

CZASOPISMO	AUTORZY	TYTUŁ	ROK, TOM, IF STRONY	IF	DOI
NATURE	Drozdov, A. P.; Kong, P. P.; Minkov, V. S.; Besedin, S. P.; Kuzovnikov, M. A.; Mozaffari, S.; Balicas, L.; Balakirev, F. F.; Graf, D. E.; Prakapenka, V. B.; Greenberg, E.; Knyazev, D. A.; Tkacz, M.; Eremets, M. I.	Superconductivity at 250 K in lanthanum hydride under high pressures	2019; 569; 528-+;	43,07	10.1038/s41586-019-1201-8
ADVANCED ENERGY MATERIALS	Tavakoli, Mohammad Mahdi; Yadav, Pankaj; Prochowicz, Daniel; Sponseller, Melany; Oshero, Anna; Bulovic, Vladimir; Kong, Jing	Controllable Perovskite Crystallization via Antisolvent Technique Using Chloride Additives for Highly Efficient Planar Perovskite Solar Cells	2019; 9; -; 1803587	24,884	10.1002/aenm.201803587
NATURE PHYSICS	Cybulski, O.; Garstecki, P.; Grzybowski, B. A.	Oscillating droplet trains in microfluidic networks and their suppression in blood flow	2019; 15; 706-713;	20,113	10.1038/s41567-019-0486-8
ADVANCED FUNCTIONAL MATERIALS	Maciejczyk, Michal R.; Zhang, Shuyu; Hedley, Gordon J.; Robertson, Neil; Samuel, Ifor D. W.; Pietraszkiewicz, Marek	Monothiatruxene-Based, Solution-Processed Green, Sky-Blue, and Deep-Blue Organic Light-Emitting Diodes with Efficiencies Beyond 5% Limit	2019; 29; -; UNSP 1807572	15,621	10.1002/adfm.201807572
APPLIED CATALYSIS B-ENVIRONMENTAL	Giannakoudakis, Dimitrios A.; Nair, Vaishakh; Khan, Ayesha; Deliyanni, Eleni A.; Colmenares, Juan Carlos; Triantafyllidis, Konstantinos S.	Additive-free photo-assisted selective partial oxidation at ambient conditions of 5-hydroxymethylfurfural by manganese (IV) oxide nanorods	2019; 256; -; UNSP 117803	14,229	10.1016/j.apcatb.2019.117803
APPLIED CATALYSIS B-ENVIRONMENTAL	Pieta, Izabela S.; Rathi, Anuj; Pieta, Piotr; Nowakowski, Robert; Holdynski, Marcin; Pisarek, Marcin; Kaminska, Agnieszka; Gawande, Manoj B.; Zboril, Radek	Electrocatalytic methanol oxidation over Cu, Ni and bimetallic Cu-Ni nanoparticles supported on graphitic carbon nitride	2019; 244; 272-283;	14,229	10.1016/j.apcatb.2018.10.072
TRENDS IN BIOTECHNOLOGY	Bartold, Katarzyna; Pietrzyk-Le, Agnieszka; D'Souza, Francis; Kutner, Włodzimierz	Oligonucleotide Analogs and Mimics for Sensing Macromolecular Biocompounds	2019; 37; 1051-1062	13,747	10.1016/j.tibtech.2019.04.003
NANO LETTERS	Kaminska, I.; Bohlen, J.; Rocchetti, S.; Selbach, F.; Acuna, G. P.; Tinnefeld, P.	Distance Dependence of Single-Molecule Energy Transfer to Graphene	2019; 19; 4257-4262	12,279	10.1021/acs.nanolett.9b00172

		Measured with DNA Origami Nanopositioners			
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	Rad, Nazar; Danylyuk, Oksana; Sashuk, Volodymyr	Reversing Chemoselectivity: Simultaneous Positive and Negative Catalysis by Chemically Equivalent Rims of a Cucurbit[7]uril Host	2019; 58; 11340-11343	12,257	10.1002/anie.201905027
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	Pietrzak, Tomasz; Justyniak, Iwona; Kubisiak, Marcin; Bojarski, Emil; Lewinski, Janusz	An In-Depth Look at the Reactivity of Non-Redox-Metal Alkylperoxides	2019; 58; 8526-8530	12,257	10.1002/anie.201904380
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	Costantini, Marco; Jaroszewicz, Jakub; Kozon, Lukasz; Szlajak, Karol; Swieszkowski, Wojciech; Garstecki, Piotr; Stubenrauch, Cosima; Barbetta, Andrea; Guzowski, Jan	3D-Printing of Functionally Graded Porous Materials Using On-Demand Reconfigurable Microfluidics	2019; 58; 7620-7625	12,257	10.1002/anie.201900530
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	Roszak, Rafal; Bajczyk, Michal D.; Gajewska, Ewa P.; Holyst, Robert; Grzybowski, Bartosz A.	Propagation of Oscillating Chemical Signals through Reaction Networks	2019; 58; 4520-4525	12,257	10.1002/anie.201808821
NATURE COMMUNICATIONS	Korczyk, Piotr M.; van Steijn, Volkert; Blonski, Slawomir; Zaremba, Damian; Beattie, David A.; Garstecki, Piotr	Accounting for corner flow unifies the understanding of droplet formation in microfluidic channels	2019; 10; -; 2528	11,878	10.1038/s41467-019-10505-5
SMALL	Ostrovidov, Serge; Salehi, Sahar; Costantini, Marco; Suthiwanich, Kasinan; Ebrahimi, Majid; Sadeghian, Ramin Banan; Fujie, Toshinori; Shi, Xuetao; Cannata, Stefano; Gargioli, Cesare; Tamayol, Ali; Dokmeci, Mehmet Remzi; Orive, Gorka; Swieszkowski, Wojciech; Khademhosseini, Ali	3D Bioprinting in Skeletal Muscle Tissue Engineering	2019; 15; -; 1805530	10,856	10.1002/smll.201805530
JOURNAL OF MATERIALS	Tavakoli, Mohammad Mahdi; Dastjerdi, Hadi Tavakoli; Prochowicz, Daniel;	Highly efficient and stable inverted perovskite solar cells using down-	2019; 7; 14753-	10,733	10.1039/c9ta03131f

