

Nagrodzone publikacje

Abdallah M. S., Kikoła Daniel, Pawłowska Diana [i in.], STAR Collaboration: Tomography of ultrarelativistic nuclei with polarized photon-gluon collisions, *Science advances*, 2023, vol. 9, nr 1, s.1-12, Numer artykułu:eabq3903. DOI:10.1126/sciadv.abq3903

Aboona B. E., Kikoła Daniel, Pawłowska-Szymańska Diana [i in.], STAR Collaboration: Beam Energy Dependence of Fifth- and Sixth-Order Net-Proton Number Fluctuations in Au+Au Collisions at RHIC, *Physical Review Letters*, 2023, vol. 130, nr 8, s.1-8, Numer artykułu:082301. DOI:10.1103/physrevlett.130.082301

Aboona B. E., Kikoła Daniel, Pawłowska-Szymańska Diana [i in.], STAR Collaboration: Measurement of sequential Y suppression in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV with the STAR experiment, *Physical Review Letters*, 2023, vol. 130, nr 11, s.1-8, Numer artykułu:112301. DOI:10.1103/physrevlett.130.112301

Aburatkiewicz Karol : Windowed Two-Dimensional Fourier Transform Concentration and Its Application to ISAR Imaging, *IEEE Transactions on Image Processing*, 2023, vol. 32, s.6260-6273. DOI:10.1109/TIP.2023.3330603

Aburatkiewicz Karol, Drozdowicz Jędrzej, Samczyński Piotr Jerzy : Vertical Synchrosqueezing for High-Resolution Radar Imaging, *IEEE Transactions on Geoscience and Remote Sensing*, 2023, vol. 61, s.1-13. DOI:10.1109/TGRS.2023.3331406

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: Enhanced Deuteron Coalescence Probability in Jets, *Physical Review Letters*, 2023, vol. 131, nr 4, s.1-14, Numer artykułu:042301. DOI:10.1103/PhysRevLett.131.042301

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: First Measurement of Antideuteron Number Fluctuations at Energies Available at the Large Hadron Collider, *Physical Review Letters*, 2023, vol. 131, nr 4, s.1-12, Numer artykułu:041901. DOI:10.1103/PhysRevLett.131.041901

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: Measurement of the J/ψ Polarization with Respect to the Event Plane in Pb-Pb Collisions at the LHC, *Physical Review Letters*, 2023, vol. 131, nr 4, s.1-13, Numer artykułu:042303. DOI:10.1103/PhysRevLett.131.042303

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: Measurement of the Lifetime and Λ Separation Energy of $H\Lambda 3$, *Physical Review Letters*, 2023, vol. 131, nr 10, s.1-13, Numer artykułu:102302. DOI:10.1103/PhysRevLett.131.102302

Acharya S., Deja Kamil, Dubiński Jan [i in.], ALICE Collaboration: Measurements of Groomed-Jet Substructure of Charm Jets Tagged by $D0$ Mesons in Proton-Proton Collisions at $s=13$ TeV, *Physical Review Letters*, 2023, vol. 131, nr 19, s.1-13, Numer artykułu:192301. DOI:10.1103/physrevlett.131.192301

Adamek Jan, Marek-Urban Paulina, Woźniak Krzysztof [i in.]: Highly electron-deficient 3,6-diaza-9-borafluorene scaffolds for the construction of luminescent chelate complexes, *Chemical Science*, 2023, vol. 14, nr 43, s.12133-12142. DOI:10.1039/d3sc03876a

Appiah Williams Agyei, Stark Anna, Lysgaard Steen [i in.]: Unveiling the plating-stripping mechanism in aluminum batteries with imidazolium-based electrolytes: A hierarchical model based on experiments and ab initio simulations, *Chemical Engineering Journal*, 2023, vol. 472, s.1-10, Numer artykułu:144995. DOI:10.1016/j.cej.2023.144995

Barresi Andrea, Boulet Antoine, Magierski Piotr [i in.]: Dissipative Dynamics of Quantum Vortices in Fermionic Superfluid, *Physical Review Letters*, 2023, vol. 130, nr 4, s.1-7, Numer artykułu:043001. DOI:10.1103/physrevlett.130.043001

Ben Amara H., Martinez Guerrero Diana Clemencia , Shah Furqan A. [i in.]: Magnesium implant degradation provides immunomodulatory and proangiogenic effects and attenuates peri-implant fibrosis in soft tissues, *Bioactive Materials*, 2023, vol. 26, s.353-369. DOI:10.1016/j.bioactmat.2023.02.014

