piotr, Czajka Adam : Post-mortem iris biometrics – Field, applications and methods, *Forensic Science International*, 2024, vol. 365, s.1-4, Numer artykułu:112293.

DOI:10.1016/j.forsciint.2024.112293

Uilhoorn Ferdinand : Model error estimation using pearson system with application to nonlinear waves in compressible flows, *International Journal for Uncertainty Quantification*, 2024, vol. 14, nr 4, s.1-19.

DOI:10.1615/int.j.uncertaintyquantification.2023048277

Urbański Michał, Krawczyk Dominika, Wójcicka Kinga [i in.]: On fuzzy order in fuzzy sets based on t-norm fuzzy arithmetic, *Fuzzy Sets and Systems*, 2024, vol. 487, s.1-13, Numer artykułu:108992. DOI:10.1016/j.fss.2024.108992

Ustrzycka A., Dominguez-Gutierrez F.J., Chromiński Witold : Atomistic analysis of the mechanisms underlying irradiation-hardening in Fe–Ni–Cr alloys, *International Journal of Plasticity*, 2024, vol. 182, s.1-25, Numer artykułu:104118. DOI:10.1016/j.ijplas.2024.104118

Van Erp Tim, Carvalho N.C., Gerolamo Mateus Cecilio [i in.]: Industry 5.0: A new strategy framework for sustainability management and beyond, *Journal of Cleaner Production*, 2024, vol. 461, s.142271:1 - 142271:12.

DOI:10.1016/j.jclepro.2024.142271

Vazquez-Guzman Gerardo, Rodriguez-Cortes Christopher J., Martinez-Rodriguez Panfilo R. [i in.]: Design of a Step-Down Non-Isolated DC-DC n-Cell Converter With a High Reduction Ratio, *IEEE Access*, 2024, vol. 12, s.126601-126610. DOI:10.1109/ACCESS.2024.3438090

Volpi Marina, Paradiso Alessia, Walejewska Ewa [i in.]: Automated Microfluidics-Assisted Hydrogel-Based Wet-Spinning for the Biofabrication of Biomimetic Engineered Myotendinous Junction, *Advanced healthcare materials*, 2024, vol. 13, nr 32, s.1-17, Numer artykułu:2402075. DOI:10.1002/adhm.202402075

Wang Meihui, Chul Kim Yong, Meng Yongqiang [i in.]: Growth Kinetics of Graphene on Cu(111) Foils from Methane, Ethyne, Ethylene, and Ethane, *Angewandte Chemie-International Edition*, 2024, vol. 63, nr 51, s.1-8, Numer artykułu:e202412131. DOI:10.1002/anie.202412131

Weber Philipp, Cai Ling, Rojas Fernando [i in.]: Microfluidic bubble-generator enables digital light processing 3D printing of porous structures, *Aggregate*, 2024, vol. 5, nr 1, s.1-12. DOI:10.1002/agt2.409

Wesoły Małgorzata, Daulton Emma, Jenkins Sascha [i in.]: Early Detection of Fusarium Basal Rot Infection in Onions and Shallots Based on VOC Profiles Analysis, *Journal of Agricultural and Food Chemistry*, 2024, vol. 72, nr 7, s.3664-3672. DOI:10.1021/acs.jafc.3c06569

Węgrzyk Grzegorz, Grzęda Dominik Jan, Bulanda Katarzyna [i in.]: A new method for determining the parameters of mechanical mixing using the example of polyurethane rigid foam synthesis, *Construction and Building Materials*, 2024, vol. 416, s.1-13, Numer artykułu:135205. DOI:10.1016/j.conbuildmat.2024.135205

Wieczorek Maciej, Wodyk Sebastian, Widzińska Joanna [i in.]: Hybrid battery energy storage for light electric vehicle — From lab to real life operation tests, *Journal of Energy Storage*, 2024, vol. 81, s.1-17, Numer artykułu:110545. DOI:10.1016/j.est.2024.110545

