

Tytuł czasopisma	Autorzy	Tytuł publikacji	Rok/tom/strony	DOI	IF	Punkty MNISW
NANO LETTERS	Boeckmann, Hannes; Gawinkowski, Sylwester; Waluk, Jacek; Raschke, Markus B.; Wolf, Martin; Kumagai, Takashi	Near-Field Enhanced Photochemistry of Single Molecules in a Scanning Tunneling Microscope Junction	2018,18,152- 157	10.1021/acs.nanolett.7b03720	12,712	45
APPLIED CATALYSIS B-ENVIRONMENTAL	Czelej, Kamil; Cwieka, Karol; Colmenares, Juan C.; Kurzydłowski, Krzysztof J.	Catalytic activity of NiO cathode in molten carbonate fuel cells	2018,222,73-75	10.1016/j.apcatb.2017.10.003	9,446	45
APPLIED CATALYSIS B-ENVIRONMENTAL	Krukowska, Anna; Winiarski, Michał Jerzy; Strychalska- Nowak, Judyta; Klimczuk, Tomasz; Lisowski, Wojciech; Mikolajczyk, Alicja; Pinto, Henry P.; Puzyn, Tomasz; Grzyb, Tomasz; Zaleska- Medyńska, Adriana	Rare earth ions doped K ₂ Ta ₂ O ₆ photocatalysts with enhanced UV- vis light activity	2018,224,451- 468	10.1016/j.apcatb.2017.10.061	9,446	45
BIOSENSORS & BIOELECTRONICS	Sharma, Piyush Sindhu; Iskierko, Zofia; Noworyta, Krzysztof; Cieplak, Maciej; Borowicz, Paweł; Lisowski, Wojciech; D'Souza, Francis; Kutner, Włodzimierz	Synthesis and application of a "plastic antibody" in electrochemical microfluidic platform for oxytocin determination	2018,100,251- 258	10.1016/j.bios.2017.09.009	7,78	40
BIOSENSORS & BIOELECTRONICS	Dabrowski, Marcin; Lach, Patrycja; Cieplak, Maciej; Kutner, Włodzimierz	Nanostructured molecularly imprinted polymers for protein chemosensing	2018,102,17-26	10.1016/j.bios.2017.10.045	7,78	40
JOURNAL OF CATALYSIS	Udachyan, Iranna; Vishwanath, R. S.; Kumara, C. S. Pradeepa; Kandaiah, Sakthivel	Ruthenium ion containing N and S rich triazine based metallopolymer as a low overpotential acid stable electrocatalyst for hydrogen	2018,357,138- 146	10.1016/j.jcat.2017.11.009	6,844	40

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DRUG DISCOVERY TODAY	Richter, Lukasz; Janczuk-Richter, Marta; Niedziolka-Jonsson, Joanna; Paczesny, Jan; Holyst, Robert	Recent advances in bacteriophage-based methods for bacteria detection	2018,23,448-455	10.1016/j.drudis.2017.11.007	6,369	45
ENVIRONMENTAL SCIENCE & TECHNOLOGY	Kostenidou, Evangelia; Karnezi, Eleni; Kolodziejczyk, Agata; Szmigielski, Rafal; Pandis, Spyros N.	Physical and Chemical Properties of 3-Methyl-1,2,3-butanetricarboxylic Acid (MBTCA) Aerosol	2018,52,1150-1155	10.1021/acs.est.7b04348	6,198	45
ACS SUSTAINABLE CHEMISTRY & ENGINEERING	Paszkievicz-Gawron, Marta; Dlugokecka, Marta; Lisowski, Wojciech; Paganini, Maria Cristina; Giamello, Elio; Klimczuk, Tomasz; Paszkievicz, Monika; Grabowska, Ewelina; Zaleska-Medynska, Adriana; Luczak, Justyna	Dependence between Ionic Liquid Structure and Mechanism of Visible-Light-Induced Activity of TiO2 Obtained by Ionic-Liquid Assisted Solvothermal Synthesis	2018,6,3927-3937	10.1021/acssuschemeng.7b04291	5,951	40
SENSORS AND ACTUATORS B-CHEMICAL	Szymborski, Tomasz; Jankowski, Pawel; Garstecki, Piotr	Teflon microreactors for organic syntheses	2018,255,2274-2281	10.1016/j.snb.2017.09.035	5,401	40
CHEMISTRY-A EUROPEAN JOURNAL	Hamkalo, Michal; Fita, Piotr; Fedorynski, Michal; Makosza, Mieczyslaw	Interfacial Generation of a Carbanion: The Key Step of PTC Reaction Directly Observed by Second Harmonic Generation	2018,24,3975-3979	10.1002/chem.201705597	5,317	40

