Rozstrzygnięcie konkursu Best Paper 2023

lp.	Tytuł publikacji
1.	Acharya S., Deja Kamil, Graczykowski Łukasz [i in.], ALICE Collaboration: Direct observation of the dead-cone effect in quantum chromodynamics, Nature, 2022, vol. 605, nr 7910, s.440-446. DOI:10.1038/s41586-022-04572-w
2.	Acharya S., Deja Kamil, Graczykowski Łukasz [i in.], ALICE Collaboration: Measurement of Prompt D0, Λc+, and Σc0, ++ (2455) Production in Proton-Proton Collisions at √s = 13 TeV, Physical Review Letters, 2022, vol. 128, nr 1, s.1-13. DOI:10.1103/PhysRevLett.128.012001
3.	Acharya S., Deja Kamil, Graczykowski Łukasz [i in.], A Large Ion Collider Experiment Collaboration: Hypertriton Production in p -Pb Collisions at sNN =5.02 TeV, Physical Review Letters, 2022, vol. 128, nr 25, s.1-13, Numer artykułu:252003. DOI:10.1103/PhysRevLett.128.252003
4.	Acharya S., Deja Kamil, Graczykowski Łukasz [i in.], A Large Ion Collider Experiment Collaboration: Measurement of the Groomed Jet Radius and Momentum Splitting Fraction in pp and Pb-Pb Collisions at $\sqrt{s_{NN}} =5.02 TeV$, Physical Review Letters, 2022, vol. 128, nr 10, s.1-14, Numer artykułu:102001. DOI:10.1103/PhysRevLett.128.102001
5.	Acharya S., Deja Kamil, Graczykowski Łukasz [i in.], ALICE Collaboration: Polarization of Λ and ¯Λ Hyperons along the Beam Direction in Pb-Pb Collisions at √sNN=5.02 TeV, Physical Review Letters, 2022, vol. 128, nr 17, s.1-13, Numer artykułu:172005. DOI:10.1103/PhysRevLett.128.172005
6.	Abdallah M.S., Kikoła Daniel, Pawłowska Diana [i in.], STAR Collaboration: Collision-System and Beam-Energy Dependence of Anisotropic Flow Fluctuations, Physical Review Letters, 2022, vol. 129, nr 25, s.1-9, Numer artykułu:252301. DOI:10.1103/physrevlett.129.252301
7.	Abdallah M.S., Kikoła Daniel, Pawłowska Diana [i in.], STAR Collaboration: Evidence for Nonlinear Gluon Effects in QCD and Their Mass Number Dependence at STAR, Physical Review Letters, 2022, vol. 129, nr 9, s.1-7, Numer artykułu:092501. DOI:10.1103/physrevlett.129.092501
8.	Abdallah M.S., Kikoła Daniel, Pawłowska Diana [i in.], STAR Collaboration: Measurements of H_\Lambda^3 and H_\Lambda^4 Lifetimes and Yields in Au+Au Collisions in the High Baryon Density Region, Physical Review Letters, 2022, vol. 128, nr 20, s.1-8, Numer artykułu:202301. DOI:10.1103/physrevlett.128.202301
9.	Abdallah M.S., Kikoła Daniel, Pawłowska Diana [i in.], STAR Collaboration: Measurements of Proton High Order Cumulants in \sqrt{s_{NN}} = 3 GeV Au+Au Collisions and Implications for the QCD Critical Point, Physical Review Letters, 2022, vol. 128, nr 20, s.1-8, Numer artykułu:202303. DOI:10.1103/physrevlett.128.202303
10.	Abdallah M.S., Kikoła Daniel, Pawłowska Diana [i in.], STAR Collaboration: Probing the gluonic structure of the deuteron with $J/ψ$ photoproduction in d+Au ultra-peripheral collisions, Physical Review Letters, 2022, vol. 128, nr 12, s.1-9, Numer artykułu:122303. DOI:10.1103/PhysRevLett.128.122303