Borowska (Bartosiak) Magdalena, Jiménez-Lamana J., Bierla Katarzyna [i in.]: A green and fast microwave-assisted synthesis of selenium nanoparticles and their characterization under gastrointestinal conditions using mass spectrometry, *Food Chemistry*, 2023, vol. 417, s.1-11, Numer artykułu:135864. DOI:10.1016/j.foodchem.2023.135864

Bury Dominika, Jakubczak Michał, Bogacki Jan [i in.]: Wastewater Treatment with the Fenton Process. Principles and Applications, *Emerging Materials and Technologies*, 2023, Taylor & Francis Group, 214 s., ISBN 9781032359014. DOI:10.1201/9781003364085

Bury Dominika, Jakubczak Michał, Purbayanto Muhammad Abiyyu Kenichi [i in.]: Wet-Chemical Etching and Delamination of MoAlB into MBene and Its Outstanding Photocatalytic Performance, *Advanced Functional Materials*, 2023, vol. 33, nr 50, s.1-11, Numer artykułu:2308156. DOI:10.1002/adfm.202308156

Chmielewski Marcin, Zybala Rafał, Strojny-Nędza Agata [i in.]: Microstructural Evolution of Ni-SiC Composites Manufactured by Spark Plasma Sintering, *Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science*, 2023, vol. 54, nr 6, s.2191-2207. DOI:10.1007/s11661-023-06999-w

Ćwieka Karol, Bojarska Zuzanna, Czelej Kamil [i in.]: Zero carbon footprint hydrogen generation by photoreforming of methanol over Cu/TiO₂ nanocatalyst, *Chemical Engineering Journal*, 2023, vol. 474, s.1-11, Numer artykułu:145687. DOI:10.1016/j.cej.2023.145687

Dąbkowska-Suszał Katarzyna : Influence of Tween 80 on enzymatic hydrolysis of corn straw integrated with membrane separation, *Industrial Crops and Products*, 2023, vol. 203, Numer artykułu:117132. DOI:10.1016/j.indcrop.2023.117132

Dąbrowiecki Piotr, Chciałowski Andrzej, Dąbrowiecka Agata [i in.]: Air pollution and long-term risk of hospital admission due to chronic obstructive pulmonary disease exacerbations in Poland: a time-stratified, case-crossover study, *Polskie Archiwum Medycyny Wewnętrznej*, 2023, vol. 133, nr 7-8, s.1-7. DOI:10.20452/pamw.16444

Dominguez Ismel, Corres Jesus, Del Villar Ignacio [i in.]: Electrochemical lossy mode resonance for detection of manganese ions, *Sensors and Actuators B - Chemical*, 2023, vol. 394, nr 1 November, s.1-10, Numer artykułu:134446. DOI:10.1016/j.snb.2023.134446

Domitr Paweł, Włostowski Mateusz, Laskowski Rafał [i in.]: Comparison of inverse uncertainty quantification methods for critical flow test, *Energy*, 2023, vol. 263 part A, Numer artykułu:125640. DOI:10.1016/j.energy.2022.125640

Drozdowska Katarzyna, Rehman Adil, Smulko Janusz [i in.]: Enhanced gas sensing by graphene-silicon Schottky diodes under UV irradiation, *Sensors and Actuators B - Chemical*, 2023, vol. 396, s.1-9. DOI:10.1016/j.snb.2023.134586

El-Atwani Osman, Vo Hi T., Lee C. [i in.]: A quinary WTaCrVHf nanocrystalline refractory high-entropy alloy withholding extreme irradiation environments, *Nature Communications*, 2023, vol. 14, nr 1, s.1-12. DOI:10.1038/s41467-023-38000-y

Fedorov Mark, Wróbel Jan, Chromiński Witold [i in.]: Composition stability of single fcc phase in Cr-Fe-Mn-Ni alloys: First-principles prediction and experimental validation, *Acta Materialia*, 2023, vol. 255, s.1-14, Numer artykułu:119047. DOI:10.1016/j.actamat.2023.119047

Ficek Mateusz, Cieślak M., Janik Monika [i in.]: Boron-doped diamond nanosheet volume-enriched screen-printed carbon electrodes: a platform for electroanalytical and impedimetric biosensor applications, *Microchimica Acta*, 2023, vol. 190, nr 10, s.1-14, Numer artykułu:410. DOI:10.1007/s00604-023-05991-w

Gambrych Jacek, Gromek Damian, Abratkiewicz Karol [i in.]: SAR and Orthophoto Image Registration with Simultaneous SAR-based Altitude Measurement for Airborne Navigation Systems, *IEEE Transactions on Geoscience and Remote Sensing*, 2023, vol. 61, s.1-14. DOI:10.1109/TGRS.2023.3327090