CHEMISTRY A	Yadav, Pankaj; Tavakoli, Rouhollah; Saliba, Michael; Fan, Zhiyong	shifting quantum dots as a light management layer and moisture-assisted film growth	14760		
JOURNAL OF MATERIALS CHEMISTRY A	Kubicki, Dominik J.; Prochowicz, Daniel; Pinon, Arthur; Stevanato, Gabriele; Hofstetter, Albert; Zakeeruddin, Shaik M.; Gratzel, Michael; Emsley, Lyndon	Doping and phase segregation in Mn ²⁺ - and Co ²⁺ -doped lead halide perovskites from Cs-133 and H-1 NMR relaxation enhancement	2019; 7; 2326-2333	10,733	10.1039/c8ta11457a
CHEMISTRY OF MATERIALS	Prochowicz, Daniel; Runjhun, Rashmi; Tavakoli, Mohammad Mahdi; Yadav, Pankaj; Saski, Marcin; Alanazi, Anwar Q.; Kubicki, Dominik J.; Kaszkur, Zbigniew; Zakeeruddin, Shaik M.; Lewinski, Janusz; Gratzel, Michael	Engineering of Perovskite Materials Based on Formamidinium and Cesium Hybridization for High-Efficiency Solar Cells	2019; 31; 1620-1627	10,159	10.1021/acs.chemmater.8b04871
CHEMICAL SCIENCE	Budny-Godlewski, Krzysztof; Justyniak, Iwona; Leszczynski, Micha K.; Lewinski, Janusz	Mechanochemical and slow-chemistry radical transformations: a case of diorganozinc compounds and TEMPO	2019; 10; 7149-7155	9,556	10.1039/c9sc01396b
BIOSENSORS & BIOELECTRONICS	Piestrzynska, Monika; Dominik, Magdalena; Kosiel, Kamil; Janczuk-Richter, Marta; Szot-Karpinska, Katarzyna; Brzozowska, Ewa; Shao, Liyang; Niedziolka-Jonsson, Joanna; Bock, Wojtek J.; Smietana, Mateusz	Ultrasensitive tantalum oxide nano-coated long-period gratings for detection of various biological targets	2019; 133; 15-sie;	9,518	10.1016/j.bios.2019.03.006
GREEN CHEMISTRY	Nair, Vaishakh; Colmenares, Juan Carlos; Lisovytskiy, Dmytro	Ultrasound assisted ZnO coating in a microflow based photoreactor for selective oxidation of benzyl alcohol to benzaldehyde	2019; 21; 1241-1246	9,405	10.1039/c8gc03131b
OPTICA	Stremplewski, Patrycjusz; Aukorius, Egidijus; Wnuk, Pawel; Kozon, Lukasz; Garstecki, Piotr; Wojtkowski, Maciej	In vivo volumetric imaging by crosstalk-free full-field OCT	2019; 6; 608-617;	9,263	10.1364/OPTICA.6.000608
ACS APPLIED MATERIALS & INTERFACES	Dastjerdi, Hadi Tavakoli; Tavakoli, Rouhollah; Yadav, Pankaj; Prochowicz, Daniel; Saliba, Michael; Tavakoli, Mohammad Mandi	Oxygen Plasma-Induced p-Type Doping Improves Performance and Stability of PbS Quantum Dot Solar Cells	2019; 11; 26047-26052	8,456	10.1021/acsami.9b08466

ACS APPLIED MATERIALS & INTERFACES	Andrzejczuk, Mariusz; Roguska, Agata; Pisarek, Marcin; Kedzierzawski, Piotr; Lewandowska, Malgorzata	Effect of Pt Deposits on TiO2 Electro-catalytic Activity Highlighted by Electron Tomography	2019; 11; 18841-18848	8,456	10.1021/acsami.9b03932
ACS APPLIED MATERIALS & INTERFACES	Darowski, Marcin; Ziminska, Agnieszka; Kalecki, Jakub; Cieplak, Maciej; Lisowski, Wojciech; Maksym, Radoslaw; Shao, Shuai; D'Souza, Francis; Kuhn, Alexander; Sharma, Piyush S.	Facile Fabrication of Surface-Imprinted Macroporous Films for Chemosensing of Human Chorionic Gonadotropin Hormone	2019; 11; 9265-9276	8,456	10.1021/acsami.8b17951
CURRENT OPINION IN BIOTECHNOLOGY	Scheler, Ott; Postek, Witold; Garstecki, Piotr	Recent developments of microfluidics as a tool for biotechnology and microbiology	2019; 55; 60-67;	8,083	10.1016/j.copbio.2018.08.004
CHEMSUSCHEM	Nair, Vaishakh; Munoz-Batista, Mario J.; Fernandez-Garcia, Marcos; Luque, Rafael; Colmenares, Juan Carlos	Thermo-Photocatalysis: Environmental and Energy Applications	2019; 12; 2098-2116	7,804	10.1002/cssc.201900175
JOURNAL OF PHYSICAL CHEMISTRY LETTERS	Kondrat, Svyatoslav; Vasilyev, Oleg A.; Kornyshev, Alexei A.	Feeling Your Neighbors across the Walls: How Interpore Ionic Interactions Affect Capacitive Energy Storage	2019; 10; 4523-4527	7,329	10.1021/acs.jpcllett.9b01623
JOURNAL OF PHYSICAL CHEMISTRY LETTERS	Hattori, Yocef; Abdellah, Mohamed; Meng, Jie; Zheng, Kaibo; Sa, Jacinto	Simultaneous Hot Electron and Hole Injection upon Excitation of Gold Surface Plasmon	2019; 10; 3140-3146	7,329	10.1021/acs.jpcllett.9b01085
JOURNAL OF PHYSICAL CHEMISTRY LETTERS	Boeckmann, Hannes; Mueller, Melanie; Hammud, Adnan; Willinger, Marc-Georg; Pszona, Maria; Waluk, Jacek; Wolf, Martin; Kumagai, Takashi	Near-Field Spectral Response of Optically Excited Scanning Tunneling Microscope Junctions Probed by Single-Molecule Action Spectroscopy	2019; 10; 2068-2074	7,329	10.1021/acs.jpcllett.9b00822
JOURNAL OF PHYSICAL CHEMISTRY LETTERS	Pavliuk, Mariia V.; Alvarez, Sol Gutierrez; Hattori, Yocef; Messing, Maria E.; Czaplak-Masztafiak, Joanna; Szlachetko, Jakub; Silva, Jose L.; Araujo, Carlos Moyses; Fernandes, Daniel L. A.; Lu, Li; Kiely, Christopher J.; Abdellah,	Hydrated Electron Generation by Excitation of Copper Localized Surface Plasmon Resonance	2019; 10; 1743-1749	7,329	10.1021/acs.jpcllett.9b00792