11.	Abdallah M.S., Kikoła Daniel, Pawłowska Diana [i in.], STAR Collaboration: Search for the Chiral Magnetic Effect via Charge-Dependent Azimuthal Correlations Relative to Spectator and Participant Planes in Au+Au Collisions at \sqrt{s_{NN}} = 200 GeV, Physical Review Letters, 2022, vol. 128, nr 9, s.1-8, Numer artykułu:092301. DOI:10.1103/physrevlett.128.092301
12.	Kopacz Rafał, Harasimczuk Michał, Trochimiuk Przemysław [i in.]: Medium Voltage Flying Capacitor DC–DC Converter With High-Frequency TCM-Q2L Control, IEEE Transactions on Power Electronics, 2022, vol. 37, nr 4, s.4233-4248. DOI:10.1109/tpel.2021.3122329
13.	Bołbotowski Karol, Lewiński Tomasz Denis : Setting the Free Material Design problem through the methods of optimal mass distribution, Calculus of Variations and Partial Differential Equations, 2022, nr 61, s.1-39, Numer artykułu:76. DOI:10.1007/s00526-022-02186-8
14.	Brzeziński Karol, Ciężkowski Paweł, Kwaśniewski Arkadiusz [i in.]: Soil compaction monitoring via photogrammetric settlement measurement – Feasibility study, Measurement, 2022, vol. 205, s.1-8, Numer artykułu:112164. DOI:10.1016/j.measurement.2022.112164

15.	Czerniak-Łosiewicz Karolina , Świniarski Michał, Gertych Arkadiusz P. [i in.]: Unraveling the Mechanism of the 150-Fold Photocurrent Enhancement in Plasma-Treated 2D TMDs, ACS Applied Materials & Interfaces, 2022, vol. 14, nr 29, s.33984–33992. DOI:10.1021/acsami.2c06578
16.	Koszowy Marcin, Budzyńska Katarzyna, Pereira-Fariña Martín [i in.]: From Theory of Rhetoric to the Practice of Language Use: The Case of Appeals to Ethos Elements, Argumentation, 2022, vol. 36, nr 1, s.123-149. DOI:10.1007/s10503-021-09564-0
17.	Vassallo Antonio, Naranjo Perez Pedro, Koslowski Tim : A proposal for a metaphysics of self-subsisting structures. I. Classical physics, Synthese, 2022, vol. 200, nr impactFactor, s.1-32. DOI:10.1007/s11229-022-03865-x
18.	Szuplewska Aleksandra, Kulpińska Dominika, Jakubczak Michał [i in.]: The 10th anniversary of MXenes: Challenges and Prospects for their Surface Modification Toward Future Biotechnological Applications, Advanced Drug Delivery Reviews, 2022, vol. 182, s.1-29, Numer artykułu:114099. DOI:10.1016/j.addr.2021.114099
19.	Drozd Marcin, Duszczyk Adrian, Ivanova Polina [i in.]: Interactions of proteins with metal-based nanoparticles from a point of view of analytical chemistry - Challenges and opportunities, Advances in Colloid and Interface Science, 2022, vol. 304, s.1-26, Numer artykułu:102656. DOI:10.1016/j.cis.2022.102656
20.	Jakub Białek, Bujalski Wojciech, Wojdan Konrad [i in.]: Dataset level explanation of heat demand forecasting ANN with SHAP, Applied Energy, 2022, vol. 261 part A, Numer artykułu:125116. DOI:10.1016/j.energy.2022.125075
21.	Janik Monika, Sosnowska Malwina, Gabler Tomasz [i in.]: Life in an optical fiber: Monitoring of cell cultures with microcavity in-line Mach-Zehnder interferometer, Biosensors & Bioelectronics, 2022, vol. 217, s.1-9, Numer artykułu:114718. DOI:10.1016/j.bios.2022.114718
22.	Kossakowska Aleksandra, Kociszewska Katarzyna, Kochman Kinga [i in.]: Toward an Electronic Tongue Based on Surfactant-Stabilized Chemosensory Microparticles with a Dual Detection Mode, ACS Applied Materials & Interfaces, 2022, vol. 14, s.50375-50385. DOI:10.1021/acsami.2c14800
