

Lp	Tytuł czasopisma	Autorzy	Tytuł publikacji	Rok/tom/strony	DOI	IF	Punkty MNISW
1.	ACS APPLIED MATERIALS & INTERFACES	Richter, Lukasz; Bielec, Krzysztof; Lesniewski, Adam; Los, Marcin; Paczesny, Jan; Holyst, Robert	Dense Layer of Bacteriophages Ordered in Alternating Electric Field and Immobilized by Surface Chemical Modification as Sensing Element for Bacteria Detection	2017, 9 (23), 19622-19629	10.1021/acsami.7b03497	7,504	40
2.	ACS APPLIED MATERIALS & INTERFACES	Prochowicz, D.; Yadav, P.; Saliba, M.; Saski, M.; Zakeeruddin, S.; Lewinski, J.; Grätzel, J.	Reduction in the Interfacial Trap Density of Mechanochemically-Synthesized MAPbI ₃	2017, 9 (34), 28418-28425	10.1021/acsami.7b06788	7,504	40
3.	ACS EARTH AND SPACE CHEMISTRY	Mangiante, David. M.; Schaller, Richard D.; Zarzycki, Piotr; Banfield, Jillian F.; Gilbert, Benjamin	Mechanism of Ferric Oxalate Photolysis	2017, 1 (5), 270-276	10.1021/acsearthspacechem.7b00026	0	0
4.	ACS EARTH AND SPACE CHEMISTRY	Soltis, Jennifer A.; Schwartzberg, Adam M.; Zarzycki, Piotr; Penn, R. Lee; Rosso, Kevin M.; Gilbert, Benjamin	Electron Mobility and Trapping in Ferrihydrite Nanoparticles	2017, 1 (4), 216-226	10.1021/acsearthspacechem.7b00030	0	0
5.	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	Lisowski, Pawel; Colmenares, Juan Carlos; Masek, Ondrej; Lisowski, Wojciech; Lisovytskiy, Dmytro; Kaminska, Agnieszka; Lomot, Dariusz	Dual Functionality of TiO ₂ /Biochar Hybrid Materials: Photocatalytic Phenol Degradation in the Liquid Phase and Selective Oxidation of Methanol in the Gas Phase	2017, 5 (7), 6274-6287	10.1021/acssuschemeng.7b01251	5,951	40
6.	ANALYST	Postek, W.; Kaminski, T. S.; Garstecki, P.	A precise and accurate microfluidic droplet dilutor	2017, 142, 2901-2911	10.1039/c7an00679a	3,885	40
7.	ANALYTICA CHIMICA ACTA	Miles, J.; Fernandes, D.; Young, A.; Bond, C. M. M.; Crane, S. W.; Ghafur, O.; Townsend, D.; Sa, J.; Greenwood, J. B.	A new technique for probing chirality via photoelectron circular dichroism	2017, 984, 134-139	10.1016/j.aca.2017.06.051	4,95	45
8.	ANALYTICAL CHEMISTRY	Kundys, Magdalena; Nejbauer, Michal; Jonsson-Niedziolka, Martin; Adamiak, Wojciech	Generation-Collection Electrochemistry Inside a Rotating Droplet	2017, 89 (15), 8057-8063	10.1021/acs.analchem.7b01533	6,32	45
9.	APPLIED SCIENCES-BASEL	Tyrala, Krzysztof; Wojtaszek, Klaudia; Pajek, Marek; Kayser, Yves; Milne, Christopher; Sa, Jacinto; Szlachetko, Jakub	State-Population Narrowing Effect in Two-Photon Absorption for Intense Hard X-ray Pulses	2017, 7 (7), 653	10.3390/app7070653	1,679	25

10.	APPLIED SURFACE SCIENCE	Bieloshapka, I.; Jiricek, P.; Vorokhta, M.; Tomsik, E.; Rednyk, A.; Perekrestov, R.; Jurek, K.; Ukraintsev, E.; Hruska, K.; Romanyuk, O.; Lesiak, B.	Pd-catalysts for DFAFC prepared by magnetron sputtering	2017, 419, 838-846	10.1016/j.apsusc.2017.05.035	3,387	35
11.	BIOCONJUGATE CHEMISTRY	Golec, Piotr; Zelechowska, Kamila; Karczewska-Golec, Joanna; Karczewski, Jakub; Lesniewski, Adam ; Los, Marcin; Wegrzyn, Grzegorz; Klonkowski, Andrzej M.	Bacteriophages as Factories for Eu2O3 Nanoparticle Synthesis	2017, 28 (7), 1834-1841	10.1021/acs.bioconjchem.7b00119	4,818	40
