

Tytuł czasopisma	Autorzy	Tytuł publikacji	Rok/tom/strony	DOI	IF	Punkty MNISW
ACS APPLIED MATERIALS & INTERFACES	Bartold, Katarzyna; Pietrzyk-Le, Agnieszka; Tan-Phat Huynh; Iskierko, Zofia; Sosnowska, Marta; Noworyta, Krzysztof; Lisowski, Wojciech; Sannicolo, Francesco; Cauteruccio, Silvia; Licandro, Emanuela; D'Souza, Francis; Kutner, Włodzimierz	Programmed Transfer of Sequence Information into a Molecularly Imprinted Polymer for Hexakis(2,2'-bithien-5-yl) DNA Analogue Formation toward Single-Nucleotide-Polymorphism Detection	2017, 9 (4), 3948-3958	10.1021/acsami.6b14340	7.145	40
ACTA PHYSICA POLONICA A	Olszewski, S.	Quantum Invariants Descending from the Joule-Lenz Law for the Dissipated Energy Applied in Calculating the Rate of Electron Transitions	2017, 131 (2), 226-231	10.12693/APhysPolA.131.226	0.525	15
ANALYTICAL AND BIOANALYTICAL CHEMISTRY	Witkowska, Evelin; Korsak, Dorota; Kowalska, Aneta; Ksiezopolska-Gocalska, Monika; Niedziolka-Jonsson, Joanna; Rozniecka, Ewa; Michalowicz, Weronika; Albrycht, Pawel; Podrazka, Marta; Holyst, Robert; Waluk, Jacek; Kaminska, Agnieszka	Surface-enhanced Raman spectroscopy introduced into the International Standard Organization (ISO) regulations as an alternative method for detection and identification of pathogens in the food industry	2017, 409 (6), 1555-1567	10.1007/s00216-016-0090-z	3.125	35
APPLIED CATALYSIS A-GENERAL	Tarka, Aleksandra; Zybert, Magdalena; Kindler, Zuzanna; Szmurlo, Jacek; Mierzwa, Boguslaw; Rarog-Pilecka, Wioletta	Effect of precipitating agent on the properties of cobalt catalysts promoted with cerium and barium for NH ₃ synthesis obtained by co-precipitation	2017, 532, 19-25	10.1016/j.apcata.2016.11.030	4.012	40
APPLIED CATALYSIS B-ENVIRONMENTAL	Mazierski, Pawel; Lisowski, Wojciech; Grzyb, Tomasz; Winiarski, Michal Jerzy; Klimczuk, Tomasz; Mikolajczyk, Alicja; Flisikowski, Jakub; Hirsch, Adam; Kolakowska, Agnieszka; Puzyn, Tomasz; Zaleska-Medynska, Adriana; Nadolna, Joanna	Enhanced photocatalytic properties of lanthanide-TiO ₂ nanotubes: An experimental and theoretical study	2017, 205, 376-385	10.1016/j.apcatb.2016.12.044	8.328	45
APPLIED CATALYSIS B-ENVIRONMENTAL	Bajorowicz, Beata; Nadolna, Joanna; Lisowski, Wojciech; Klimczuk, Tomasz; Zaleska-Medynska, Adriana	The effects of bifunctional linker and reflux time on the surface properties and photocatalytic activity of CdTe quantum dots decorated KTaO ₃ composite photocatalysts	2017, 203, 452-464	10.1016/j.apcatb.2016.10.027	8.328	45

APPLIED CATALYSIS B-ENVIRONMENTAL	Diak, Magdalena; Klein, Marek; Klimczuk, Tomasz; Lisowski, W. ; Remita, Hynd; Zaleska-Medynska, Adriana; Grabowska, Ewelina	Photoactivity of decahedral TiO ₂ loaded with bimetallic nanoparticles: Degradation pathway of phenol-1-C-13 and hydroxyl radical formation	2017, 200, 56- 71	10.1016/j.apcatb.2016.06.067	8.328	45
APPLIED SURFACE SCIENCE	Demchenko, Iraida N.; Lisowski, Wojciech ; Syryanyy, Yevgen; Melikhov, Yevgen; Zaytseva, Iryna; Konstantynov, Pavlo; Chernyshova, Maryna; Cieplak, Marta Z.	Use of XPS to clarify the Hall coefficient sign variation in thin niobium layers buried in silicon	2017, 399, 32- 40	10.1016/j.apsusc.2016.12.028	3.15	35