23.	Wilczyński Konrad, Gertych Arkadiusz P., Czerniak-Łosiewicz Karolina [i in.]: Phonon anharmonicity in multi-layered WS2 explored by first-principles and Raman studies, Acta Materialia, 2022, vol. 240, s.1-10, Numer artykułu:118299. DOI:10.1016/j.actamat.2022.118299
24.	Badyda Artur Jerzy, Rogula-Kozłowska Wioletta, Majewski G [i in.]: Inhalation risk to PAHs and BTEX during barbecuing: the role of fuel/food type and route of exposure, Journal of Hazardous Materials, 2022, vol. 440, s.1-11, Numer artykułu:129635. DOI:10.1016/j.jhazmat.2022.129635
25.	Błesznowski Marcin, Sikora Monika, Kupecki Jakub [i in.]: Mathematical approaches to modelling the mass transfer process in solid oxide fuel cell anode, Energy, 2022, vol. 239, nr Part A, Numer artykułu:121878. DOI:10.1016/j.energy.2021.121878
26.	Cieślak Grzegorz, Dąbrowa Juliusz, Jawańska Monika [i in.]: Microstructure and Mechanical Properties of the Ductile Al–Ti–Mo–Nb–V Refractory High Entropy Alloys, Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science, 2022, vol. 53, nr 2, s.653-662. DOI:10.1007/s11661-021-06543-8
27.	Dueholm Morten Kam Dahl, Nierychlo Marta, Andersen Kasper Skytte [i in.]: MiDAS 4: A global catalogue of full-length 16S rRNA gene sequences and taxonomy for studies of bacterial communities in wastewater treatment plants, Nature Communications, 2022, vol. 13, nr 1, s.1-15, Numer artykułu:1908. DOI:10.1038/s41467-022-29438-7
28.	Hayder Maria, Trzaskowski Maciej, Ruzik Lena : Preliminary studies of the impact of food components on nutritional properties of nanoparticles, Food Chemistry, 2022, vol. 373, s.1-9, Numer artykułu:131391. DOI:10.1016/j.foodchem.2021.131391

29.	Holakooie Mohammad Hosein , Iwański Grzegorz, Miazga Tomasz : Five-Dimensional Switching-Table-Based Direct Torque Control of Six-Phase Drives, IEEE Transactions on Power Electronics, 2022, vol. 37, nr 12, s.15260-15271. DOI:10.1109/tpel.2022.3189876
30.	Holakooie Mohammad Hosein, Iwański Grzegorz, Miazga Tomasz : Switching-Table-Based Direct Torque Control of Six-Phase Drives with x y Current Regulation, IEEE Transactions on Industrial Electronics, 2022, vol. 69, nr 12, s.11890-11902. DOI:10.1109/tie.2021.3139239
31.	Kowal Barbara, Ranosz Robert, Kłodawski Michał [i in.]: Demand for passenger capsules for Hyperloop High-Speed Transportation System -case study from Poland, IEEE Transactions on Transportation Electrification, 2022, vol. 8, nr 1, s.565-589. DOI:10.1109/TTE.2021.3120536
32.	Kowalik Patrycja, Bujak Piotr, Penkala Mateusz [i in.]: Indium(II) Chloride as a Precursor in the Synthesis of Ternary (Ag–In–S) and Quaternary (Ag–In–Zn–S) Nanocrystals, Chemistry of Materials, 2022, vol. 34, nr 2, s.809-825. DOI:10.1021/acs.chemmater.1c03800
33.	Miśta-Jakubowska Ewelina A., Czech Błońska Renata, Duczko Władysław [i in.]: Research on chemical soldering in early medieval jewellery: the case of lunula-type Viking Age ornaments, Archaeometry, 2022, vol. 64, nr 3, s.698-713. DOI:10.1111/arcm.12730