12.	BIOMEDICAL OPTICS EXPRESS	Ossowski, Pawel; Wojtkowski, Maciej ; Munro, Peter R. T.	Classification of biological micro-objects using optical coherence tomography: in silico study	2017, 8 (8), 3606-3626	10.1364/BOE.8.003606	3,337	40
13.	BIOMEDICAL OPTICS EXPRESS	de Boer, Johannes F.; Leitge, Rainer; Wojtkowski, Maciej	Twenty-five years of optical coherence tomography: the paradigm shift in sensitivity and speed provided by Fourier domain OCT [Invited]	2017, 8 (7), 3248-3280	10.1364/BOE.8.003248	3,337	40
14.	CATALYSIS COMMUNICATIONS	Gizinski, Damian; Goszewska, Ilona; Zielinski, Maciej; Lisovytskiy, Dmytro; Nikiforov, Kostiantyn ; Masternak, Joanna; Zienkiewicz-Machnik, Malgorzata; Srebowata, Anna; Sa, Jacinto	Chemoselective flow hydrogenation of alpha,beta - Unsaturated aldehyde with nano-nickel	2017, 98, 17-21	10.1016/j.catcom.2017.04.048	3,33	30
15.	CHEMCATCHEM	Chatel, Gregory; Valange, Sabine; Behling, Ronan; Colmenares, Juan Carlos	A Combined Approach using Sonochemistry and Photocatalysis: How to Apply Sonophotocatalysis for Biomass Conversion?	2017, 9 (14), 2615-2621	10.1002/cctc.201700297	4,803	35
16.	CHEMICAL SCIENCE	Kubas, Adam ; Noak, Johannes; Trunschke, Annette; Schloegl, Robert; Neese, Frank; Maganas, Dimitrios	A combined experimental and theoretical spectroscopic protocol for determination of the structure of heterogeneous catalysts: developing the information content of the resonance Raman spectra of M1 MoVOx	2017, 8 (9), 6338-6353	10.1039/c7sc01771e	8,668	40
17.	CHEMISTRY-A EUROPEAN JOURNAL	Pietrzak, Tomasz; Korzynski, Maciej Damian; Justyniak, Iwona ; Zelga, Karolina; Kornowicz, Arkadiusz; Ochal, Zbigniew; Lewinski, Janusz	Unprecedented Variety of Outcomes in the Oxygenation of Dinuclear Alkylzinc Derivatives of an N,N-Coupled Bis(beta-diketimine)	2017, 23 (33), 7997-8005	10.1002/chem.201700503	5,317	40

18.	CHEMPHYSICHEM	Blachecki, Andrzej; Mech-Piskorz, Justyna ; Gajewska, Marta; Mech, Krzysztof; Pilarczyk, Kacper; Szacilowski, Konrad	Organotitania-Based Nanostructures as a Suitable Platform for the Implementation of Binary, Ternary, and Fuzzy Logic Systems	2017, 18 (13), 1798-1810	10.1002/cphc.201700292	3,075	35
19.	CRYSTALS	Yadav, Pankaj; Prochowicz, Daniel ; Saliba, Michael; Boix, Pablo P.; Zakeeruddin, Shaik M.; Gratzel, Michael	Interfacial Kinetics of Efficient Perovskite Solar Cells	2017, 7 (8), 252	10.3390/cryst7080252	1,566	20
20.	CRYSTALS	Mesarec, Luka; Kurioz, Pavlo; Igljic, Ales; Gozdz, Wojciech ; Kralj, Samo	Curvature-Controlled Topological Defects	2017, 7 (6), 153-	10.3390/cryst7060153	1,566	20
21.	CRYSTENGGCOMM	Danylyuk, Oksana	Exploring cucurbit[6]uril-peptide interactions in the solid state: crystal structure of cucurbit[6]uril complexes with glycyl-containing dipeptides	2017, 19 (28), 3892-3897	10.1039/c7ce00881c	3,474	35
22.	ELECTROCHIMICA ACTA	Fedorczyk, Agata; Pomorski, Robert; Chmielewski, Michal; Ratajczak, Jacek; Kaszur, Zbigniew ; Skompska, Magdalena	Bimetallic Au@Pt nanoparticles dispersed in conducting polymer-A catalyst of enhanced activity towards formic acid electrooxidation	2017, 246, 1029-1041	10.1016/j.electacta.2017.06.138	4,798	40