	Mohamed; Nordlander, Peter; Sa, Jacinto				
BIOFABRICATION	Idaszek, Joanna; Costantini, Marco; Karlsen, Tommy A.; Jaroszewicz, Jakub; Colosi, Cristina; Testa, Stefano; Fornetti, Ersilia; Bernardini, Sergio; Seta, Martyna; Kasarello, Kaja; Wrzesien, Robert; Cannata, Stefano; Barbetta, Andrea; Gargioli, Cesare; Brinchman, Jan E.; Swieszkowski, Wojciech	3D bioprinting of hydrogel constructs with cell and material gradients for the regeneration of full-thickness chondral defect using a microfluidic printing head	2019; 11; -; 44101	7,236	10.1088/1758-5090/ab2622
BIOFABRICATION	Kosik-Kozioł, Alicja; Costantini, Marco; Mroz, Anna; Idaszek, Joanna; Heljak, Marcin; Jaroszewicz, Jakub; Kijenska, Ewa; Szoke, Krisztina; Frerker, Nadine; Barbetta, Andrea; Brinchmann, Jan E.; Swieszkowski, Wojciech	3D bioprinted hydrogel model incorporating beta-tricalcium phosphate for calcified cartilage tissue engineering	2019; 11; -; UNSP 035016	7,236	10.1088/1758.5090/ab15cb
BIOFABRICATION	Costantini, Marco; Colosi, Cristina; Swieszkowski, Wojciech; Barbetta, Andrea	Co-axial wet-spinning in 3D bioprinting: state of the art and future perspective of microfluidic integration	2019; 11; -; 12001	7,236	10.1088/1758-5090/aae605
LAB ON A CHIP	Opalski, Adam S.; Makuch, Karol; Lai, Yu-Kai; Derzsi, Ladislav; Garstecki, Piotr	Grooved step emulsification systems optimize the throughput of passive generation of monodisperse emulsions	2019; 19; 1183-1192	6,914	10.1039/c8lc01096j
JOURNAL OF MATERIALS CHEMISTRY C	Prochowicz, Daniel; Tavakoli, Mohammad Mahdi; Solanki, Ankur; Goh, Teck Wee; Sum, Tze Chien; Yadav, Pankaj	Correlation of recombination and open circuit voltage in planar heterojunction perovskite solar cells	2019; 7; 1273-1279	6,641	10.1039/c8tc05837g
SENSORS AND ACTUATORS B-CHEMICAL	Zembrzuska, Dorota; Kalecki, Jakub; Cieplak, Maciej; Lisowski, Wojciech; Borowicz, Pawel; Noworyta, Krzysztof; Sharma, Piyush Sindhu	Electrochemically initiated co-polymerization of monomers of different oxidation potentials for molecular imprinting of electroactive analyte	2019; 298; -; 126884	6,393	10.1016/j.snb.2019.126884
SENSORS AND	Szot-Karpinska, Katarzyna; Lesniewski,	Electrodes modified with	2019; 287;	6,393	10.1016/j.snb.2019.01.148

ACTUATORS B-CHEMICAL	Adam; Jonsson-Niedziolka, Martin; Marken, Frank; Niedziolka-Jonsson, Joanna	bacteriophages and carbon nanofibres for cysteine detection	78-85;		
SENSORS AND ACTUATORS B-CHEMICAL	Czekalska, Magdalena A.; Kaminski, Tomasz S.; Makuch, Karol; Garstecki, Piotr	Passive and parallel microfluidic formation of droplet interface bilayers (DIBs) for measurement of leakage of small molecules through artificial phospholipid membranes	2019; 286; 258-265;	6,393	10.1016/j.snb.2019.01.143
SENSORS AND ACTUATORS B-CHEMICAL	Janczuk-Richter, Marta; Piestrzynska, Monika; Burnat, Dariusz; Sezemsky, Petr; Stranak, Vitterslav; Bock, Wojtek J.; Bogdanowicz, Robert; Niedziolka-Jonsson, Joanna; Smietana, Mateusz	Optical investigations of electrochemical processes using a long-period fiber grating functionalized by indium tin oxide	2019; 279; 223-229;	6,393	10.1016/j.snb.2018.10.001
JOURNAL OF COLLOID AND INTERFACE SCIENCE	Prus, Marzena; Szymanek, Karolina; Mills, Jennifer; Lammers, Laura Nielsen; Piasecki, Wojciech; Kedra-Krolik, Karolina; Zarzycki, Piotr	Electrophoretic and potentiometric signatures of multistage CaCO ₃ nucleation	2019; 544; 249-256;	6,361	10.1016/j.jcis.2019.03.002
ANALYTICAL CHEMISTRY	Kundys-Siedlecka, Magdalena; Baczynska, Ewa; Jonsson-Niedziolka, Martin	Electrochemical Detection of Dopamine and Serotonin in the Presence of Interferences in a Rotating Droplet System	2019; 91; 10908-10913	6,35	10.1021/acs.analchem.9b02967
ANALYTICAL CHEMISTRY	Lach, Patrycja; Cieplak, Maciej; Majewska, Marta; Noworyta, Krzysztof R.; Sharma, Piyush Sindhu; Kutner, Wlodzimierz	Gate Effect in p-Synephrine Electrochemical Sensing with a Molecularly Imprinted Polymer and Redox Probes	2019; 91; 7546-7553	6,35	10.1021/acs.analchem.8b05512
ANALYTICAL CHEMISTRY	Nawara, Krzysztof; Waluk, Jacek	Goodbye to Quinine in Sulfuric Acid Solutions as a Fluorescence Quantum Yield Standard	2019; 91; 5389-5394	6,35	10.1021/acs.analchem.9b00583
ADVANCED HEALTHCARE MATERIALS	Rinoldi, Chiara; Costantini, Marco; Kijenska-Gawronska, Ewa; Testa, Stefano; Fornetti, Ersilia; Heljak, Marcin; Cwiklinska, Monika; Buda, Robert; Baldi, Jacopo; Cannata,	Tendon Tissue Engineering: Effects of Mechanical and Biochemical Stimulation on Stem Cell Alignment on Cell-Laden Hydrogel Yarns	2019; 8; -; 1801218	6,27	10.1002/adhm.201801218