34.	Muradov Magomed, Kot Patryk, Markiewicz Jakub [i in.]: Non-destructive system for in-wall moisture assessment of cultural heritage buildings, Measurement, 2022, vol. 203, s.1-29. DOI:10.1016/j.measurement.2022.111930
35.	Nowicki Michał, Szewczyk Roman, Korobiichuk Igor : Modelling the magnetoinductive effect for coil-less magnetomechanical strain and force sensors, Measurement, 2022, vol. 200, s.1-22, Numer artykułu:111436. DOI:10.1016/j.measurement.2022.111436
36.	Orzechowski Kamil, Tupikowska Martyna, Strzeżysz Olga [i in.]: Achiral Nanoparticle-Enhanced Chiral Twist and Thermal Stability of Blue Phase Liquid Crystals, ACS Nano, 2022, vol. 16, nr 12, s.20577-20588. DOI:10.1021/acsnano.2c07321
37.	Rępalska Marta, Woźniak Adam : The share of the probe errors in on-machine measurements , Precision Engineering-Journal of the International Societies for Precisionengineering and Nanotechnology, 2022, vol. 75, s.111-119. DOI:10.1016/j.precisioneng.2022.02.001
38.	Skołek Emilia, Szwejkowska Karolina, Chmielarz Krzysztof [i in.]: The Microstructure of Cast Steel Subjected to Austempering and B-Q&P Heat Treatment, Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science, 2022, vol. 53, nr 7, s.2544-2560. DOI:10.1007/s11661-022-06685-3
39.	Sotniczuk Agata, Majchrowicz Kamil, Kuczyńska-Zemła Donata [i in.]: Surface Properties and Mechanical Performance of Ti-Based Dental Materials: Comparative Effect of Valve Alloying Elements and Structural Defects, Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science, 2022, vol. 53, nr 1, s.225-239. DOI:10.1007/s11661-021-06515-y
40.	Wasik Michał, Łapka Piotr : Analysis of seasonal energy consumption during drying of highly saturated moist masonry walls in polish climatic conditions, Energy, 2022, vol. 240, s.1-13, Numer artykułu:122694. DOI:10.1016/j.energy.2021.122694
41.	Wierzbicka Anna Maria, Arno Maria : Adaptation of places of worship to secular functions with the use of narrative method as a tool to preserve religious heritage, Muzeologia a Kulturne Dedicstvo, 2022, vol. 10, nr 4, s.63-77. DOI:10.46284/mkd.2021.10.4.5
42.	Zarzycki Krzysztof, Ławryńczuk Maciej : Advanced predictive control for GRU and LSTM networks, Information Sciences, 2022, vol. 616, s.229-254. DOI:10.1016/j.ins.2022.10.078
43.	Żychowski Adam, Mańdziuk Jacek, Bondi Elizabeth [i in.]: Evolutionary Approach to Security Games with Signaling, W: Proceedings of the Thirty-First International Joint Conference on Artificial Intelligence, Vienna, 23-29 July 2022 / De Raedt Luc (red.), 2022, International Joint Conferences on Artificial Intelligence, s.620-627, ISBN 978-1-956792-00-3. DOI:10.24963/ijcai.2022/88

44.	Chavan Rohit D., Wolska-Pietkiewicz Małgorzata, Prochowicz Daniel [i in.]: Organic Ligand-Free ZnO Quantum Dots for Efficient and Stable Perovskite Solar Cells, Advanced Functional Materials, 2022, vol. 32, nr 49, s.2205909-2205909. DOI:10.1002/adfm.202205909
45.	Ćwiklińska Dominika, Bogdan Anna, Szyłak-Szydłowski Mirosław : Survey on factors influencing surgeons' sensation in Polish operating theatres, Building and Environment, 2022, vol. 214, s.1-12, Numer artykułu:108929. DOI:10.1016/j.buildenv.2022.108929