23.	ELECTROPHORESIS	Zuchowska, Agnieszka; Kwapiszewska, Karina ; Chudy, Michal; Dybko, Artur; Brzozka, Zbigniew	Studies of anticancer drug cytotoxicity based on long-term HepG2 spheroid culture in a microfluidic system	2017, 38 (8), 1206-1216	10.1002/elps.201600417	2,744	30
24.	ENVIRONMENTAL SCIENCE & TECHNOLOGY	Zarzycki, Piotr ; Rosso, Kevin M.	Stochastic Simulation of Isotopic Exchange Mechanisms for Fe(II)Catalyzed Recrystallization of Goethite	2017	10.1021/acs.est.7b01491	6,198	45
25.	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	Gabka, Grzegorz; Zybala, Rafal; Bujak, Piotr; Ostrowski, Andrzej; Chmielewski, Marcin; Lisowski, Wojciech ; Sobczak, Janusz W. ; Pron, Adam	Facile Gram-Scale Synthesis of the First n-Type CuFeS ₂ Nanocrystals for Thermoelectric Applications	2017, 3150-3153	10.1002/ejic.201700611	2,444	35
26.	JOURNAL OF ALLOYS AND COMPOUNDS	Meng, H. ; Palasyuk, T. ; Drozd, V.; Tkacz, M.	Study of phase stability and isotope effect in dysprosium trihydride at high pressure	2017, 722, 946-952	10.1016/j.jallcom.2017.06.181	3,133	35

27.	JOURNAL OF ALLOYS AND COMPOUNDS	Michalska, Monika; Ziolkowska, Dominika A.; Andrzejczuk, Mariusz; Krawczynska, Agnieszka; Roguska , Agata; Sikora, Andrzej	New synthesis route to decorate Li ₄ Ti ₅ O ₁₂ grains with GO flakes	2017, 719, 210-217	10.1016/j.jallcom.2017.05.173	3,133	35
28.	JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA	Jablonski, A. ; Powell, C. J.	Effective attenuation lengths for quantitative determination of surface composition by Auger-electron spectroscopy and X-ray photoelectron spectroscopy	2017, 218, 1-12	10.1016/j.elspec.2017.04.008	1,661	25
29.	JOURNAL OF MATERIALS CHEMISTRY A	Czelej, Kamil; Cwieka, Karol; Colmenares, Juan C. ; Kurzydowski, Krzysztof J.	Atomistic insight into the electrode reaction mechanism of the cathode in molten carbonate fuel cells	2017, 5, 13763-13768	10.1039/c7ta02011b	8,867	40
30.	JOURNAL OF MATERIALS CHEMISTRY B	Dabrowski, Marcin; Cieplak, Maciej; Noworyta, Krzysztof; Heim, Matthias; Adamkiewicz, Witold; Kuhn, Alexander; Sharma, Piyush Sindhu; Kutner, Wlodzimierz	Surface enhancement of a molecularly imprinted polymer film using sacrificial silica beads for increasing L-arabitol chemosensor sensitivity and detectability	2017, 5 (31), 62-92	10.1039/c7tb01407d	4,543	35
31.	JOURNAL OF MATERIALS CHEMISTRY C	Yadav, Pankaj; Prochowicz, Daniel; Alharbi, Essa A.; Zakeeruddin, Shaik M.; Gratzel, Michael	Intrinsic and interfacial kinetics of perovskite solar cells under photo and bias-induced degradation and recovery	2017, 5 (31), 7799-7805	10.1039/c7tc02652h	5,256	40
32.	JOURNAL OF MOLECULAR STRUCTURE	Ceborska, Magdalena	Structural investigation of the beta-cyclodextrin complexes with chiral bicyclic monoterpenes - Influence of the functionality group on the host-guest stoichiometry	2017, 1145, 204-210	10.1016/j.molstruc.2017.05.102	1,753	20
33.	JOURNAL OF PHYSICAL CHEMISTRY C	Mazierski, Pawel; Nadolna, Joanna; Nowaczyk, Grzegorz; Lisowski, Wojciech; Winiarski, Michal Jerzy; Klimczuk, Tomasz; Kobylanski, Marek Piotr; Jurga, Stefan; Zaleska-Medynska, Adriana	Highly Visible-Light-Photoactive Heterojunction Based on TiO ₂ Nanotubes Decorated by Pt Nanoparticles and Bi ₂ S ₃ Quantum Dots	2017, 121 (32), 17215-17225	10.1021/acs.jpcc.7b03895	4,536	35