	Stefano; Guzowski, Jan; Gargioli, Cesare; Khademhosseini, Ali; Swieszkowski, Wojciech				
CARBOHYDRATE POLYMERS	Asztemborska, Monika; Ceborska, Magdalena; Pietrzak, Mariusz	Complexation of tropane alkaloids by cyclodextrins	2019; 209; 74-81;	6,044	10.1016/j.carbpol.2019.01.011
CATALYSIS SCIENCE & TECHNOLOGY	Goncalves, Leticia C. P.; Mansouri, Hamid R.; PourMehdi, Shads; Abdellah, Mohamed; Fadiga, Bruna S.; Bastos, Erick L.; Sa, Jacinto; Mihovilovic, Marko D.; Rudroffe, Florian	Boosting photobioredox catalysis by morpholine electron donors under aerobic conditions	2019; 9; 2682-2688	5,726	10.1039/c9cy00496c
CATALYSIS SCIENCE & TECHNOLOGY	Goncalves, Leticia C. P.; Mansouri, Hanild R.; Bastos, Erick L.; Abdellah, Mohamed; Fadiga, Bruna S.; Sa, Jacinto; Rudroff, Florian; Mihovilovic, Marko D.	Morpholine-based buffers activate aerobic photobiocatalysis via spin correlated ion pair formation	2019; 9; 1365-1371	5,726	10.1039/c8cy02524j
CATALYSIS SCIENCE & TECHNOLOGY	Sa, Jacinto; Fernandes, Daniel L. A.; Pavliuk, Mariia V.; Szlachetko, Jakub	Controlling dark catalysis with quasi half-cycle terahertz pulses (vol 7, pg 1050, 2017)	2019; 9; 517-517;	5,726	10.1039/c8cy90096e
PHOTONICS RESEARCH	Boguslawski, Jakub; Sobon, Grzegorz; Zybala, Rafal; Sotor, Jaroslaw	Towards an optimum saturable absorber for the multi-gigahertz harmonic mode locking of fiber lasers	2019; 7; 1094-1100	5,522	10.1364/PRJ.7.001094
MICROCHIMICA ACTA	Khan, Faria; Akhtar, Naeem; Jalal, Nasir; Hussain, Irshad; Szmigielski, Rafal; Hayat, Muhammad Qasim; Ahmad, Hafiz B.; El-Said, Waleed A.; Yang, Minghui; Janjua, Hussnain Ahmed	Carbon-dot wrapped ZnO nanoparticle-based photoelectrochemical sensor for selective monitoring of H ₂ O ₂ released from cancer cells	2019; 186; - ;	5,479	10.1007/s00604-019-3227-x
ELECTROCHIMICA ACTA	Lepicka, Kamila; Pieta, Piotr; Francius, Gregory; Walcarius, Alain; Kutner, Wlodzimierz	Structure-reactivity requirements with respect to nickel-salen based polymers for enhanced electrochemical stability	2019; 315; 75-83;	5,383	10.1016/j.electacta.2019.05.075
ELECTROCHIMICA ACTA	Podrazka, Marta; Maciejewska, Julia; Adamiak, Wojciech; Nery, Emilia Witkowska; Jonsson-Niedziolka, Martin	Facilitated cation transfer at a three-phase junction and its applicability for ionophore evaluation	2019; 307; 326-333;	5,383	10.1016/j.electacta.2019.03.201

ELECTROCHIMICA ACTA	Vishwanath, R. S.; Nery, Emilia Witkowska; Jonsson-Niedziolka, Martin	Electrochemistry of selected quinones at immiscible n-octyl-2-pyrrolidone/aqueous interface using a three-phase electrode system	2019; 306; 54-60;	5,383	10.1016/j.electacta.2019.03.095
ELECTROCHIMICA ACTA	Lepicka, Kamila; Majewska, Marta; Nowakowski, Robert; Kutner, Wlodzimierz; Pieta, Piotr	High electrochemical stability of meso-Ni-salen based conducting polymer manifested by potential-driven reversible changes in viscoelastic and nanomechanical properties	2019; 297; 94-100;	5,383	10.1016/j.electacta.2018.11.147
ELECTROCHIMICA ACTA	Stepien, Jan; di Caprio, Dung; Stafiej, Janusz	3D simulations of the metal passivation process in potentiostatic conditions using discrete lattice gas automaton	2019; 295; 173-180;	5,383	10.1016/j.electacta.2018.09.113
CHEMISTRY-A EUROPEAN JOURNAL	Tulewicz, Adam; Wolska-Pietkiewicz, Malgorzata; Jedrzejewska, Maria; Ratajczyk, Tomasz; Justyniak, Iwona; Lewinski, Janusz	Towards Extended Zinc Ethylsulfinate Networks by Stepwise Insertion of Sulfur Dioxide into Zn-C Bonds	; -;	5,16	10.1002/chem.201902733
CHEMISTRY-A EUROPEAN JOURNAL	Pietrzak, Tomasz; Justyniak, Iwona; Park, Jiwon Victoria; Terlecki, Michal; Kapusniak, Lukasz; Lewinski, Janusz	Reaching Milestones in the Oxygenation Chemistry of Magnesium Alkyls: towards Intimate States of O-2 Activation and the First Monomeric Well-Defined Magnesium Alkylperoxide	2019; 25; 2503-2510	5,16	10.1002/chem.201805180
APPLIED SURFACE SCIENCE	Mazurkiewicz-Pawlicka, M.; Malolepszy, A.; Mikolajczuk-Zychora, A.; Mierzwa, B.; Borodzinski, A.; Stobinski, L.	A simple method for enhancing the catalytic activity of Pd deposited on carbon nanotubes used in direct formic acid fuel cells	2019; 476; 806-814;	5,155	10.1016/j.apsusc.2019.01.114
APPLIED SURFACE SCIENCE	Sowik, Jakub; Miodynska, Magdalena; Bajorowicz, Beata; Mikolajczyk, Alicja; Lisowski, Wojciech; Klimczuk, Tomasz; Kaczor, Daniel; Medynska, Adriana Zaleska; Malankowska, Anna	Optical and photocatalytic properties of rare earth metal-modified ZnO quantum dots	2019; 464; 651-663;	5,155	10.1016/j.apsusc.2018.09.104
FUEL	Chellappan, Suchith; Aparna, K.; Chingakham, Ch.; Sajith, V.; Nair, Vaishakh	Microwave assisted biodiesel production using a novel Bronsted acid catalyst based on nanomagnetic	2019; 246; 268-276;	5,128	10.1016/j.fuel.2019.02.104