APPLIED SURFACE SCIENCE	Marchelek, M.; Grabowska, E.; Klimczuk, T.; Lisowski, W. ; Zaleska-Medynska, A.	Various types of semiconductor photocatalysts modified by CdTe QDs and Pt NPs for toluene photooxidation in the gas phase under visible light	2017, 393, 262-275	10.1016/j.apsusc.2016.10.009	3.15	35
BIOCONJUGATE CHEMISTRY	Janczuk, Marta; Richter, Lukasz ; Hoser, Grazyna; Kawiak, Jerzy; Los, Marcin; Niedziolka-Jonsson, Joanna ; Paczesny, Jan; Holyst, Robert	Bacteriophage-Based Bioconjugates as a Flow Cytometry Probe for Fast Bacteria Detection	2017, 28 (2), 419-425	10.1021/acs.bioconjchem.6b00596	4.5	35
BIOSENSORS & BIOELECTRONICS	Voccia, Diego; Sosnowska, Marta ; Bettazzi, Francesca; Roscigno, Giuseppina; Fratini, Emiliano; De Franciscis, Vittorio; Condorelli, Gerolama; Chitta, Raghu; D'Souza, Francis; Kutner, Wlodzimierz ; Palchetti, Ilaria	Direct determination of small RNAs using a biotinylated polythiophene impedimetric genosensor	2017, 87, 1012-1019	10.1016/j.bios.2016.09.058	7.476	40
CATALYSIS COMMUNICATIONS	Paun, Cristina; Gizinski, Damian ; Zienkiewicz-Machnik, Malgorzata ; Banas, Dariusz; Kubala-Kukus, Aldona; Sa, Jacinto	p-Nitrophenol flow hydrogenation with nano-Cu ₂ O grafted on polymeric resin	2017, 92, 61-64	10.1016/j.catcom.2017.01.003	3.389	30
CATALYSIS SCIENCE & TECHNOLOGY	Sa, Jacinto ; Fernandes, Daniel L. A.; Pavliuk, Mariia V.; Szlachetko, Jakub	Controlling dark catalysis with quasi half-cycle terahertz pulses	2017, 7 (5), 1050-1054	10.1039/c6cy02651f	5.287	35

CHEMICAL REVIEWS	Waluk, Jacek	Spectroscopy and Tautomerization Studies of Porphycenes	2017, 117 (4), 2447-2480	10.1021/acs.chemrev.6b00328	37.369	50
CHEMISTRY-A EUROPEAN JOURNAL	Lach, Patrycja; Sharma, Piyush Sindhu; Golebiewska, Karolina; Cieplak, Maciej; D'Souza, Francis; Kutner, Wlodzimierz	Molecularly Imprinted Polymer Chemosensor for Selective Determination of an N-Nitroso-L-proline Food Toxin	2017, 23 (8), 1942-1949	10.1002/chem.201604799	5.771	40
COMPUTER PHYSICS COMMUNICATIONS	Jablonski, A.	Multiple elastic scattering of electrons in condensed matter	2017, 210, 92- 102	10.1016/j.cpc.2016.08.018	3.635	45
COORDINATION CHEMISTRY REVIEWS	Soltys-Brzostek, Katarzyna; Michal; Sokolowski, Kamil; Lewinski, Janusz	Terlecki, Chemical fixation and conversion of CO2 into cyclic and cage-type metal carbonates	2017, 334, 199-231	10.1016/j.ccr.2016.10.008	12.994	50
CRYSTAL GROWTH & DESIGN	Dabrowa, Kajetan; Ceborska, Magdalena; Pawlak, Marcin; Jurczak, Janusz	Comparative Structural Studies of Four Homologous Thioamidic Unclosed Cryptands: Self-Encapsulation of Lariat Arm, Odd Even Effects, Anomalously Short S...S Chalcogen Bonding, and More	2017, 17 (2), 701-710	10.1021/acs.cgd.6b01551	4.425	35
DALTON TRANSACTIONS	Justyniak, Iwona; Prochowicz, Daniel; Tulewicz, Adam; Bury, Wojciech; Gos, Piotr; Lewinski, Janusz	Structure investigations of group 13 organometallic carboxylates	2017, 46 (3), 669-677	10.1039/c6dt03958h	4.177	40