34.	JOURNAL OF PHYSICAL CHEMISTRY C	Lepicka, Kamila; Pieta, Piotr; Shkurenko, Aleksander; Borawicz, Pawel; Majewska, Marta; Rosenkranz, Marco; Avdoshenko, Stanislav; Popov, A. A.; Kutner, Wlodzimierz	Spectroelectrochemical Approaches to Mechanistic Aspects of Charge Transport in meso-Nickel(II) Schiff Base Electrochromic Polymer	2017, 121 (31), 16710-16720	10.1021/acs.jpcc.7b04700	4,536	35

35.	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	Lu, Gang; Yuan, Haifeng; Su, Liang; Kenens, Bart; Fujita, Yasuhiko; Chamtouri, Maha; Pszona, Maria ; Fron, Eduard; Waluk, Jacek ; Hofkens, Johan; Uji-i, Hiroshi	Plasmon-Mediated Surface Engineering of Silver Nanowires for Surface-Enhanced Raman Scattering	2017, 8 (13), 2774-2779	10.1021/acs.jpcllett.7b00958	9,353	45
36.	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY	Gorski, Alexandr ; Starukhin, Aleksandr; Stavrov, Solomon S.	Mossbauer spectroscopy as a probe of electric field in heme pocket of deoxyheme proteins: theoretical approach	2017, 313 (1), 141-144	10.1007/s10967-017-5294-y	1,262	25
37.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	Kubicki, D.J.; Prochowicz, D. ; Hofstetter, A.; Péchy, P. ; Zakeeruddin, S. M.; Grätzel, M.; Emsley, L.	Cation Dynamics in Mixed-Cation (MA) _x (FA) _{1-x} PbI ₃ Hybrid Perovskites from Solid-State NMR	2017, 139, 10055-10061	10.1021/jacs.7b04930	13,858	45
38.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	Kubicki, D.J.; Prochowicz, D. ; Hofstetter, A.; Zakeeruddin, S. M.; Grätzel, M.; Emsley, L.	Phase Segregation in Cs-, Rb- and K-Doped Mixed-Cation (MA) _x (FA) _{1-x} PbI ₃ Hybrid Perovskites from Solid-State NMR	2017, 139, 14173-14180	10.1021/jacs.7b07223	13,858	45
39.	MACROMOLECULES	Wisniewska, Agnieszka ; Sozanski, Krzysztof ; Kalwarczyk, Tomasz ; Kedra-Krolik, Karolina ; Holyst, Robert	Scaling Equation for Viscosity of Polymer Mixtures in Solutions with Application to Diffusion of Molecular Probes	2017, 50 (11), 4555-4561	10.1021/acs.macromol.7b00545	5,835	45
40.	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	Przybylek, Malgorzata; Bakar, Mohamed; Mendrycka, Mariola; Kosikowska, Urszula; Malm, Anna; Worzakowska, Marta; Szyborski, Tomasz ; Kedra-Krolik, Karolina	Rubber elastomeric nanocomposites with antimicrobial properties	2017, 76, 269-277	10.1016/j.msec.2017.03.080	4,164	30
41.	MOLECULES	Colmenares, Juan Carlos ; Kuna, Ewelina	Photoactive Hybrid Catalysts Based on Natural and Synthetic Polymers: A Comparative Overview	2017, 22 (5), 790	10.3390/molecules22050790	2,861	30
42.	OPTICA	Sozanski, Krzysztof ; Sisamak, Evangelos; Zhang, Xuzhu ; Holyst, Robert	Quantitative fluorescence correlation spectroscopy in three-dimensional systems under stimulated emission depletion conditions	2017, 4 (8), 982-988	10.1364/OPTICA.4.000982	7,727	45
43.	ORGANOMETALLICS	Leszczynski, Michal K. ; Justyniak, Iwona ; Lewinski, Janusz	Toward Factors Affecting the Degree of Zinc Alkyls Oxygenation: A Case of Organozinc Guanidinate Complexes	2017, 36 (13), 2377-2380	10.1021/acs.organomet.7b00287	3,862	40