		biocomposite			
CHEMOSPHERE	Wach, Paulina; Spolnik, Grzegorz; Rudzinski, Krzysztof J.; Skotak, Krzysztof; Claeys, Magda; Danikiewicz, Witold; Szmigielski, Rafal	Radical oxidation of methyl vinyl ketone and methacrolein in aqueous droplets: Characterization of organosulfates and atmospheric implications	2019; 214; 09-sty;	5,108	10.1016/j.chemosphere.2018.09.026
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	Bartold, Katarzyna; Pietrzyk-Le, Agnieszka; Lisowski, Wojciech; Golebiewska, Karolina; Siklitskaya, Alexandra; Borowicz, Pawel; Shao, Shuai; D'Souza, Francis; Kutner, Włodzimierz	Promoting bioanalytical concepts in genetics: A TATA box molecularly imprinted polymer as a small isolated fragment of the DNA damage repairing system	2019; 100; 10-sty;	4,959	10.1016/j.msec.2019.02.038
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	Nowak, Karolina Maria; Bodek, Kazimiera Henryka; Szterk, Arkadiusz; Rudnicka, Karolina; Szymborski, Tomasz; Kosieradzki, Maciej; Fiedor, Piotr	Preclinical assessment of the potential of a 3D chitosan drug delivery system with sodium meloxicam for treating complications following tooth extraction	2019; 133; 1019-1028	4,784	10.1016/j.ijbiomac.2019.04.078
JOURNAL OF ORGANIC CHEMISTRY	Potopnyk, Mykhaylo A.; Volyniuk, Dmytro; Luboradzki, Roman; Ceborska, Magdalena; Hladka, Iryna; Danyliy, Yan; Grazulevicius, Juozas Vidas	Application of the Suzuki-Miyaura Reaction for the Postfunctionalization of the Benzo[4,5]thiazolo[3,2-c][1,3,5,2]oxadiazaborinine Core: An Approach toward Fluorescent Dyes	2019; 84; 5614-5626	4,745	10.1021/acs.joc.9b00566
APPLIED CATALYSIS A-GENERAL	Kaminska, Izabela I.; Kowalewski, Emil; Lisovytskiy, Dmytro; Blachucki, Wojciech; Rarog-Pilecka, Wioletta; Lomot, Dariusz; Srebowata, Anna	Batch and flow hydrotreatment of water contaminated by trichloroethylene on active carbon supported nickel catalysts	2019; 582; - ;	4,63	10.1016/j.apcata.2019.117110
CHEMCATCHEM	Sa, Jacinto; Medlin, J. Will	On-the-fly Catalyst Modification: Strategy to Improve Catalytic Processes Selectivity and Understanding	2019; 11; 3355-3365	4,495	10.1002/cctc.201900770
JOURNAL OF PHYSICAL CHEMISTRY C	Bonczak, Bartłomiej; Lisowski, Wojciech; Kaminska, Agnieszka; Holdynski, Marcin; Fialkowski, Marcin	Gold Nanoparticles Functionalized with Fully Conjugated Fullerene C-60 Derivatives as a Material with Exceptional Capability of Absorbing Electrons	2019; 123; 6229-6240	4,309	10.1021/acs.jpcc.8b10842

JOURNAL OF PHYSICAL CHEMISTRY C	Gacka, Ewelina; Wojcik, Aleksandra; Mazurkiewicz-Pawlicka, Marta; Malolepszy, Artur; Stobinski, Leszek; Kubas, Adam; Hug, Gordon L.; Marciniak, Bronislaw; Lewandowska-Andralojc, Anna	Noncovalent Porphyrin-Graphene Oxide Nanohybrids: The pH-Dependent Behavior	2019; 123; 3368-3380	4,309	10.1021/acs.jpcc.8b11374
JOURNAL OF PHYSICAL CHEMISTRY C	Kuzovnikov, M. A.; Tkacz, M.	T-P-X Phase Diagram of the Water-Hydrogen System at Pressures up to 10 kbar	2019; 123; 3696-3702	4,309	10.1021/acs.jpcc.8b12083
JOURNAL OF PHYSICAL CHEMISTRY C	Cruz, Carolina; Ciach, Alina; Lomba, Enrique; Kondrat, Svyatoslav	Electrical Double Layers Close to Ionic Liquid-Solvent Demixing	2019; 123; 1596-1601	4,309	10.1021/acs.jpcc.8b09772
ELECTROCHEMISTRY COMMUNICATIONS	Janczuk-Richter, Marta; Marinovic, Iva; Niedziolka-Jonsson, Joanna; Szot-Karpinska, Katarzyna	Recent applications of bacteriophage-based electrodes: A mini-review	2019; 99; 15-lis;	4,197	10.1016/j.elecom.2018.12.011
ELECTROCHEMISTRY COMMUNICATIONS	Holdynski, Marcin; Dolinska, Joanna; Opallo, Marcin	Electrochemical behaviour of suspended redox-tagged carbon nanotubes at a rotating disc electrode	2019; 99; 32-35;	4,197	10.1016/j.elecom.2018.12.014
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	Krzystyniak, Adam; Baczynska, Ewa; Magnowska, Marta; Antoniuk, Svitlana; Roszkowska, Matylda; Zareba-Koziol, Monika; Das, Nirmal; Basu, Subhadip; Pikula, Michal; Wlodarczyk, Jakub	Prophylactic Ketamine Treatment Promotes Resilience to Chronic Stress and Accelerates Recovery: Correlation with Changes in Synaptic Plasticity in the CA3 Subregion of the Hippocampus	2019; 20; -; 1726	4,183	10.3390/ijms20071726
JOURNAL OF ALLOYS AND COMPOUNDS	Przezdziecka, E.; Paradowska, K. M.; Lisowski, W.; Wierzbička, A.; Jakiela, R.; Zielony, E.; Gumieny, Z.; Placzek-Popko, E.; Kozanecki, A.	ZnO:Sb MBE layers with different Sb content-optical, electronic and structural analysis	2019; 797; 1163-1172	4,175	10.1016/j.jallcom.2019.05.213
CRYSTAL GROWTH & DESIGN	Lesniewska, Barbara; Coleman, Anthony W.; Perret, Florent; Suwinska, Kinga	Tuning Solid-State Calix[n]arene Supramolecular Assemblies Using Phenanthroline as the Guest Molecule Published as part of the Crystal Growth and Design Israel Goldberg Memorial virtual special issue	2019; 19; 1695-1708	4,153	10.1021/acs.cgd.8b01629