- Wierzbicka Anna Maria, Trębacz Paweł, Jóźwik Renata [i in.]: The Conceptualization of a Modular Residential Settlement Project Emerging in a Displacement Situation due to War in the Context of Sustainable Development Requirements, Sustainability, 2024, nr 16, s.1-19. DOI:10.3390/su16145971
- Wierzychowski Kamil, Nowak Bartosz, Kawka Mateusz [i in.]: Effect of Silica Xerogel Functionalization on Intensification of *Rindera graeca* Transgenic Roots Proliferation and Boosting Naphthoquinone Production, Life, 2024, vol. 14, nr 1, s.1-18, Numer artykułu:159. DOI:10.3390/life14010159
- Wierzychowski Kamil, Pilarek Maciej : Disposable rocking bioreactors: recent applications and progressive perspectives, Trends in Biotechnology, 2024, vol. 42, nr 3, s.261-264. DOI:10.1016/j.tibtech.2023.09.003
- Wierzychowski Kamil, Pilarek Maciej : Mass transfer characteristics in disposable rocking bioreactors: A critical review and quantitative data catalogue, Chemical Engineering Journal, 2024, vol. 499, s.1-19, Numer artykułu:155966. DOI:10.1016/j.cej.2024.155966
- Więckowski Mikołaj, Guńka Piotr, Świtalska Natalia [i in.]: N-Alkylisoquinolinium bromides and  $\alpha,\omega$ -alkanediols: eutectic systems with co-crystal formation, Journal of Molecular Liquids, 2024, vol. 398, s.1-11, Numer artykułu:124191. DOI:10.1016/j.molliq.2024.124191
- Wilk Łukasz, Lech P., Klebowski M. [i in.]: Application of a stand-alone RTI measuring system with an integrated camera in cultural heritage digitisation, Journal of Archaeological Science: Reports, 2024, vol. 53, s.1-15. DOI:10.1016/j.jasrep.2023.104318
- Wilkanowicz Sabina, Kao P.-K., Saud K.T. [i in.]: Electrohydrodynamic processing in biodiesel production from waste cooking oil, Fuel, 2024, vol. 373, s.132289-132300. DOI:10.1016/j.fuel.2024.132289
- Winkler Karolina, Kowalczyk Agata, Bereza Paulina [i in.]: Levels of active forms of MMP-1, MMP-2, and MMP-9 as independent prognostic factors for differentiating the stage and type of lung cancer (SCLC and NSCLC), Sensors and Actuators B - Chemical, 2024, vol. 406, s.1-13, Numer artykułu:135421. DOI:10.1016/j.snb.2024.135421
- Wojciechowski Kamil, Baran Klaudia : Surface activity of *Lupinus angustifolius* (blue lupine) seed extracts, Food Chemistry, 2024, vol. 452, s.1-10, Numer artykułu:139592. DOI:10.1016/j.foodchem.2024.139592
- Wojcieszek Justyna, Wojciechowska Izabela Łucja, Dominiczak Jan [i in.]: Printed potentiometric, non-enzymatic sensors based on Zr(IV)-porphyrins for determination of lactate, Sensors and Actuators B - Chemical, 2024, vol. 421, s.1-9, Numer artykułu:136475. DOI:10.1016/j.snb.2024.136475
- Wojeński Andrzej, Zbroszczyk Hanna, Kruszewski Michał [i in.]: Hardware acceleration of complex HEP algorithms with HLS and FPGAs: Methodology and preliminary implementation, Computer Physics Communications, 2024, vol. 295, s.1-21, Numer artykułu:108997. DOI:10.1016/j.cpc.2023.108997
- Wolczyk Maciej, Cupiał Bartłomiej, Ostaszewski Mateusz [i in.]: Fine-tuning Reinforcement Learning Models is Secretly a Forgetting Mitigation Problem, W: Proceedings of the 41st International Conference on Machine Learning, PMLR 235 / Salakhutdinov Ruslan [i in.] (red.), 2024, vol. 235, PMLR, s.53039-53078
- Wölke Christian, Benayad Anass, Lai Thanh-Loan [i in.]: Single Versus Blended Electrolyte Additives: Impact of a Sulfur-Based Electrolyte Additive on Electrode Cross-Talk and Electrochemical Performance of LiNiO<sub>2</sub> | Graphite Cells, Advanced Energy Materials, 2024, vol. 14, nr 36, s.1-15, Numer artykułu:2402152. DOI:10.1002/aenm.202402152
- Wouters Milan, Van Moll Laurence, De Vooght Linda [i in.]: Polymyxin B Peptide Hydrogel Coating: A Novel Approach to Prevent Ventilator-Associated Pneumonia, International Journal of Molecular Sciences, 2024, vol. 25, nr 19, s.1-21, Numer artykułu:10269. DOI:10.3390/ijms251910269
- Woźniak Agnieszka, Kluczek Aldona, Nycz Paweł D. : Approach for Identifying the Impact of Local Wind and Spatial Conditions on Wind Turbine Blade Geometry, International Journal of Energy Research, 2024, vol. 2024, nr 1, s.1-13. DOI:10.1155/2024/7310206
- Wójcik Anna, Chulist Robert, Szewczyk Arkadiusz [i in.]: Microstructure and texture control of Ni-Mn-Ga magnetic shape memory alloys manufactured by laser powder bed fusion, Additive Manufacturing, 2024, vol. 86, s.1-14, Numer artykułu:104225. DOI:10.1016/j.addma.2024.104225
- Wójcik Małgorzata, Szablowski Łukasz, Dybiński Olaf : Comparison of mathematical models of steam methane reforming process for the needs of fuel cells, International Journal of Hydrogen Energy, International Journal of Hydrogen Energy, 2024, vol. 52, nr Part A, s.965-982, Numer artykułu:52. DOI:10.1016/j.ijhydene.2023.08.293
- Wrona Zofia, Ganzha Maria, Paprzycki Marcin [i in.]: Dynamic Knowledge Management in an Agent-Based Extended Green Cloud Simulator, Energies, 2024, vol. 17, nr 4, s.1-26, Numer artykułu:780. DOI:10.3390/en17040780