46.	Kunde Tom, Pausch Tobias, Guńka Piotr [i in.]: Fast, solvent-free synthesis of ferrocene-containing organic cages via dynamic covalent chemistry in the solid state, Chemical Science, 2022, vol. 13, nr 10, s.2877-2883. DOI:10.1039/d1sc06372c
47.	Makowski Michał, Bomba Jarosław*, Frej A. [i in.]: Dynamic complex opto-magnetic holography, Nature Communications, 2022, vol. 13, nr 1, s.1-11, Numer artykułu:7286. DOI:10.1038/s41467-022-35023-9
48.	Mazzi S., Garcia J., Zarzoso D. [i in.], JET Contributors: Enhanced performance in fusion plasmas through turbulence suppression by megaelectronvolt ions, Nature Physics, 2022, vol. 18, nr 7, s.776-782. DOI:10.1038/s41567-022-01626-8
49.	Moroz Leonid, Samotyy Volodymyr, Kokosinski Zbigniew [i in.]: Simple Multiple Precision Algorithms for Exponential Functions [Tips & Tricks], IEEE Signal Processing Magazine, 2022, vol. 39, nr 4, s.130-137. DOI:10.1109/msp.2022.3157460
50.	Wang Yihan, Yu Fusheng, Homenda Władysław [i in.]: The Trend-Fuzzy-Granulation-Based Adaptive Fuzzy Cognitive Map for Long-Term Time Series Forecasting, IEEE Transactions on Fuzzy Systems, 2022, vol. 30, nr 12, s.5166-5180. DOI:10.1109/tfuzz.2022.3169624
51.	Ziemczonok Michał, Kuś Arkadiusz, Kujawińska Małgorzata : Optical diffraction tomography meets metrology — Measurement accuracy on cellular and subcellular level, Measurement, 2022, vol. 195, s.1-9, Numer artykułu:111106. DOI:10.1016/j.measurement.2022.111106
52.	Iwański Grzegorz, Wodyk Sebastian, Łuszczyk Tomasz : Control of a Three-Phase Power Converter Connected to Unbalanced Power Grid in a Non-Cartesian Oblique Frame, IEEE Transactions on Power Electronics, 2022, vol. 37, nr 1, s.183-195. DOI:10.1109/tpel.2021.3098697
53.	Kapusta Łukasz : Understanding the collapse of flash-boiling sprays formed by multi-hole injectors operating at low injection pressures, Energy, 2022, vol. 247. DOI:10.1016/j.energy.2022.123388
54.	po weryfikacji warunków zatrudnienia autora, publikacja nie spełnia warunków uzyskania nagrody
55.	Mazuro Paweł, Kozak Dariusz : Experimental investigation on the performance of the prototype of aircraft Opposed-Piston engine with various values of intake pressure, Energy Conversion and Management, 2022, vol. 269, s.1-17. DOI:10.1016/j.enconman.2022.116075
56.	Nisiewicz Monika K., Kowalczyk Agata, Gajda Aleksandra [i in.]: Enzymatic cleavage of specific dipeptide conjugated with ferrocene as a flexible ultra-sensitive and fast voltammetric assay of matrix metalloproteinase-9 considered a prognostic cancer biomarker in plasma samples, Biosensors & Bioelectronics, 2022, vol. 195, s.1-9, Numer artykułu:113653. DOI:10.1016/j.bios.2021.113653
57.	Stachowiak Arkadiusz, Wieczorek Andrzej, Nuckowski Paweł [i in.]: Effect of spheroidal ausferritic cast iron structure on tribocorrosion resistance, Tribology International, 2022, vol. 173. DOI:10.1016/j.triboint.2022.107688