CHEMISTRY-A EUROPEAN JOURNAL	Wolska-Pietkiewicz, Malgorzata; Tokarska, Katarzyna; Grala, Agnieszka; Wojewodzka, Anna; Chwojnowska, Elzbieta; Grzonka, Justyna; Cywinski, Piotr J.; Kruczala, Krzysztof; Sojka, Zbigniew; Chudy, Michal; Lewinski, Janusz	Safe-by-Design Ligand-Coated ZnO Nanocrystals Engineered by an Organometallic Approach: Unique Physicochemical Properties and Low Toxicity toward Lung Cells	2018,24,4033- 4042	10.1002/chem.2017 04207	5,317	40
JOURNAL OF CHEMICAL THEORY AND COMPUTATION	Balawender, Robert; Lesiuk, Michal; De Proft, Frank; Geerlings, Paul	Exploring Chemical Space with Alchemical Derivatives: BN- Simultaneous Substitution Patterns in C-60	2018,14,1154- 1168	10.1021/acs.jctc.7b 01114	5,245	40
JOURNAL OF ORGANIC CHEMISTRY	Potopnyk, Mykhaylo A.; Lytvyn, Roman; Danyliv, Yan; Ceborska, Magdalena; Bezvikonnyi, Oleksandr; Volyniuk, Dmytro; Grazulevicius, Juozas Vidas	N,O pi-Conjugated 4-Substituted 1,3-Thiazole BF ₂ Complexes: Synthesis and Photophysical Properties	2018,83,1095- 1105	10.1021/acs.joc.7b0 2239	4,849	35
CARBOHYDRATE POLYMERS	Ceborska, Magdalena; Kedra- Krolik, Karolina; Kowalska, Aneta Aniela; Kozbial, Malgorzata	Comparative study of molecular recognition of folic acid subunits with cyclodextrins	2018,184,47-56	10.1016/j.carbpol.2 017.12.031	4,811	40
ELECTROCHIMICA ACTA	Lepicka, Kamila; Pieta, Piotr; Gupta, Ruma; Dabrowski, Marcin; Kutner, Wlodzimierz	A redox conducting polymer of a meso-Ni(II)-SaldMe monomer and its application for a multi-composite supercapacitor	2018,268,111- 120	10.1016/j.electacta. 2018.02.085	4,798	40
JOURNAL OF PHYSICAL CHEMISTRY C	Nakata, Satoshi; Kayahara, Katsuhiko; Yamamoto, Hiroya; Skrobanska, Paulina; Gorecki, Jerzy; Awazu, Akinori; Nishimori, Hiraku; Kitahata,	Reciprocating Motion of a Self- Propelled Rotor Induced by Forced Halt and Release Operations	2018,122,3482- 3487	10.1021/acs.jpcc.7b 12089	4,536	35

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ELECTROCHEMISTRY COMMUNICATIONS	Holdynski, Marcin; Dolinska, Joanna; Opallo, Marcin	Collisions of suspended Prussian Blue nanoparticles with a rotating disc electrode	2018,86,130-134	10.1016/j.elecom.2017.12.006	4,396	40
ULTRASONICS SONOCHEMISTRY	Colmenares, Juan Carlos; Nair, Vaishakh; Kuna, Ewelina; Lomot, Dariusz	Development of photocatalyst coated fluoropolymer based microreactor using ultrasound for water remediation	2018,41,297-302	10.1016/j.ultsonch.2017.09.053	4,218	45
SOFT MATTER	Vasilyev, Oleg A.; Dietrich, S.; Kondrat, Svyatoslav	Nonadditive interactions and phase transitions in strongly confined colloidal systems	2018,14,586-596	10.1039/c7sm01363a	3,889	40
SOFT MATTER	Derzsi, Ladislav; Filippi, Daniele; Lulli, Matteo; Mistura, Giampaolo; Bernaschi, Massimo; Garstecki, Piotr; Sbragaglia, Mauro; Pierno, Matteo	Wall fluidization in two acts: from stiff to soft roughness	2018,14,1088-1093	10.1039/c7sm02093g	3,889	40
ANALYST	Rambach, Richard W.; Biswas, Preetika; Yadav, Ashutosh; Garstecki, Piotr; Franke, Thomas	Fast selective trapping and release of picoliter droplets in a 3D microfluidic PDMS multi-trap system with bubbles	2018,143,843-849	10.1039/c7an01100h	3,885	40
PHOTOSYNTHESIS RESEARCH	Kowalska, Dorota; Szalkowski, Marcin; Ashraf, Khuram; Grzelak, Justyna; Lokstein, Heiko; Niedziolka-Jonsson, Joanna; Cogdell, Richard; Mackowski, Sebastian	Spectrally selective fluorescence imaging of <i>Chlorobaculum tepidum</i> reaction centers conjugated to chelator-modified silver nanowires	2018,135,329-336	10.1007/s11120-017-0455-y	3,864	40