Gryciuk Aleksander, Rogalska Marta, Baran Joanna [i in.]: Oncolytic Adenoviruses Armed with Co-Stimulatory Molecules for Cancer Treatment, *Cancers*, 2023, vol. 15, nr 7, s.1-24, Numer artykułu:1947. DOI:10.3390/cancers15071947

Grzenda Maciej, Kaźmierczak Stanisław, Luckner Marcin [i in.]: Evaluation of machine learning methods for impostor detection in web applications, *Expert Systems with Applications*, 2023, vol. 231, s.1-15, Numer artykułu:120736.
DOI:10.1016/j.eswa.2023.120736

Grzeszczyk Tadeusz A. : Using the Random Forest-Based Research Method for Prioritizing Project Stakeholders, 2023, SAGE Publications, 26 s., ISBN 978-15-2966-940-4.
DOI:10.4135/9781529669404

Guene Lougou Bachirou, Wu Lianxuan, Ma Danni [i in.]: Efficient conversion of solar energy through a macroporous ceramic receiver coupling heat transfer and thermochemical reactions, *Energy*, 2023, vol. 271, s.1-16, Numer artykułu:126989.
DOI:10.1016/j.energy.2023.126989

Hansen Jens Ulrik, Quinon Paula : The importance of expert knowledge in big data and machine learning, *Synthese*, 2023, vol. 201, nr 2, s.1-21, Numer artykułu:35.
DOI:10.1007/s11229-023-04041-5

Harasimczuk Michał, Kopacz Rafał, Tomaszuk Adam : Lossless Clamp Circuit with Turn-off Voltage and Current Reduction in High Step-up DC/DC Converter with Coupled Inductor, *IEEE Transactions on Power Electronics*, 2023, s.1-13. DOI:10.1109/tpel.2023.3327064

He Liang, Tao Mengzhe, Liu Zhuang [i in.]: Biomass valorization toward sustainable asphalt pavements: Progress and prospects, *Waste Management*, 2023, vol. 165, s.159-178.
DOI:10.1016/j.wasman.2023.03.035

Huschner Franz, Głowacka-Walas Jagoda, Mills James D. [i in.]: Molecular EPISTOP, a comprehensive multi-omic analysis of blood from Tuberous Sclerosis Complex infants age birth to two years, *Nature Communications*, 2023, vol. 14, nr 1, s.1-15, Numer artykułu:7664. DOI:10.1038/s41467-023-42855-6

Ivanova Polina, Drozd Marcin, Michrowski Kamil [i in.]: Au-X (X=Pt/Ru)-decorated magnetic nanocubes as bifunctional nanozyme labels in colorimetric, magnetically-enhanced, one-step sandwich CRP immunoassay, *Biosensors & Bioelectronics*, 2023, vol. 237, s.1-10, Numer artykułu:115511. DOI:10.1016/j.bios.2023.115511

Jałowiecka Monika, Bojarska Zuzanna, Małolepszy Artur [i in.]: Mass transport enhancement in direct formic acid fuel cell with a novel channel design, *Chemical Engineering Journal*, 2023, vol. 451, nr Part 1, s.1-14, Numer artykułu:138474.
DOI:10.1016/j.cej.2022.138474

Janowska-Renkas Elżbieta, Zdrojek Mariusz, Kozioł Michał [i in.]: Effect of composition of geopolymer composites containing fly ash and waste glass powder on their durability and resistivity demonstrated in presence of a nanocarbon additive in a form of graphene, *Measurement*, 2023, vol. 211, s.1-15, Numer artykułu:112616.
DOI:10.1016/j.measurement.2023.112616

Jewett Maggie E., Hiraki Harrison L., Wojasiński Michał [i in.]: Rapid Magnetically Directed Assembly of Pre-Patterned Capillary-Scale Microvessels, *Advanced Functional Materials*, 2023, vol. 33, nr 40, s.1-13, Numer artykułu:2203715. DOI:10.1002/adfm.202203715

Karwowski Jan, Mańdziuk Jacek, Żychowski Adam : Sequential Stackelberg Games with bounded rationality, *Applied Soft Computing*, 2023, vol. 132, s.1-18, Numer artykułu:109846. DOI:10.1016/j.asoc.2022.109846

Kasprzak Artur, Matczuk Magdalena, Sakurai Hidehiro : A sumanene-containing magnetic nanoadsorbent for the removal of caesium salts from aqueous solutions, *Chemical Communications*, 2023, vol. 59, nr 63, s.9591-9594. DOI:10.1039/d3cc02657d