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	Udachyan, Iranna; Vishwanath, R. S.; Kumara, C. S. Pradeepa; Kandaiah, Sakthiuel	Potential dependent growth of Cu(OH)(2) nanostructures on Cu and their thermal conversion to mixed-valent copper oxides p-type photoelectrode	2019; 44; 7181-7193	4,084	10.1016/j.ijhydene.2019.02.006
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	Ilieva, L.; Petrova, P.; Pantaleo, G.; Zanella, R.; Sobczak, J. W.; Lisowski, W.; Kaszkur, Z.; Munteanu, G.; Yordanova, I.; Liotta, L. F.; Venezia, A. M.; Tabakova, T.	Alumina supported Au/Y-doped ceria catalysts for pure hydrogen production via PROX	2019; 44; 233-245;	4,084	10.1016/j.ijhydene.2018.03.005
DALTON TRANSACTIONS	Nawrocki, Jan; Prochowicz, Daniel; Justyniak, Iwona; van Leusen, Jan; Kornowicz, Arkadiusz; Koegerler, Paul; Lewinski, Janusz	Synthesis, structure and magnetic properties of a novel high-nuclearity oxo-carboxylate [ZnxCo13-x(mu(4)-O)(4)(O2CPh)(18)] cluster	2019; 48; 12828-12831	4,052	10.1039/c9dt02791b
DALTON TRANSACTIONS	Kahremany, Shirin; Kubas, Adam; Tochtrop, Gregory P.; Palczewski, Krzysztof	Catalytic synthesis of 9-cis-retinoids: mechanistic insights	2019; 48; 10581-10595	4,052	10.1039/c9dt02189b
DALTON TRANSACTIONS	Mazierski, Pawel; Sowik, Jakub; Miodynska, Magdalena; Trykowski, Grzegorz; Mikolajczyk, Alicja; Klimczuk, Tomasz; Lisowski, Wojciech; Nadolna, Joanna; Zaleska-Medynska, Adriana	Shape-controllable synthesis of GdVO4 photocatalysts and their tunable properties in photocatalytic hydrogen generation	2019; 48; 1662-1671	4,052	10.1039/c8dt04225j
NANOMATERIALS	Paszkievicz-Gawron, Marta; Golabiewska, Anna; Pancielejko, Anna; Lisowski, Wojciech; Zwara, Julia; Paszkievicz, Monika; Zaleska-Medynska, Adriana; Luczak, Justyna	Impact of Tetrazolium Ionic Liquid Thermal Decomposition in Solvothermal Reaction on the Remarkable Photocatalytic Properties of TiO2 Particles	2019; 9; -; 744	4,034	10.3390/nano9050744
NANOMATERIALS	Kaminska, Agnieszka; Szymborski, Tomasz; Witkowska, Evelin; Kijenska-Gawronska, Ewa; Swieszkowski, Wojciech; Nicinski, Krzysztof; Trzcinska-Danielewicz, Joanna; Girstun, Agnieszka	Detection of Circulating Tumor Cells Using Membrane-Based SERS Platform: A New Diagnostic Approach for 'Liquid Biopsy'	2019; 9; -; 366	4,034	10.3390/nano9030366

DYES AND PIGMENTS	Piechowska, Joanna; Angulo, Gonzalo	Frustrated excited state intramolecular proton transfer (ESIPT) in 10-hydroxy-11H-benzo[b]fluoren-11-one: Synthesis and photophysics	2019; 165; 346-353;	4,018	10.1016/j.dyepig.2019.02.031
SCIENTIFIC REPORTS	Nicinski, K.; Krajczewski, J.; Kudelski, A.; Witkowska, E.; Trzcinska-Danielewicz, J.; Girstun, A.; Kaminska, A.	Detection of circulating tumor cells in blood by shell-isolated nanoparticle - enhanced Raman spectroscopy (SHINERS) in microfluidic device	2019; 9; -; 9267	4,011	10.1038/s41598-019-45629-7
SCIENTIFIC REPORTS	Matula, Kinga; Richter, Lukasz; Janczuk-Richter, Marta; Nogala, Wojciech; Grzeszkowiak, Mikolaj; Peplinska, Barbara; Jurga, Stefan; Wyroba, Elzbieta; Suski, Szymon; Bilski, Henryk; Silesian, Adrian; Bluysen, Hans A. R.; Derebecka, Natalia; Wesoly, Joanna; Los, Joanna M.; Los, Marcin; Decewicz, Przemyslaw; Dziewit, Lukasz; Paczesny, Jan; Holyst, Robert	Phenotypic plasticity of Escherichia coli upon exposure to physical stress induced by ZnO nanorods	2019; 9; -; 8575	4,011	10.1038/s41598-019-44727-w
SCIENTIFIC REPORTS	Kwapiszewska, Karina; Kalwarczyk, Tomasz; Michalska, Bernadeta; Szczepanski, Krzysztof; Szymanski, Jcdrzej; Patalas-Krawczyk, Pauline; Andryszewski, Tomasz; Iwan, Michalina; Duszynski, Jerzy; Holyst, Robert	Determination of oligomerization state of Drp1 protein in living cells at nanomolar concentrations	2019; 9; -; 5906	4,011	10.1038/s41598-019-42418-0
SCIENTIFIC REPORTS	Stepak, Bogusz; Gazinska, Malgorzata; Nejbauer, Michal; Stepanenko, Yuriy; Antonczak, Arkadiusz	Diverse nature of femtosecond laser ablation of poly(L-lactide) and the influence of filamentation on the polymer crystallization behaviour	2019; 9; -; 3069	4,011	10.1038/s41598-019-39640-1
SCIENTIFIC REPORTS	Kuzmak, Andrij; Carmali, Sheiliza; von Lieres, Eric; Russell, Alan J.; Kondrat, Svyatoslav	Can enzyme proximity accelerate cascade reactions?	2019; 9; -; 455	4,011	10.1038/s41598-018-37034-3
BIOMEDICAL	Ruminski, Daniel; Palczewska, Grazyna;	Two-photon microperimetry: sensitivity	2019; 10;	3,91	10.1364/BOE.10.004551