DYES AND PIGMENTS	Jarzemska, Katarzyna N.; Kaminski, Radoslaw; Durka, Krzysztof; Kubsik, Marcin; Nawara, Krzysztof; Witkowska, Ewelina; Wiloch, Magdalena; Lulinski, Sergiusz; Waluk, Jacek; Glowacki, Ireneusz; Wozniak, Krzysztof	New class of easily-synthesizable and modifiable organic materials for applications in luminescent devices	2017, 138, 267-277	10.1016/j.dyepig.2016.11.039	4.055	40
DYES AND PIGMENTS	Bukowska, Patrycja; Piechowska, Joanna; Loska, Rafal	Azine-imidazole aza-BODIPY analogues with large Stokes shift	2017, 137, 312-321	10.1016/j.dyepig.2016.11.009	4.055	40

EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	Kornowicz, Arkadiusz; Terlecki, Michal; Prochowicz, Daniel ; Pichon, Celine; Justyniak, Iwona ; Bury, Wojciech; Wrobel, Zbigniew ; Sutter, Jean-Pascal; Lewinski, Janusz	Synthesis, Structure, and Magnetic Properties of a Mononuclear Chiral (Acetato)bis(aminoalkoxido) manganese(III) Complex	2017, 10, 1392-1395	10.1002/ejic.201700084	2.686	30
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	Kuzovnikov, M. A. ; Tkacz, M.	Dihydride formation in the palladium-rhodium alloys under high hydrogen pressure	2017, 42 (1), 340-346	10.1016/j.ijhydene.2016.11.133	3.205	30
JOURNAL OF ALLOYS AND COMPOUNDS	Kuzovnikov, M. A. ; Meng, H. ; Tkacz, M.	Nonstoichiometric molybdenum hydride	2017, 694, 51-54	10.1016/j.jallcom.2016.09.288	3.014	35
JOURNAL OF CHEMICAL PHYSICS	Osior, Agnieszka; Kalicki, Przemyslaw; Kamienski, Bohdan; Szymanski, Slawomir ; Bernatowicz, Piotr ; Shkurenko, Aleksander	Nonclassical dynamics of the methyl group in 1,1,1-triphenylethane. Evidence from powder H-1 NMR spectra	2017, 146, (10)	10.1063/1.4978226	2.894	35
JOURNAL OF COLLOID AND INTERFACE SCIENCE	Kedra-Krolak, Karolina ; Rosso, Kevin M.; Zarzycki, Piotr	Probing size-dependent electrokinetics of hematite aggregates	2017, 488, 218-224	10.1016/j.jcis.2016.11.004	3.782	30
JOURNAL OF MATERIALS CHEMISTRY C	Iskierko, Z. ; Checinska, A.; Sharma, P. S. ; Golebiewska, K. ; Noworyta, K. ; Borowicz, P. ; Fronc, K.; Bandi, V.; D'Souza, F.; Kutner, W.	Molecularly imprinted polymer based extended-gate field-effect transistor chemosensors for phenylalanine enantioselective sensing	2017, 5 (4), 969-977	10.1039/c6tc03812c	5.066	40
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	Fernandes, Daniel L. A.; Budinska, Alena; Pavlik, Manila V.; Sa, Jacinto	Novel photo-reactor for fast screening of photo-catalytic systems	2017, 335, 36-39	10.1016/j.jphotochem.2016.11.015	2.477	25
JOURNAL OF PHYSICAL CHEMISTRY A	Szupiluk, Artur; Bernatowicz, Piotr ; Ratajczyk, Tomasz ; Szymanski, Slawomir	Frozen Rotation of the Ammonium Group Observed for the First Time in Liquid-Phase NMR Spectra	2017, 121, 2, 544-552	10.1021/acs.jpca.6b11812	2.883	30