Kaźmierski Bartosz Grzegorz, Kapusta Łukasz : The importance of individual spray properties in performance improvement of a urea-SCR system employing flash-boiling injection, *Applied Energy*, 2023, vol. 329, s.1-14, Numer artykułu:120217.
DOI:10.1016/j.apenergy.2022.120217

Kępnia Maja, Prochoń Piotr, Piątkiewicz Wojciech : Air entrance additive effect on geopolymer mortar thermal conductivity, *Cement Wapno Beton*, 2023, vol. 28, nr 3, s.186-193. DOI:10.32047/cwb.2023.28.3.4

Kowalczyk Agata, Nisiewicz Monika K., Bamburowicz-Klimkowska Magdalena [i in.]: Effective voltammetric tool for simultaneous detection of MMP-1, MMP-2, and MMP-9; important non-small cell lung cancer biomarkers, *Biosensors & Bioelectronics*, 2023, vol. 229, s.1-12, Numer artykułu:115212. DOI:10.1016/j.bios.2023.115212

Kowalik Patrycja, Bujak Piotr, Penkala Mateusz [i in.]: Ag–In–Zn–S Quaternary Nanocrystals Prepared from InCl₂ Precursor: Photophysical and Spectroscopic Properties and Application as Visible Light Photocatalysts of Aromatic Aldehyde Photoreduction, *Chemistry of Materials*, 2023, vol. 35, nr 16, s.6447-6462. DOI:10.1021/acs.chemmater.3c01199

Kuczyńska-Zemła Donata, Pura Jarosław, Przybyszewski Bartłomiej [i in.]: A comparative study of apatite growth and adhesion on a laser-functionalized titanium surface, *Tribology International*, 2023, vol. 182, s.1-9, Numer artykułu:108338. DOI:10.1016/j.triboint.2023.108338

Kukulski Jacek, Lewczuk Konrad, Góra Ignacy [i in.]: Methodological aspects of risk mapping in multimode transport systems, *Eksploatacja i Niezawodność*, 2023, vol. 25, nr 1, s.1-11. DOI:10.17531/ein.2023.1.19

Kułakowski Tomasz, Heim Dariusz, Knera Dominika : Full-scale validation of PCM-window energy model using the coupled thermo-optical approach, *Building and Environment*, 2023, nr 245, s.1-12, Numer artykułu:110923. DOI:10.1016/j.buildenv.2023.110923

Kułakowski Tomasz, Węglarz Arkadiusz, Heim Dariusz : An optimisation study of PCM triple glazing for temperate climatic conditions – Dynamic analysis of thermal performance, *Energy*, 2023, vol. 283, Numer artykułu:128361. DOI:10.1016/j.energy.2023.128361

Kuzdrański Adam, Miśkiewicz Marek, Szczerba Hubert [i in.]: Unlocking the potential of DNA-based tagging: current market solutions and expanding horizons, *Nature Communications*, 2023, vol. 14, nr 1, s.1-7, Numer artykułu:6052. DOI:10.1038/s41467-023-41728-2

Kwatek Konrad, Ślubowska-Walkusz Wioleta, Kwiatkowska Ewa [i in.]: Lithium mobility along conduction channels of ceramic LiTa₂PO₈, *Journal of the European Ceramic Society*, 2023, vol. 43, nr 13, s.5548-5556. DOI:10.1016/j.jeurceramsoc.2023.05.013

Kwieciński Krystian , Słyk Jan : Interactive generative system supporting participatory house design, *Automation in Construction*, 2023, nr 145, s.1-15. DOI:10.1016/j.autcon.2022.104665

Lapitan Lorico Jr, Pietrzak Mariusz, Krawczyk Marek [i in.]: Serum biomarkers and ultrasensitive biosensors for diagnosis of early-stage hepatocellular carcinoma, *Sensors and Actuators B - Chemical*, 2023, vol. 393, s.1-39, Numer artykułu:134209. DOI:10.1016/j.snb.2023.134209

Laska Aleksandra, Szkodo Marek, Cavaliere Pasquale [i in.]: Analysis of Residual Stresses and Dislocation Density of AA6082 Butt Welds Produced by Friction Stir Welding, *Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science*, 2023, vol. 54, nr A, s.211-225. DOI:10.1007/s11661-022-06862-4

Łukawski Damian, Hochmańska-Kaniewska Patrycja, Janiszewska-Latterini Dominika [i in.]: Functional materials based on wood, carbon nanotubes, and graphene: manufacturing, applications, and green perspectives, *Wood Science and Technology*, 2023, vol. 57, nr 5, s.989-1037. DOI:10.1007/s00226-023-01484-4