NANOTECHNOLOGY	Kosiel, K.; Dominik, M.; Scislewska, I.; Kalisz, M.; Guzewicz, M.; Golaszewska, K.; Niedziolka-Jonsson, J.; Bock, W. J.; Smietana, M.	Alkali-resistant low-temperature atomic-layer-deposited oxides for optical fiber sensor overlays	2018,29,-	10.1088/1361-6528/aaa9a3	3,44	35
METROLOGIA	Menesguen, Y.; Lepy, M-C; Hoenicke, P.; Mueller, M.; Unterumsberger, R.; Beckhoff, B.; Hoszowska, J.; Dousse, J-Cl; Blachucki, W.; Ito, Y.; Yamashita, M.; Fukushima, S.	Experimental determination of the x-ray atomic fundamental parameters of nickel	2018,55,56-66	10.1088/1681-7575/aa9b12	3,411	35
APPLIED SURFACE SCIENCE	Przezdziecka, E.; Lisowski, W.; Reszka, A.; Kozanecki, A.	Evidence of magnesium impact on arsenic acceptor state: Study of ZnMgO:As molecular beam epitaxy layers	2018,435,676-679	10.1016/j.apsusc.2017.11.173	3,387	35
APPLIED SURFACE SCIENCE	Marchelek, Martyna; Grabowska, Ewelina; Klimczuk, Tomasz; Lisowski, Wojciech; Giamello, Elio; Zaleska-Medynska, Adriana	Studies on novel BiYXz-TiO2/SrTiO3 composites: Surface properties and visible light-driven photoactivity	2018,435,1174-1186	10.1016/j.apsusc.2017.11.139	3,387	35
APPLIED SURFACE SCIENCE	Krawczyk, Miroslaw; Lisowski, Wojciech; Pisarek, Marcin; Nikiforow, Kostiantyn; Jablonski, Aleksander	Surface characterization of low-temperature grown yttrium oxide	2018,437,347-356	10.1016/j.apsusc.2017.12.121	3,387	35
NEW JOURNAL OF CHEMISTRY	Karami, Kazem; Alinaghi, Moloud; Amirghofran, Zahra; Lipkowski, Janusz; Momtaziborojeni, Amir Abbas	A saccharinate-bridged palladacyclic dimer with a Pd-Pd bond: experimental and molecular docking studies of the interaction with DNA and BSA and in vitro cytotoxicity against human cancer cell lines	2018,42,574-586	10.1039/c7nj03138f	3,269	30

JOURNAL OF PHYSICAL CHEMISTRY B	Tenno, Ryoichi; Gunjima, You; Yoshii, Miyu; Kitahata, Hiroyuki; Gorecki, Jerzy; Suematsu, Nobuhiko J.; Nakata, Satoshi	Period of Oscillatory Motion of a Camphor Boat Determined by the Dissolution and Diffusion of Camphor Molecules	2018,122,2610-2615	10.1021/acs.jpcc.7b11903	3,177	30
JOURNAL OF ALLOYS AND COMPOUNDS	Radlik, Monika; Juszczak, Wojciech; Matus, Krzysztof; Szumelda, Tomasz; Drelinkiewicz, Alicja; Karpinski, Zbigniew	Generation of palladium silicide in the PdAu-SiO ₂ nanocomposites during heating in hydrogen	2018,735,349-354	10.1016/j.jallcom.2017.11.142	3,133	35
BEILSTEIN JOURNAL OF NANOTECHNOLOGY	Parnicka, Patrycja; Mazierski, Pawel; Grzyb, Tomasz; Lisowski, Wojciech; Kowalska, Ewa; Ohtani, Bunsho; Zaleska-Medynska, Adriana; Nadolna, Joanna	Influence of the preparation method on the photocatalytic activity of Nd-modified TiO ₂	2018,9,447-459	10.3762/bjnano.9.43	3,127	30
BEILSTEIN JOURNAL OF NANOTECHNOLOGY	Golabiewska, Anna; Paszkiewicz-Gawron, Marta; Sadzinska, Aleksandra; Lisowski, Wojciech; Grabowska, Ewelina; Zaleska-Medynska, Adriana; Luczak, Justyna	Fabrication and photoactivity of ionic liquid-TiO ₂ structures for efficient visible-light-induced photocatalytic decomposition of organic pollutants in aqueous phase	2018,9,580-590	10.3762/bjnano.9.54	3,127	30
APPLIED CLAY SCIENCE	Sudagar, Alcina; Andrejkovicova, Slavka; Patinha, Carla; Velosa, Ana; McAdam, Amy; da Silva, Eduardo Ferreira; Rocha, Fernando	A novel study on the influence of cork waste residue on metakaolin-zeolite based geopolymers	2018,152,196-210	10.1016/j.clay.2017.11.013	3,101	35