44.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Gorecki, Jerzy ; Kitahata, Hiroyuki; Suematsu, Nobuhiko J.; Koyano, Yuki; Skrobanska, Paulina ; Gryciuk, Marian ; Malecki, Maciej ; Tanabe, Takahiro; Yamamoto, Hiroya; Nakata, Satoshi	Unidirectional motion of a camphor disk on water forced by interactions between surface camphor concentration and dynamically changing boundaries	2017, 19 (28), 18767-18772	10.1039/c7cp03252h	4,123	40
45.	PHYSICAL REVIEW B	Naumov, P. G.; Filsinger, K.; Shylin, S. I.; Barkalov, O. I.; Ksenofontov, V.; Qi, Y.; Palasyuk, T. ; Schnelle, W.; Medvedev, S. A.; Greenblatt, M.; Felser, C.	Pressure-induced magnetic collapse and metallization of TlFe1.6Se2	2017, 96 (6), 064109	10.1103/PhysRevB.96.064109	3,836	35
46.	PHYSICAL REVIEW E	Koyano, Yuki; Gryciuk, Marian ; Skrobanska, Paulina ; Malecki, Maciej ; Sumino, Yutaka; Kitahata, Hiroyuki; Gorecki, Jerzy	Relationship between the size of a camphor-driven rotor and its angular velocity	2017, 96 (1), 012609	10.1103/PhysRevE.96.012609	2,366	35
47.	POLISH JOURNAL OF CHEMICAL TECHNOLOGY	Zybert, Magdalena; Tarka, Aleksandra; Mierzwa, Boguslaw ; Rarog-Pilecka, Wioletta	Cobalt-lanthanum catalyst precursors for ammonia synthesis: determination of calcination temperature and storage conditions	2017, 19 (2), 61-66	10.1515/pjct-2017-0029	0,725	15
48.	RSC ADVANCES	Madej, Arleta; Paprocki, Daniel; Koszelewski, Dominik; Zadłodobrowolska, Anna; Brzozowska, Anna ; Walde, Peter; Ostaszewski, Ryszard	Efficient Ugi reactions in an aqueous vesicle system	2017, 7 (53), 33344-33354	10.1039/c7ra03376a	3,108	35
49.	SCIENTIFIC REPORTS	Pavliuk, Mariia V.; Fernandes, Arthur B.; Abdellah, Mohamed; Fernandes, Daniel L. A.; Machado, Caroline O.; Rocha, Igor; Hattori, Yocefufu; Paun, Cristina; Bastos, Erick L.; Sa, Jacinto	Nano-hybrid plasmonic photocatalyst for hydrogen production at 20% efficiency	2017, 7, 8670	10.1038/s41598-017-09261-7	4,259	40
50.	SCIENTIFIC REPORTS	Karnowski, Karol; Ajduk, Anna; Wieloch, Bartosz; Tamborski, Szymon; Krawiec, Krzysztof; Wojtkowski, Maciej ; Szkulmowski, Maciej	Optical coherence microscopy as a novel, non-invasive method for the 4D live imaging of early mammalian embryos	2017, 7, 4165	10.1038/s41598-017-04220-8	4,259	40

51.	SENSORS AND ACTUATORS B-CHEMICAL	Janczuk-Richter, Marta; Dominik, Magdalena; Rozniecka, Ewa; Koba, Marcin; Mikulic, Predrag; Bock, Wojtek J.; Los, Marcin; Smietana, Mateusz; Niedziolka-Jonsson, Joanna	Long-period fiber grating sensor for detection of viruses	2017, 250, 32-38	10.1016/j.snb.2017.04.148	5,401	40
52.	SOFT MATTER	Stuij, S. G.; Labbe-Laurent, M.; Kodger, T. E.; Maciolek, A.; Schall, P.	Critical Casimir interactions between colloids around the critical point of binary solvents	2017, 13 (31), 5233-5249	10.1039/c7sm00599g	3,889	40
53.	SUSTAINABLE ENERGY & FUELS	Prochowicz, D.; Kumar, Y. P. ; Saliba, M.; Sasaki, M.; Zakeeruddin, S. M.; Lewiński, J.; Grätzel, M.	Mechanosynthesis of pure phase mixed-cation MAxFA1-xPbI3 hybrid perovskite: Characterization and the corresponding photovoltaic performance	2017, 1, 689-693	10.1039/c7se00094d	0	0