Majcher Jacek, Kafarski M., Szyplowska A. [i in.]: Prototype of a sensor for measuring moisture of a single rapeseed (*Brassica napus* L.) using microwave reflectometry, *Measurement*, 2023, vol. 214, s.1-9. DOI:10.1016/j.measurement.2023.112787

Maknun L., Kińska K., González-Álvarez Iván [i in.]: Quantitative Determination of Iron–Siderophore Complexes in Peat by Isotope-Exchange Size-Exclusion UPLC–Electrospray Ionization High-Resolution Accurate Mass (HRAM) Mass Spectrometry, *Analytical Chemistry*, 2023, vol. 95, nr 24, s.9182-9190. DOI:10.1021/acs.analchem.3c00122

Markowski Mariusz, Urbaniec Krzysztof, Suchecki Witold [i in.]: Improved energy recovery from the condensed steam as part of HEN retrofit, *Energy*, 2023, vol. 270, s.126727. DOI:10.1016/j.energy.2023.126727

Marques Muniz A. L., Wu Fan, Jung Paweł [i in.]: Observation of photon-photon thermodynamic processes under negative optical temperature conditions, *Science*, 2023, vol. 379, nr 6636, s.1019-1023. DOI:10.1126/science.ade6523

Martinez Guerrero Diana Clemencia , Dobkowska Anna, Marek Romy [i in.]: In vitro and in vivo degradation behavior of Mg-0.45Zn-0.45Ca (ZX00) screws for orthopedic applications, *Bioactive Materials*, 2023, vol. 28, s.132-154. DOI:10.1016/j.bioactmat.2023.05.004

Martsinchyk Aliaksandr, Milewski Jarosław, Dybiński Olaf [i in.]: Experimental investigation of novel molten borate fuel cell supported by an artificial neural network for electrolyte composition selection, *Energy*, 2023, vol. 279, s.1-11, Numer artykułu:127921. DOI:10.1016/j.energy.2023.127921

Matej Jan, Orliński Piotr : New possibilities to reduce wheel and rail wear in the operation of metro wagons on curved track with small curve radii without considering propulsion and braking systems, *Eksploracja i Niezawodność*, 2023, vol. 25, nr 1, s.1-9. DOI:10.17531/ein.2023.1.15

Materek Kalina, Wieczorek Alicja, Łukowski Paweł [i in.]: The influence of internal hydrophobization using organosilicon admixture on the performance and the durability of concrete, *Cement Wapno Beton*, 2023, vol. 4, nr 28, s.225-237. DOI:10.32047/CWB.2023.28.4.2

Maćzak Jędrzej, Więclawski Krzysztof, Szczurowski Krzysztof : New approach of model based detection of early stages of fuel injector failures, *Eksploracja i Niezawodność*, 2023, vol. 25, nr 1, s.1-10. DOI:10.17531/ein.2023.1.6

Melnik Rafał , Koziak Seweryn, Dižo Ján [i in.]: Feasibility study of a rail vehicle damper fault detection by artificial neural networks, *Eksploracja i Niezawodność*, 2023, vol. 25, nr 1, s.1-11. DOI:10.17531/ein.2023.1.5

Mikos-Nuszkiewicz Natalia, Furmański Piotr, Łapka Piotr : A mathematical model of charging and discharging processes in a thermochemical energy storage reactor using the hydrated potassium carbonate as a thermochemical material, *Energy*, 2023, vol. 263, s.1-16, Numer artykułu:125642. DOI:10.1016/j.energy.2022.125642

Milczarek Michał, Jarzabek Dariusz, Jencyk Piotr [i in.]: Novel paradigm in AFM probe fabrication: Broadened range of stiffness, materials, and tip shapes, *Tribology International*, 2023, vol. 180, s.108308. DOI:10.1016/j.triboint.2023.108308

Milewski Jarosław, Janusz Zdeb, Szczęśniak Arkadiusz [i in.]: Concept of a solid oxide electrolysis-molten carbonate fuel cell hybrid system to support a power-to-gas installation, *Energy Conversion and Management*, 2023, vol. 276, s.1-14, Numer artykułu:276. DOI:10.1016/j.enconman.2022.116582

Myronov Oleksandr, Mazzocco Giovanni, Król Paulina [i in.]: BERTrand—peptide:TCR binding prediction using Bidirectional Encoder Representations from Transformers augmented with random TCR pairing, *Bioinformatics*, 2023, vol. 39, nr 8, s.1-9. DOI:10.1093/bioinformatics/btad468