APPLIED CLAY SCIENCE	Wegrzyn, Agnieszka; Stawinski, Wojciech; Freitas, Olga; Komedera, Kamila; Blachowski, Artur; Jeczminek, Lukasz; Danko, Tomasz; Mordarski, Grzegorz; Figueiredo, Sonia	Study of adsorptive materials obtained by wet fine milling and acid activation of vermiculite	2018,155,37-49	10.1016/j.clay.2018.01.002	3,101	35
JOURNAL OF CHEMICAL PHYSICS	Kumagai, Takashi; Ladenthin, Janina N.; Litman, Yair; Rossi, Mariana; Grill, Leonhard; Gawinkowski, Sylwester; Waluk, Jacek; Persson, Mats	Quantum tunneling in real space: Tautomerization of single porphycene molecules on the (111) surface of Cu, Ag, and Au	2018,148,-	10.1063/1.5004602	2,965	35
JOURNAL OF PHYSICAL CHEMISTRY A	Szczepaniak, Urszula; Kolos, Robert; Gronowski, Marcin; Guillemin, Jean-Claude; Crepin, Claudine	Low Temperature Synthesis and Phosphorescence of Methylcyanotriacetylene	2018,122,89-99	10.1021/acs.jpca.7b09728	2,847	30
MATERIALS CHARACTERIZATION	Kuczynska, Donata; Kwasniak, Piotr; Pisarek, Marcin; Borowicz, Pawel; Garbacz, Halina	Influence of surface pattern on the biological properties of Ti grade 2	2018,135,337-347	10.1016/j.matchar.2017.09.024	2,714	40
SENSORS	Szalkowski, Marcin; Sulowska, Karolina; Grzelak, Justyna; Niedziolka-Jonsson, Joanna; Rozniecka, Ewa; Kowalska, Dorota; Mackowski, Sebastian	Wide-Field Fluorescence Microscopy of Real-Time Bioconjugation Sensing	2018,18,-	10.3390/s18010290	2,677	30
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	Gorski, Alexandr; Knyukshto, Valery; Zenkevich, Eduard; Starukhin, Alexander; Kijak, Michal; Solarski, Jedrzej; Semeikin, Alexander; Lyubimova, Tatjana	Temperature dependent steric hindrance effects in triplet state relaxation of meso-phenyl-substituted Pd-octaethylporphyrins	2018,354,101-111	10.1016/j.jphotochem.2017.09.002	2,625	25

SPECTROCHIMICA ACTA PART A- MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	Szady-Chelmieniecka, Anna; Kolodziej, Beata; Morawiak, Maja; Kamienski, Bohdan; Schilf, Wojciech	Spectroscopic studies of the intramolecular hydrogen bonding in o-hydroxy Schiff bases, derived from diaminomaleonitrile, and their deprotonation reaction products	2018,189,330- 341	10.1016/j.saa.2017. 08.028	2,536	30
SPECTROCHIMICA ACTA PART A- MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	Witkowska, Evelin; Jagielski, Tomasz; Kaminska, Agnieszka	Genus- and species-level identification of dermatophyte fungi by surface-enhanced Raman spectroscopy	2018,192,285- 290	10.1016/j.saa.2017. 11.008	2,536	30
SPECTROCHIMICA ACTA PART A- MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	Bartel, Marta; Wysocka, Barbara; Krug, Pamela; Kepinska, Dania; Kijewska, Krystyna; Blanchard, Gary J.; Kaczynska, Katarzyna; Lubelska, Katarzyna; Wiktorska, Katarzyna; Glowala, Paulina; Wilczek, Marcin; Pisarek, Marcin; Szczytko, Jacek; Twardowski, Andrzej; Mazur, Maciej	Magnetic polymer microcapsules loaded with Nile Red fluorescent dye	2018,195,148- 156	10.1016/j.saa.2018. 01.056	2,536	30
MATERIALS CHEMISTRY AND PHYSICS	Kolodziej, M.; Lalik, E.; Colmenares, J. C.; Lisowski, R.; Gurgul, J.; Duraczynska, D.; Drelinkiewicz, A.	Physicochemical and catalytic properties of Pd/MoO ₃ prepared by the sonophotodeposition method	2018,204,361- 372	10.1016/j.matchem phys.2017.10.060	2,084	30
MATERIALS CHEMISTRY AND PHYSICS	Sa, Jacinto; Garlisi, Corrado; Palmisano, Giovanni; Czapla- Masztafiak, Joanna; Kayser, Yves; Szlachetko, Jakub	Differences between bulk and surface electronic structure of doped TiO ₂ with soft-elements (C, N and S)	2018,208,281- 288	10.1016/j.matchem phys.2018.01.041	2,084	30