58.	Zaborski Mateusz, Woźniak Marcin, Mańdziuk Jacek : Multidimensional Red Fox meta-heuristic for complex optimization, Applied Soft Computing, 2022, vol. 131, s.1-18, Numer artykułu:109774. DOI:10.1016/j.asoc.2022.109774
59.	Abrishami Tara, Chudnovsky Maria, Dibek Cemil [i in.]: Polynomial-time algorithm for Maximum Independent Set in bounded-degree graphs with no long induced claws, W: Proceedings of the 2022 Annual ACM-SIAM Symposium on Discrete Algorithms (SODA) / Naor Joseph (Seffi), Buchbinder Niv (red.), 2022, Society for Industrial and Applied Mathematics, s.1448-1470, ISBN 978-1-61197-707-3. DOI:10.1137/1.9781611977073.61

60.	Belokopytova Polina, Viesná Emil, Chiliński Mateusz [i in.]: 3DGenBench: a web-server to benchmark computational models for 3D Genomics, Nucleic Acids Research, 2022, vol. 50, nr W1, s.4-12. DOI:10.1093/nar/gkac396
61.	Brzeziński Karol, Gladky Anton : Clump breakage algorithm for DEM simulation of crushable aggregates, Tribology International, 2022, vol. 173, s.1-10, Numer artykułu:107661. DOI:10.1016/j.triboint.2022.107661
62.	Butt Muhammad Ali, Kazanskiy N.L., Khonina S.N. : On-chip symmetrically and asymmetrically transformed plasmonic Bragg grating formation loaded with a functional polymer for filtering and CO2 gas sensing applications, Measurement, 2022, vol. 201, s.1-8, Numer artykułu:111694. DOI:10.1016/j.measurement.2022.111694
63.	Cao Bin, Zhao J, Liu X. [i in.]: Multiobjective Evolution of the Explainable Fuzzy Rough Neural Network with Gene Expression Programming, IEEE Transactions on Fuzzy Systems, 2022, vol. 30, nr 10, s.4190 - 4200. DOI:10.1109/tfuzz.2022.3141761
64.	Gągolewski Marek : A framework for benchmarking clustering algorithms, SoftwareX, 2022, vol. 20, s.1-5, Numer artykułu:101270. DOI:10.1016/j.softx.2022.101270
65.	Gomes Heitor Murilo, Grzenda Maciej, Mello Rodrigo [i in.]: A Survey on Semi-supervised Learning for Delayed Partially Labelled Data Streams, ACM Computing Surveys, 2022, vol. 55, nr 4, s.1-42. DOI:10.1145/3523055
66.	Guo Xiaoqiang, Zhang Han, Tang Wei [i in.]: Overview of Recent Advanced Topologies for Transformerless Dual-Grounded Inverters, IEEE Transactions on Power Electronics, 2022, vol. 37, nr 10, s.12679-12704. DOI:10.1109/TPEL.2022.3170931
67.	Huo Yingying, Xu Yong, Wu X. [i in.]: Functional Trachea Reconstruction Using 3D-Bioprinted Native-Like Tissue Architecture Based on Designable Tissue-Specific Bioinks, Advanced Science, 2022, vol. 9, nr 29, s.1-15, Numer artykułu:2202181. DOI:10.1002/advs.202202181
68.	Jastrzębska Agnieszka, Nápoles Gonzalo, Salgueiro Yamisleydi [i in.]: Evaluating time series similarity using concept-based models, Knowledge-Based Systems, 2022, vol. 238, s.1-9, Numer artykułu:107811. DOI:10.1016/j.knosys.2021.107811
69.	Kinga Lasek, Coelho Paula M., Pierluigi Gargiani [i in.]: Van der Waals epitaxy growth of 2D ferromagnetic Cr(1+δ)Te2 nanolayers with concentration-tunable magnetic anisotropy, Applied Physics Reviews, 2022, vol. 9, nr 1, s.1-11, Numer artykułu:011409. DOI:10.1063/5.0070079