Nápoles Gonzalo, Hoitsma Fabian, Knobens Andreas [i in.]: Prolog-based agnostic explanation module for structured pattern classification, *Information Sciences*, 2023, vol. 622, s.1196-1227. DOI:10.1016/j.ins.2022.12.012

Olszewski Dominik : An asymmetric topology-preserving Neighborhood Retrieval Visualizer, *Expert Systems with Applications*, 2023, vol. 225, s.1-19. DOI:10.1016/j.eswa.2023.120175

Pękał Marcin, Wojtyra Marek : Constraint-matrix-based method for reaction and driving forces uniqueness analysis in overconstrained or overactuated multibody systems, *Mechanism and Machine Theory*, 2023, vol. 188, s.1-27, Numer artykułu:105368. DOI:10.1016/j.mechmachtheory.2023.105368

Pituła Emil, Janik Monika, Sezemsky Petr [i in.]: Smartphone-based dynamic measurements of electro-optically modulated lossy-mode resonance and its biosensing applications, *Measurement*, 2023, vol. 206, nr January, s.1-9, Numer artykułu:112349. DOI:10.1016/j.measurement.2022.112349

Przeździecki Karol Michał, Zawadzki Jarosław, Urbaniak Marek [i in.]: Using temporal variability of land surface temperature and normalized vegetation index to estimate soil moisture condition on forest areas by means of remote sensing, *Ecological Indicators*, 2023, vol. 148, s.1-11, Numer artykułu:110088. DOI:10.1016/j.ecolind.2023.110088

Purbayanto Muhammad Abiyyu Kenichi, Bury Dominika, Chandel Madhurya [i in.]: Ambient Processed rGO/Ti3CNTx MXene Thin Film with High Oxidation Stability, Photosensitivity, and Self-Cleaning Potential, *ACS Applied Materials & Interfaces*, 2023, vol. 15, nr 37, s.44075-44086. DOI:10.1021/acsami.3c07972

Purbayanto Muhammad Abiyyu Kenichi, Chandel Madhurya, Birowska Magdalena [i in.]: Optically Active MXenes in Van der Waals Heterostructures, *Advanced Materials*, 2023, s.1-24, Numer artykułu:2301850. DOI:10.1002/adma.202301850

Rengin Aslanoglu, Kazak Jan K., Yekanielibeiglou Sepideh [i in.]: An international survey on residential lighting: Analysis of summer-term results, *Building and Environment*, 2023. DOI:10.1016/j.buildenv.2022.109972

Sai Pavlo, Korotyeyev V. V., Dub Maksym [i in.]: Electrical Tuning of Terahertz Plasmonic Crystal Phases, *Physical Review X*, 2023, vol. 13, nr 4. DOI:10.1103/PhysRevX.13.041003

Sezemsky Petr, Koba Marcin*, Curda Pavel [i in.]: Electro-optical transducer based on indium-tin-oxide-coated optical fiber for analysis of ionized media, *Measurement*, 2023, vol. 212, s.1-8, Numer artykułu:112695. DOI:10.1016/j.measurement.2023.112695

Sitek Jakub, Czerniak-Łosiewicz Karolina, Gertych Arkadiusz P. [i in.]: Selective Growth of van der Waals Heterostructures Enabled by Electron-Beam Irradiation, *ACS Applied Materials & Interfaces*, 2023, vol. 15, nr 28, s.33838-33847. DOI:10.1021/acsami.3c02892

Skowron Bartłomiej, Król Zbigniew, Kąkol Tomasz : The topology of persons, and surviving to some degree, *Synthese*, 2023, nr 202, s.1-37, Numer artykułu:190. DOI:10.1007/s11229-023-04406-w

Steczek Marcin, Jefimowski Włodzimierz, Maciołek Tadeusz [i in.]: Analysis of Energy Losses in the Novel Distributed Power Supply System for Trams, *IEEE Transactions on Transportation Electrification*, 2023, vol. 9, nr 1, s.1-1. DOI:10.1109/tte.2022.3165702

Szatkowski Filip, Pyla Mateusz, Przewięźlikowski Marcin [i in.]: Adapt Your Teacher: Improving Knowledge Distillation for Exemplar-free Continual Learning, W: *Proceedings of the IEEE/CVF International Conference on Computer Vision Workshops (ICCVW 2023)*, 2023, Institute of Electrical and Electronics Engineers, s.1-6, ISBN 979-8-3503-0744-3. DOI:10.1109/iccvw60793.2023.00377