JOURNAL OF PHYSICAL CHEMISTRY LETTERS	Czapla-Masztafiak, Joanna; Nogueira, Juan J.; Lipiec, Ewelina; Kwiatek, Wojciech M.; Wood, Bayden R.; Deacon, Glen B.; Kayser, Yves; Fernandes, Daniel L. A.; Pavliuk, Mariia V.; Szlachetko, Jakub; Gonzalez, Leticia; Sa, Jacinto	Direct Determination of Metal Complexes' Interaction with DNA by Atomic Telemetry and Multiscale Molecular Dynamics	2017, 8 (4), 805-811	10.1021/acs.jpcllett.7b00070	8.539	45
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	Kontrym-Sznajd, G.; Holas, A.	Lattice harmonics expansion revisited	2017, 103, 116-122	10.1016/j.jpcs.2016.12.003	2.048	25
LANGMUIR	Sobczak, Grzegorz; Wojciechowski, Tomasz; Sashuk, Volodymyr	Submicron Colloidosomes of Tunable Size and Wall Thickness	2017, 33 (7), 1725-1731	10.1021/acs.langmuir.6b04159	3.993	35
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	Witkowska, Evelin; Szymborski, Tomasz; Kaminska, Agnieszka; Waluk, Jacek	Polymer mat prepared via Forcespinning (TM) as a SERS platform for immobilization and detection of bacteria from blood plasma	2017, 71, 345- 350	10.1016/j.msec.2016.10.027	3.42	30
METHODS AND APPLICATIONS IN FLUORESCENCE	Gil, Michal; Kijak, Michal; Piwonski, Hubert; Herbich, Jerzy; Waluk, Jacek	Non-typical fluorescence studies of excited and ground state proton and hydrogen transfer	2017, 5 (1), 014007	10.1088/2050-6120/aa5e29	2.429	25
MICROMACHINES	Czekalska, Magdalena A.; Kaminski, Tomasz S.; Horka, Michal; Jakiela, Slawomir; Garstecki, Piotr	An Automated Microfluidic System for the Generation of Droplet Interface Bilayer Networks	2017, 8 (3), 93	10.3390/mi8030093	1.295	30
MICROPOROUS AND MESOPOROUS MATERIALS	Kaminska, Izabela I.; Lisovytskiy, Dmytro; Casale, Sandra; Srebowata, Anna; Dzwigaj, Stanislaw	Influence of preparation procedure on catalytic activity of PdBEA zeolites in aqueous phase hydrodechlorination of 1,1,2-trichloroethene	2017, 237, 65-73	10.1016/j.micromeso.2016.09.023	3.349	35
MOLECULES	Magdziarz, Agnieszka; Colmenares, Juan C.	In Situ Coupling of Ultrasound to Electro- and Photo-Deposition Methods for Materials Synthesis	2017, 22 (2), 216	10.3390/molecules22020216	2.465	30

NATURE CHEMISTRY	Kubas, Adam ; Orain, Christophe; De Sancho, David; Saujet, Laure; Sensi, Matteo; Gauquelin, Charles; Meynial-Salles, Isabelle; Soucaille, Philippe; Bottin, Herve; Baffert, Carole; Fourmond, Vincent; Best, Robert B.; Blumberger, Jochen; Leger, Christophe	Mechanism of O-2 diffusion and reduction in FeFe hydrogenases	2017, 9 (1), 88-95	10.1038/NCHEM.2592	27.89 3	50
OPTICS LETTERS	Szczepanek, Jan; Kardas, Tomasz M.; Radzewicz, Czeslaw; Stepanenko, Yuriy	Ultrafast laser mode-locked using nonlinear polarization evolution in polarization maintaining fibers	2017, 42 (3), 575-578	10.1364/OL.42.000575	3.04	35
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	Shylin, Sergii I.; Ksenofontov, Vadim; Naumov, Pavel G.; Medvedev, Sergey A.; Tsurkan, Vladimir; Deisenhofer, Joachim; Loidl, Alois; Schoop, Leslie M.; Palasyuk, Taras ; Wortmann, Gerhard; Felser, Claudia	Pressure effect on superconductivity in FeSe _{0.5} Te _{0.5}	2017, 254 (1), UNSP 1600161	10.1002/pssb.201600161	1.522	20
PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Gizynski, Konrad ; Gorecki, Jerzy	Chemical memory with states coded in light controlled oscillations of interacting Belousov-Zhabotinsky droplets	2017, 19 (9), 6519-6531	10.1039/c6cp07492h	4.449	40
PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Fita, P.; Grill, L.; Listkowski, A.; Piwonski, H. ; Gawinkowski, S. ; Pszona, M. ; Sepiol, J. ; Mengesha, E. ; Kumagai, T.; Waluk, J.	Spectroscopic and microscopic investigations of tautomerization in porphycenes: condensed phases, supersonic jets, and single molecule studies	2017, 19 (7), 4921-4937	10.1039/c6cp07955e	4.449	40
PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Angulo, Gonzalo ; Milkiewicz, Jadwiga ; Kattinig, Daniel ; Nejbauer, Michal ; Stepanenko, Yuriy ; Szczepanek, Jan; Radzewicz, Czeslaw ; Wnuk, Pawel ; Grampp, Guenter	Influence of the excitation light intensity on the rate of fluorescence quenching reactions: pulsed experiments	2017, 19 (8), 6274-6285	10.1039/c6cp08562hS	4.449	40
PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Gabka, Grzegorz; Bujak, Piotr; Kotwica, Kamil; Ostrowski, Andrzej; Lisowski, Wojciech ; Sobczak, Janusz W. ; Pron, Adam	Luminophores of tunable colors from ternary Ag-In-S and quaternary Ag-In-Zn-S nanocrystals covering the visible to near-infrared spectral range	2017, 19 (2), 1217-1228	10.1039/c6cp07008f	4.449	40
PHYSICAL REVIEW E	Bafi, N. Farahmand; Maciolek, A. ; Dietrich, S.	Tricritical Casimir forces and order parameter profiles in wetting films of He-3- He-4 mixtures	2017, 95 (3), 032802	10.1103/PhysRevE.95.032802	2.252	35
SCIENTIFIC REPORTS	Debski, Pawel R. ; Gewartowski, Kamil; Bajer, Seweryn; Garstecki, Piotr	Calibration-free assays on standard real-time PCR devices	2017, 7, 44854	10.1038/srep44854	5.228	40

SCIENTIFIC REPORTS	Kardas, Tomasz M.; Nejbauer, Michal; Wnuk, Pawel ; Resan, Bojan; Radzewicz, Czeslaw ; Wasylczyk, Piotr	Full 3D modelling of pulse propagation enables efficient nonlinear frequency conversion with low energy laser pulses in a single-element tripler	2017, 7, 42889	10.1038/srep42889	5.228	40
SOFT MATTER	Holyst, Robert; Poniewierski, Andrzej; Zhang, Xuzhu	Analytical form of the autocorrelation function for the fluorescence correlation spectroscopy	2017, 13 (6), 1267-1275	10.1039/c6sm02643e	3.798	40
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	Gorski, A.; Starukhin, A. ; Stavrov, S.; Gawinkowski, S.; Waluk, J.	Resonance Raman spectroscopy study of protonated porphyrin	2017, 173, 350-355	10.1016/j.saa.2016.09.038	2.653	30
TETRAHEDRON	Branowska, Danuta; Olender, Ewa; Swietochowska, Monika; Karczmarzyk, Zbigniew; Wysocki, Waldemar; Cichosz, Iwona; Wozna, Agnieszka; Urbanczyk-Lipkowska, Zofia; Kalicki, Przemyslaw; Gil, Michal	Synthesis and optical properties of some 3,4-(ethylenedioxythiophen-2-yl)-1,2,4-triazine derivatives	2017, 73 (4), 411-417	10.1016/j.tet.2016.12.030	2.645	30
TOPICS IN CURRENT CHEMISTRY	Chatel, Gregory; Colmenares, Juan Carlos	Sonochemistry: from Basic Principles to Innovative Applications	2017, 375, 1-8	10.1007/s41061-016-0096-1	4.014	35