70.	Kińska Katarzyna, Cruzado-Tafur Edith, Parailloux Maroussia [i in.]: Speciation of metals in indigenous plants growing in post-mining areas: Dihydroxynicotianamine identified as the most abundant Cu and Zn ligand in Hypericum laricifolium, Science of the Total Environment, 2022, vol. 809, s.1-13, Numer artykułu:151090. DOI:10.1016/j.scitotenv.2021.151090
71.	Klotz Łukasz, Lemoult Grégoire, Avila Kerstin [i in.]: Phase Transition to Turbulence in Spatially Extended Shear Flows, Physical Review Letters, 2022, vol. 128, nr 1, s.1-5. DOI:10.1103/physrevlett.128.014502
72.	Liu S., Wróbel Jan, LLorca J. : First-principles analysis of the Al-rich corner of Al-Li-Cu phase diagram, Acta Materialia, 2022, vol. 236, s.1-12, Numer artykułu:118129. DOI:10.1016/j.actamat.2022.118129
73.	Marchetti Andrea, Beltran Victoria, Nuyts Gert [i in.]: Novel optical photothermal infrared (O-PTIR) spectroscopy for the noninvasive characterization of heritage glass-metal objects, Science advances, 2022, vol. 8, nr 9, s.1-10, Numer artykułu:6769. DOI:10.1126/sciadv.abl6769
74.	Pęczkowski Paweł, Łuszczek Maciej, Szostak Elżbieta [i in.]: Superconductivity and appearance of negative magnetocaloric effect in Ba1–K BiO3 perovskites, doped by Y, La and Pr, Acta Materialia, 2022, vol. 222, s.117437. DOI:10.1016/j.actamat.2021.117437
75.	Pikula Tomasz, Szumiata Tadeusz, Siedliska Karolina [i in.]: The Influence of Annealing Temperature on the Structure and Magnetic Properties of Nanocrystalline BiFeO3 Prepared by Sol–Gel Method,

	Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science, 2022, vol. 53, s.470-483. DOI:10.1007/s11661-021-06506-z
76.	Pu Jihong, Shen Chao, Yang Shaoxin [i in.]: Feasibility investigation on using silver nanorods in energy saving windows for light/heat decoupling, Energy, 2022, vol. 245, Numer artykułu:123289. DOI:10.1016/j.energy.2022.123289
77.	Pyrialakos Georgios G., Ren Huizhong, Jung Paweł [i in.]: Thermalization Dynamics of Nonlinear Non-Hermitian Optical Lattices, Physical Review Letters, 2022, vol. 128, nr 21, s.1-7. DOI:10.1103/physrevlett.128.213901
78.	Sebastianelli Alessandro, Puglisi Erika, Del Rosso Maria Pia [i in.]: PLFM: Pixel-Level Merging of Intermediate Feature Maps by Disentangling and Fusing Spatial and Temporal Data for Cloud Removal, IEEE Transactions on Geoscience and Remote Sensing, 2022, vol. 60, s.1-16. DOI:10.1109/tgrs.2022.3208694
79.	Sun Peihao, Monaco Giulio, Zalden Peter [i in.]: Structural changes across thermodynamic maxima in supercooled liquid tellurium: A water-like scenario, Proceedings of the National Academy of Sciences of the United States of America, 2022, vol. 119, nr 28, s.1-7, Numer artykułu:e2202044119. DOI:10.1073/pnas.2202044119
80.	Tarczewski Tomasz, Rafał Szczepański, Krystian Erwiński [i in.]: A Novel Sensitivity Analysis to Moment of Inertia and Load Variations for PMSM Drives, IEEE Transactions on Power Electronics, 2022, vol. 37, nr 11, s.13299-13309. DOI:10.1109/tpel.2022.3188404
81.	Wang Liping, Jankowski Piotr, Njel Christian [i in.]: Dual Role of Mo6S8 in Polysulfide Conversion and Shuttle for Mg–S Batteries, Advanced Science, 2022, vol. 9, s.2104605. DOI:10.1002/advs.202104605