Szczęsna-Chrzan Anna, Vogler Monika, Yan Peng [i in.]: Ionic conductivity, viscosity, and self-diffusion coefficients of novel imidazole salts for lithium-ion battery electrolytes, *Journal of Materials Chemistry A: materials for energy and sustainability*, 2023, vol. 11, nr 25, s.13483-13492. DOI:10.1039/d3ta01217d

Szczeńsiak Arkadiusz, Milewski Jarosław, Dybiński Olaf [i in.]: Dynamic simulation of a four tank 200 m³ seasonal thermal energy storage system oriented to air conditioning at a dietary supplements factory, *Energy*, 2023, vol. 264, s.1-2, Numer artykułu:126106. DOI:10.1016/j.energy.2022.126106

Szypłowska A., Lewandowski Arkadiusz, Kafarski M. [i in.]: Influence of Temperature on Soil Dielectric Spectra in the 20 MHz–3 GHz Frequency Range, *IEEE Transactions on Geoscience and Remote Sensing*, 2023, vol. 61, s.1-10. DOI:10.1109/tgrs.2023.3313235

Tańska Joanna, Wieciński Piotr, Kukielski Michał [i in.]: Coordination complexes as substitutes for metallic powders in ceramic-matrix-composites manufactured by aqueous colloidal processing: Enhanced fracture toughness and quantitative microstructure analysis, *Journal of the European Ceramic Society*, 2023, vol. 44, nr 1, s.341-352.

DOI:10.1016/j.jeurceramsoc.2023.08.059

Urban Mateusz, Marek-Urban Paulina, Durka Krzysztof [i in.]: TADF Invariant of Host Polarity and Ultralong Fluorescence Lifetimes in a Donor-Acceptor Emitter Featuring a Hybrid Sulfone-Triarylboron Acceptor**, *Angewandte Chemie-International Edition*, 2023, vol. 62, nr 9, s.1-10, Numer artykułu:e202217530. DOI:10.1002/anie.202217530

Uścińowicz Piotr, Bogdan Anna, Szyłak-Szydłowski Mirosław [i in.]: Subjective assessment of indoor air quality and thermal environment in patient rooms: A survey study of Polish hospitals, *Building and Environment*, 2023, vol. 228, s.1-11, Numer artykułu:109840.

DOI:10.1016/j.buildenv.2022.109840

Van Landeghem Jordy, Tito Rubèn, Borchmann Łukasz [i in.]: Document Understanding Dataset and Evaluation (DUDE), W: 2023 IEEE/CVF International Conference on Computer Vision - ICCV 2023. Proceedings, 2023, Institute of Electrical and Electronics Engineers, s.19528-19540, ISBN 979-8-3503-0718-4 . DOI:10.1109/ICCV51070.2023.01789

Walczak Justyna, Dzido Aleksandra, Jankowska Honorata [i in.]: Effects of various rotational speeds of hydrodynamic disintegrator on carbon, nutrient, and energy recovery from sewage sludge, *Water Research*, 2023, vol. 243, s.1-11, Numer artykułu:120365.

DOI:10.1016/j.watres.2023.120365

Walczak Justyna, Karolinczak Beata, Żubrowska-Sudoł Monika : Effect of co-digestion and hydrodynamic disintegration on the methane potential of sewage sludge and organic fraction of municipal solid waste with consideration of the carbon footprint, *Energy*, 2023, vol. 282, s.1-12, Numer artykułu:128949. DOI:10.1016/j.energy.2023.128949

Wang S., Wang Fuyu, Qiao Sibo [i in.]: MSHGANMDA: Meta-Subgraphs Heterogeneous Graph Attention Network for miRNA-Disease Association Prediction, *IEEE Journal of Biomedical and Health Informatics*, 2023, vol. 27, nr 10, s.4639 - 4648, Numer artykułu:35759606. DOI:10.1109/JBHI.2022.3186534

Wdowiak Emilia, Ziemczonok Michał, Martinez-Carranza Juan [i in.]: Phase-assisted multi-material two-photon polymerization for extended refractive index range, *Additive Manufacturing*, 2023, vol. 73, s.1-9, Numer artykułu:103666.

DOI:10.1016/j.addma.2023.103666

Wesoły Małgorzata*, Przewodowski Włodzimierz, Ciosek-Skibińska Patrycja : Electronic noses and electronic tongues for the agricultural purposes, *Trac-Trends in Analytical Chemistry*, 2023, vol. 164, s.1-22, Numer artykułu:117082. DOI:10.1016/j.trac.2023.117082

Wiśniewski Tomasz : Experimental study of contacting surfaces microgeometry and gas gap impact on thermal contact conductance of metallic joints, *International Journal of Heat and Mass Transfer*, 2023, vol. 200, s.1-11, Numer artykułu:123511.