- Wrotek August, Badyda Artur Jerzy, Jackowska Teresa : Molecular Mechanisms of N-Acetylcysteine in RSV Infections and Air Pollution-Induced Alterations: A Scoping Review, *International Journal of Molecular Sciences*, 2024, vol. 25, nr 11, s.1-25, Numer artykułu:6051. DOI:10.3390/ijms25116051
- Wróblewski Wiktor, Kowalik Ryszard, Januszewski Marcin [i in.]: A Fuzzy OLTC Controller: Applicability in the Transition Stage of the Energy System Transformation, *Energies*, 2024, vol. 17, nr 11, s.1-16. DOI:10.3390/en17112716
- Wu Changying, Wang Y., Tu Limin [i in.]: Permittivity Measurement From 40 to 70 GHz Using a DC FPOR With a Fixed Specimen Holder and an Off-Axial Feed, *IEEE Transactions on Microwave Theory and Techniques*, 2024, s.1-9. DOI:10.1109/tmmt.2023.3337429
- Wysoczańska Monika, Monnier Tom, Trzeciński Tomasz [i in.]: Toward Unsupervised Visual Reasoning: Do Off-the-Shelf Features Know How to Reason?, *IEEE Access*, 2024, vol. 12, s.76367-76378. DOI:10.1109/access.2024.3406261
- Yakovenko Olexiy, Sokolskii Volodymyr, Švec Sr. Peter [i in.]: Fabrication of porous high-entropy Mn-Fe-Co-Ni-Cu-Zn alloys by vapor phase dealloying, *Journal of Alloys and Compounds*, 2024, vol. 1002, s.1-12, Numer artykułu:175312. DOI:10.1016/j.jallcom.2024.175312
- Yevgeniy Naumovich, Jagielski Stanisław, Kupecki Jakub [i in.]: Carbon dioxide capture by direct methanation in co-electrolysis using solid oxide cell, *Sustainable Materials and Technologies*, 2024, vol. 40, s.1-11, Numer artykułu:40. DOI:10.1016/j.susmat.2024.e00944
- Zagrajek Krzysztof, Kłos Mariusz, Rasolomampionona Desire [i in.]: The Novel Approach of Using Electric Vehicles as a Resource to Mitigate the Negative Effects of Power Rationing on Non-Residential Buildings, *Energies*, 2024, vol. 17, nr 1, s.1-35. DOI:10.3390/en17010018
- Zając Olga, Zielinska Magdalena, Żubrowska-Sudoł Monika : Enhancing wastewater treatment efficiency: A hybrid technology perspective with energy-saving strategies, *Bioresource Technology*, 2024, vol. 399, s.1-11, Numer artykułu:130593. DOI:10.1016/j.biortech.2024.130593
- Zając Olga, Żubrowska-Sudoł Monika, Godzieba Martyna [i in.]: Changes in the activity and abundance of canonical nitrifiers and Comammox bacteria during stream switching: Shifting from a mainstream hybrid reactor for C, N, and P removal to a sidestream biofilm nitrification reactor, *Journal of Water Process Engineering*, 2024, vol. 57, s.1-11, Numer artykułu:104655. DOI:10.1016/j.jwpe.2023.104655
- Zang Jianpeng, Wang Jian, Zhang Kai [i in.]: Expertise-informed Bayesian convolutional neural network for oil production forecasting, *Geoenery Science and Engineering*, 2024, vol. 240, s.1-13, Numer artykułu:213061. DOI:10.1016/j.geoen.2024.213061