SURFACE SCIENCE	Jablonski, A.	Modeling and parameterization of photoelectrons emitted in condensed matter by linearly polarized synchrotron radiation	2018,667,121-137	10.1016/j.susc.2017.10.008	2,062	25
INORGANICA CHIMICA ACTA	Karami, Kazem; Alinaghi, Moloud; Amirghofran, Zahra; Lipkowski, Janusz	Synthesis and characterization of two new trans palladium (II) complexes containing benzylamine ligand: DNA/BSA interactions, molecular docking and in vitro cytotoxic activity	2018,471,797-807	10.1016/j.ica.2017.02.027	2,002	25
FORENSIC SCIENCE INTERNATIONAL	Olszowska, Izabela; Deacon, Paul; Lindsay, Maurice; Lesniewski, Adam; Niedziolka-Jonsson, Joanna; Farrugia, Kevin	An alternative carrier solvent for fingerprint enhancement reagents	2018,284,53-64	10.1016/j.forsciint.2017.12.012	1,989	40
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	Munteanu, G.; Petrova, P.; Ivanov, I.; Liotta, L. F.; Kaszkur, Z.; Tabakova, T.; Ilieva, L.	Temperature-programmed reduction of lightly yttrium-doped Au/CeO ₂ catalysts Correlation between oxygen mobility and WGS activity	2018,131,145-154	10.1007/s10973-017-6475-1	1,953	20
POLYHEDRON	Masternak, J.; Zienkiewicz-Machnik, M.; Kazmierczuk, K.; Barszcz, B.	Structural motifs in the Cu(II), Mn(II) and Zn(II) complexes based on N,N,N-donor dipodal or N,N,N,N-donor tripodal ligands obtained in situ: Synthesis, crystal structures and xanthine oxidase inhibition properties	2018,142,93-104	10.1016/j.poly.2017.12.012	1,926	30
LUMINESCENCE	Mal, Suraj; Pietraszkiewicz, Marek; Pietraszkiewicz, Oksana	Luminescent studies of binuclear ternary europium(III) pyridineoxide tetrazolate complexes containing bis-phosphine oxide as auxiliary co-ligands	2018,33,370-375	10.1002/bio.3423	1,509	15

REACTION KINETICS MECHANISMS AND CATALYSIS	Nowakowski, Bogdan; Kawczynski, Andrzej L.	Stochastic transitions between attractors in a tristable thermochemical system: competition between stable states	2018,123,189- 199	10.1007/s11144- 017-1294-8	1,264	15
SUPRAMOLECULAR CHEMISTRY	Dabrowa, Kajetan; Ceborska, Magdalena; Jurczak, Janusz	Solid-state entrapment of water clusters by 26-membered pentamide unclosed cryptands - probing the para-substituent effect	2018,30,464- 472	10.1080/10610278. 2017.1418877	1,264	25
JOURNAL OF MOLECULAR RECOGNITION	Kovalska, V.; Chernii, S.; Losytsky, M.; Ostapko, J.; Tretyakova, I.; Gorski, A.; Chernii, V.; Yarmoluk, S.	Activity of Zn and Mg phthalocyanines and porphyrazines in amyloid aggregation of insulin	2018,31,-	10.1002/jmr.2660	1,07	25
JOURNAL OF APPLIED SPECTROSCOPY	Knyukshto, V. N.; Starukhin, A. S.; Kruk, M. M.; Gorski, A. V.	Radiative Deactivation of Lowest Singlet and Triplet Excited States of Water-Soluble Porphyrins	2018,84,960- 965	10.1007/s10812- 018-0571-2	0,572	15
COGENT ENGINEERING	Fernando Colmenares- Quintero, Ramon; David Goez- Sanchez, German; Carlos Colmenares-Quintero, Juan	Route planning in real time for short-range aircraft with a constant- volume-combustor-gear turboprop to minimize operating costs by particle swarm optimization	2018,5,-	10.1080/23311916. 2018.1429984	0	0