DOI:10.1016/j.ijheatmasstransfer.2022.123511

Wlazłowski Gabriel, Xhani Klejdja, Tylutki Marek [i in.]: Dissipation Mechanisms in Fermionic Josephson Junction, *Physical Review Letters*, 2023, vol. 130, nr 2, s.1-7, Numer artykułu:023003. DOI:10.1103/physrevlett.130.023003

Własnowolski Michał, Grabowski Paweł, Roszczyk Damian [i in.]: cudaMMC: GPU-enhanced multiscale Monte Carlo chromatin 3D modelling, *Bioinformatics*, 2023, vol. 39, nr 10, s.1-4. DOI:10.1093/bioinformatics/btad588

Woliński Łukasz, Wojtyra Marek : An inverse kinematics solution with trajectory scaling for redundant manipulators, *Mechanism and Machine Theory*, 2023, vol. 191, s.1-19, Numer artykułu:105493. DOI:10.1016/j.mechmachtheory.2023.105493

Wolska-Pietkiewicz Małgorzata, Jędrzejewska Maria, Tokarska Katarzyna [i in.]: Towards Bio-Safe and Easily Redispersible Bare ZnO Quantum Dots Engineered via Organometallic Wet-Chemical Processing, *Chemical Engineering Journal*, 2023, vol. 455, s.140497-140502. DOI:10.1016/j.cej.2022.140497

Wołoskiuk Jeremiasz, Świechowski Maciej*, Mańdziuk Jacek : Don't Predict Counterfactual Values, Predict Expected Values Instead, W: Proceedings of the 37th AAAI Conference on Artificial Intelligence. Vol. 37 No. 4: AAAI-23 Technical Tracks 4 / Williams Brian, Chen Yiling, Neville Jennifer (red.), 2023, Washington, DC, USA, AAAI Press, s.5303-5311, ISBN 978-1-57735-880-0. DOI:10.1609/aaai.v37i4.25661

Wołowicz Marcin, Fahad Alkasmoul, Mohammed Asaker [i in.]: Multigeneration source based on novel triple-component chiller configuration co-supplied with renewable and fossil energy operated in Arabic Peninsula conditions, Energy, 2023, vol. 263, s.1-12, Numer artykułu:125738. DOI:10.1016/j.energy.2022.125738

Yue Yajun, Dziągielewska Aleksandra, Zhang Man [i in.]: Local Structure in α -BIMEVOXes (ME = Ge, Sn), Chemistry of Materials, 2023, vol. 35, nr 1, s.189-206. DOI:10.1021/acs.chemmater.2c03001

Zabielska Aleksandra, Jacyna Marianna, Lasota Michał [i in.]: Evaluation of the efficiency of the delivery process in the technical object of transport infrastructure with the application of a simulation model, Eksploatacja i Niezawodność, 2023, vol. 25, nr 1, s.1-13. DOI:10.17531/ein.2023.1.1

Zalcewicz Anna : New Technologies in the Control of Public Finances and Building Public Confidence in the State, Białostockie Studia Prawnicze, 2023, vol. 28, nr 2, s.23-35. DOI:10.15290/bsp.2023.28.02.02

Zou Faxing, Meng Haoye, Ma Mengjiao [i in.]: Synergistic strategy constructed novel double-network scaffolds with active micro-environment pH stabilization and M2-macrophage polarization for cartilage defect repair, Composites Part B-Engineering, 2023, vol. 258, s.1-12, Numer artykułu:110709. DOI:10.1016/j.compositesb.2023.110709

Zygmuntowicz Justyna, Wiecińska Paulina, Wachowski Marcin [i in.]: Thermogravimetric analysis coupled with mass spectrometry of ceramic-metal ternary composites Al₂O₃-Cu-Mo, Measurement, 2023, vol. 217, s.1-12, Numer artykułu:113049. DOI:10.1016/j.measurement.2023.113049

Żrodowski Łukasz, Wróblewski Rafał, Leonowicz Marcin [i in.]: How to control the crystallization of metallic glasses during laser powder bed fusion? Towards part-specific 3D printing of in situ composites, Additive Manufacturing, 2023, vol. 76, s.1-40, Numer artykułu:103775. DOI:10.1016/j.addma.2023.103775

Żurawski Mateusz, Graczykowski Cezary, Zalewski Robert : The prototype, mathematical model, sensitivity analysis and preliminary control strategy for Adaptive Tuned Particle Impact Damper, Journal of Sound and Vibration, 2023, vol. 564, s.1-32, Numer artykułu:117799. DOI:10.1016/j.jsv.2023.117799