- Zawadzka Anna, Brzozowska Beata, Matyjanka Anna [i in.]: The Risk Function of Breast and Ovarian Cancers in the Avrami–Dobrzyński Cellular Phase-Transition Model, *International Journal of Molecular Sciences*, 2024, vol. 25, nr 2, s.1-12, Numer artykułu:1352. DOI:10.3390/ijms25021352
- Zboiński Krzysztof, Gołofit-Stawińska Milena : Dynamics of a vehicle in transition curve above critical velocity with focus on hunting motion considering the review of history of the stability studies, *Energies*, 2024, vol. 17, nr 4. DOI:10.3390/en17040967
- Zhang Hangfeng, Kryński Marcin, Fortes A. Dominic [i in.]: Origin of Polarization in Bismuth Sodium Titanate-Based Ceramics, *Journal of the American Chemical Society*, 2024, vol. 146, nr 8, s.5569–5579. DOI:10.1021/jacs.3c13927
- Zhou Xiang, Czekala Piotr, Olszewska-Placha Marzena [i in.]: Understanding microwave heating of oils, *Journal of Food Engineering*, 2024, vol. 375, s.112039. DOI:10.1016/j.jfoodeng.2024.112039
- Zielińska Izabela, Polak Daniel, Jurkiewicz Aleksandra [i in.]: Application of Calcium Carbonate in the Pharmaceutical Removal Process, *Sustainability*, 2024, vol. 16, nr 9, s.1-19, Numer artykułu:3794. DOI:10.3390/su16093794
- Zieliński Sebastian : Evolving Threats, Emerging Laws: Poland's 2023 Answer to the Smishing Challenge, *Computer Law & Security Review*, 2024, vol. 54, s.1-18, Numer artykułu:106013. DOI:10.1016/j.clsr.2024.106013
- Ziembicki Daniel, Seweryn K., Wróblewska Anna : Polish natural language inference and factivity: An expert-based dataset and benchmarks, *Natural Language Engineering*, 2024, vol. 30, nr 2, s.385-416. DOI:10.1017/s1351324923000220
- Zwierzchowski Ryszard, Ziomacka Marlena, Niemyjski Olgierd : The Impact of Thermal Energy Storage on the Emission of Particulate Pollutants into the Atmosphere, *Sustainability*, 2024, vol. 16, nr 24, s.1-21, Numer artykułu:10926. DOI:10.3390/su162410926

Zygmuntowicz Justyna, Kosiorek Magdalena, Piotrkiewicz Paulina [i in.]: Gradient composites Al<sub>2</sub>O<sub>3</sub>-Ni obtained via the CSC technique in a magnetic field - microstructure and mechanical properties., *Journal of Alloys and Compounds*, 2024, vol. 1008, s.1-11, Numer artykułu:176532. DOI:10.1016/j.jallcom.2024.176532

Żółek-Tryznowska Zuzanna, Jeznach Arkadiusz, Bednarczyk Ewa [i in.]: Effect of hydrophobic nano-silica content on the surface properties of corn-starch films, *Industrial Crops and Products*, 2024, vol. 214, s.1-10. DOI:10.1016/j.indcrop.2024.118582

Żychowski Adam, Perrault Andrew, Mańdziuk Jacek\* : Coevolutionary Algorithm for Building Robust Decision Trees under Minimax Regret, W: *Proceedings of 38th AAAI Conference on Artificial Intelligence / Michael Wooldridge, Jennifer Dy, Sriraam Natarajan (red.)*, 2024, vol. 38, nr 19, Washington, DC, USA, AAAI Press, s.21869-21877, ISBN 1-57735-887-2. DOI:10.1609/aaai.v38i19.30188

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