OPTICS EXPRESS	Nowakowski, Maciej; Zielinska, Agnieszka; Kefalov, Vladimir J.; Komar, Katarzyna; Palczewski, Krzysztof; Wojtkowski, Maciej	of human photoreceptors to infrared light	4551-4567		
BIOMEDICAL OPTICS EXPRESS	Jimenez-villar, Alfonso; Maczynska, Ewa; Cichanski, Artur; Wojtkowski, Maciej; Kaluzny, Bartlomiej J.; Grulkowski, Ireneusz	High-speed OCT-based ocular biometer combined with an air-puff system for determination of induced retraction-free eye dynamics	2019; 10; 3663-3680	3,91	10.1364/BOE.10.003663
BIOMEDICAL OPTICS EXPRESS	Borycki, Dawid; Hamkalo, Michal; Nowakowski, Maciej; Szkulmowski, Maciej; Wojtkowski, Maciej	Spatiotemporal optical coherence (STOC) manipulation suppresses coherent cross-talk in full-field swept-source optical coherence tomography	2019; 10; 2032-2054	3,91	10.1364/BOE.10.002032
INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE	Consejo, Alejandra; Glawdecka, Karolina; Karnowski, Karol; Solarski, Jędrzej; Rozema, Jos J.; Wojtkowski, Maciej; Iskander, D. Robert	Corneal Properties of Keratoconus Based on Scheimpflug Light Intensity Distribution	2019; 60; 3197-3203	3,812	10.1167/iovs.19-26963
INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE	Maczynska, Ewa; Rzeszewska-Zamiara, Jagoda; Villar, Alfonso Jimenez; Wojtkowski, Maciej; Kaluzny, Bartlomiej J.; Grulkowski, Ireneusz	Air-Puff-Induced Dynamics of Ocular Components Measured with Optical Biometry	2019; 60; 1979-1986	3,812	10.1167/iovs.19-26681
NEW JOURNAL OF PHYSICS	Dotsenko, V. S.; Maciolek, A.; Oshanin, G.; Vasilyev, O.; Dietrich, S.	Current-mediated synchronization of a pair of beating non-identical flagella	2019; 21; -; 33036	3,773	10.1088/1367-2630/ab0a80
NEW JOURNAL OF PHYSICS	Sudyka, J., I; Pustelny, S.; Gawlik, W.	Limitations of rotating-wave approximation in magnetic resonance: characterization and elimination of the Bloch-Siegert shift in magneto-optics	2019; 21; -; 23024	3,773	10.1088/1367-2630/aaf778
JOURNAL OF BIOPHOTONICS	Maczynska, Ewa; Karnowski, Karol; Szulzycki, Krzysztof; Malinowska, Monika; Dolezyczek, Hubert; Cichanski, Artur; Wojtkowski, Maciej; Kaluzny, Bartlomiej; Grulkowski, Ireneusz	Assessment of the influence of viscoelasticity of cornea in animal ex vivo model using air-puff optical coherence tomography and corneal hysteresis	2019; 12; -; UNSP e201800154	3,763	10.1002/jbio.201800154
PHYSICAL REVIEW B	Chatterjee, B.; Skolimowski, J.; Makuch, K.; Byczuk, K.	Real-space dynamical mean-field theory of Friedel oscillations in strongly	2019; 100; -; 115118	3,736	10.1103/PhysRevB.100.115118

		correlated electron systems			
PHYSICAL REVIEW B	Dabrowski, M.; Cinal, M.; Schmid, A. K.; Kirschner, J.; Przybylski, M.	Fine-tuning of canted magnetization in stepped Fe films through thickness variation, Au capping, and quantum confinement	2019; 99; -, 184420	3,736	10.1103/PhysRevB.99.184420
LANGMUIR	Mrdenovic, Dusan; Majewska, Marta; Pieta, Izabela S.; Bernatowicz, Piotr; Nowakowski, Robert; Kutner, Wlodzimierz; Lipkowski, Jacek; Pieta, Piotr	Size-Dependent Interaction of Amyloid beta Oligomers with Brain Total Lipid Extract Bilayer-Fibrillation Versus Membrane Destruction	2019; 35; 11940-11949	3,683	10.1021/acs.langmuir.9b01645
LANGMUIR	Serna, Horacio; Noya, Eva G.; Gozdz, W. T.	Assembly of Helical Structures in Systems with Competing Interactions under Cylindrical Confinement	2019; 35; 702-708;	3,683	10.1021/acs.langmuir.8b03382
CATALYSIS COMMUNICATIONS	Radlik, Monika; Malolepszy, Artur; Matus, Krzysztof; Srebowata, Anna; Juszczyk, Wojciech; Dluzewski, Piotr; Karpinski, Zbigniew	Alkane isomerization on highly reduced Pd/Al ₂ O ₃ catalysts. The crucial role of Pd-Al species	2019; 123; 17-22;	3,674	10.1016/j.catcom.2019.02.002
BIOPHYSICAL JOURNAL	Trochimczyk, Piotr; Holyst, Robert	DNA Aggregation Regime - How Divalent Ions and Polymers Can Induce Creation of DNA Nanoparticles	2019; 116; 358A-358A	3,665	10.1016/j.bpj.2018.11.1949
JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY	Blachucki, Wojciech; Czapla-Masztafiak, Joanna; Sa, Jacinto; Szlachetko, Jakub	A laboratory-based double X-ray spectrometer for simultaneous X-ray emission and X-ray absorption studies	2019; 34; 1409-1415	3,646	10.1039/c9ja00159j
PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Kondrat, Svyatoslav; Popescu, Mihail N.	Brownian dynamics assessment of enhanced diffusion exhibited by 'fluctuating-dumbbell enzymes'	2019; 21; 18811-18815	3,567	10.1039/c9cp02842k
PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Pastorczak, Marcin; Nejbauer, Michal; Radzewicz, Czeslaw	Femtosecond infrared pump-stimulated Raman probe spectroscopy: the first application of the method to studies of vibrational relaxation pathways in the liquid HDO/D ₂ O system	2019; 21; 16895-16904	3,567	10.1039/c9cp00855a

PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Cruz, Carolina; Barragan, Daniel; Magnanelli, Elisa; Lervik, Anders; Kjelstrup, Signe	Non-equilibrium thermodynamics as a tool to compute temperature at the catalyst surface	2019; 21; 15195-15205	3,567	10.1039/c9cp02389e
PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Custer, Thomas; Szczepaniak, Urszula; Gronowski, Marcin; Pietri, Nathalie; Couturier-Tamburelli, Isabelle; Guillemin, Jean-Claude; Turowski, Michal; Kolos, Robert	Isomerization of cyanopropyne in solid argon	2019; 21; 13668-13678	3,567	10.1039/c8cp06739b
PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Bielec, Krzysztof; Sozanski, Krzysztof; Seynen, Marco; Dziekan, Zofia; ten Wolde, Pieter Rein; Holyst, Robert	Kinetics and equilibrium constants of oligonucleotides at low concentrations. Hybridization and melting study	2019; 21; 10798-10807	3,567	10.1039/c9cp01295h
PHYSICAL CHEMISTRY CHEMICAL PHYSICS	Zhang, Xuzhu; Poniewierski, Andrzej; Sozanski, Krzysztof; Zhou, Ying; Brzozowska-Elliott, Anna; Holyst, Robert	Fluorescence correlation spectroscopy for multiple-site equilibrium binding: a case of doxorubicin-DNA interaction	2019; 21; 1572-1577	3,567	10.1039/c8cp06752j
OPTICS EXPRESS	Kabacinski, Piotr; Kardas, Tomasz M.; Stepanenko, Yuriy; Radzewicz, Czeslaw	Nonlinear refractive index measurement by SPM-induced phase regression	2019; 27; 11018-11028	3,561	10.1364/OE.27.011018
APPLIED PHYSICS LETTERS	Liu, Engren; Borowiec, Joanna; Sun, Lin J. Jun; Konop, Marek; Rahman, Mohammad M.; Taallah, Ayoub; Boi, Filippo S.; Gillin, William P.	Experimental studies on the conduction mechanism and electrical properties of the inverted Ba doped ZnO nanoparticles based memristor	2019; 115; - ; 73505	3,521	10.1063/1.5110888
ORGANIC & BIOMOLECULAR CHEMISTRY	Kahremany, Shirin; Sander, Christopher Lane; Tochtrop, Gregory P.; Kubas, Adam; Palczewski, Krzysztof	Z-isomerization of retinoids through combination of monochromatic photoisomerization and metal catalysis	2019; 17; 8125-8139	3,49	10.1039/c9ob01645g
GEO THERMICS	Ura-Binczyk, E.; Banas, J.; Mazurkiewicz, B.; Solarski, W.; Lewandowska, M.; Roguska, A.; Andrzejczuk, M.; Balcer, M.; Kulik, S.; Zarnowiec, P.; Kaca, W.	On-site monitoring and laboratory characterization of corrosion processes in the geothermal water of Polish Lowland	2019; 77; 267-277;	3,47	10.1016/j.geothermics.2018.10.002
CATALYSTS	Hurtado, Beatriz; Posadillo, Alejandro; Luna, Diego; Bautista, Felipa M.; Hidalgo, Jose M.; Luna, Carlos; Calero,	Synthesis, Performance and Emission Quality Assessment of Ecodiesel from Castor Oil in Diesel/Biofuel/Alcohol	2019; 9; -; 40	3,444	10.3390/catal9010040

	Juan; Romero, Antonio A.; Estevez, Rafael	Triple Blends in a Diesel Engine			
CHEMPLUSCHEM	Kalwarczyk, Ewelina; Kabacinski, Piotr; Kardas, Tomasz M.; Gorecka, Ewa; Bilski, Henryk; Fialkowski, Marcin	A Seedless Method for Gold Nanoparticle Growth inside a Silica Matrix: Fabrication of Materials Capable of Third-Harmonic Generation in the Near-Infrared	2019; 84; 525-533;	3,441	10.1002/cplu.201900224
CHEMICO-BIOLOGICAL INTERACTIONS	Szekacs, Inna; Tokarz, Pawel; Horvath, Robert; Kovacs, Krisztina; Kubas, Adam; Shimura, Mari; Brasun, Justyna; Murzin, Vadim; Caliebe, Wolfgang; Szewczuk, Zbigniew; Paluch, Aneta; Wojnarovits, Laszlo; Toth, Tunde; Pap, Jozsef S.; Szyrwiel, Lukasz	In vitro SOD-like activity of mono- and di-copper complexes with a phosphonate substituted SALAN-type ligand	2019; 306; 78-88;	3,407	10.1016/j.cbi.2019.04.003
SOFT MATTER	Araki, Takeaki; Maciolek, Anna	Illumination-induced motion of a Janus nanoparticle in binary solvents	2019; 15; 5243-5254	3,399	10.1039/c9sm00509a
SOFT MATTER	Guzowski, Jan; Gim, Bopil	Particle clusters at fluid-fluid interfaces: equilibrium profiles, structural mechanics and stability against detachment	2019; 15; 4921-4938	3,399	10.1039/c9sm00425d
CHEMICAL ENGINEERING SCIENCE	Cerdan, Kenneth; Ouyang, Weiyi; Colmenares, Juan C.; Munoz-Batista, Mario J.; Luque, Rafael; Balu, Alina M.	Facile mechanochemical modification of g-C ₃ N ₄ for selective photo-oxidation of benzyl alcohol	2019; 194; 78-84;	3,372	10.1016/j.ces.2018.04.001
COMPUTER PHYSICS COMMUNICATIONS	Jablonski, A.	The Chandrasekhar function for modeling photoelectron transport in solids	2019; 235; 489-501;	3,309	10.1016/j.cpc.2018.07.005
ANALYTICAL AND BIOANALYTICAL CHEMISTRY	Witkowska, Evelin; Nicinski, Krzysztof; Korsak, Dorota; Szymborski, Tomasz; Kaminska, Agnieszka	Sources of variability in SERS spectra of bacteria: comprehensive analysis of interactions between selected bacteria and plasmonic nanostructures (vol 411, pg 2001, 2019)	2019; 411; 5347-5347	3,286	10.1007/s00216-019-01900-4
ANALYTICAL AND BIOANALYTICAL	Witkowska, Evelin; Nicinski, Krzysztof; Korsak, Dorota; Szymborski, Tomasz;	Sources of variability in SERS spectra of bacteria: comprehensive analysis of	2019; 411; 2001-2017	3,286	10.1007/s00216-019-01609-4

CHEMISTRY	Kaminska, Agnieszka	interactions between selected bacteria and plasmonic nanostructures			
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A	Grzeczkwicz, A.; Gruszczynska-Biegala, J.; Czeredys, M.; Kwiatkowska, A.; Strawski, M.; Szklarczyk, M.; Kozbial, M.; Kuznicki, J.; Granicka, L. H.	Polyelectrolyte membrane scaffold sustains growth of neuronal cells	2019; 107; 839-850;	3,221	10.1002/jbm.a.36599
POLYMERS	Wu, Peng; Sun, Tao; Jiang, Xikai; Kondrat, Svyatoslav	Hydrodynamic Properties of Polymers Screening the Electrokinetic Flow: Insights from a Computational Study	2019; 11; -; 1038	3,164	10.3390/polym11061038
JOURNAL OF APPLIED CRYSTALLOGRAPHY	Kaszkur, Zbigniew	Comment on the article The nanodiffraction problem	2019; 52; 693-694;	3,161	10.1107/S1600576719006563
NEW JOURNAL OF CHEMISTRY	Mames, Adam; Osior, Agnieszka; Szkudlarek, Piotr Grzegorz; Pietrzak, Mariusz; Szymanski, Slawomir; Ratajczyk, Tomasz	Synthesis and structural characterization of exemplary silyl triptycenes	2019; 43; 7567-7573	3,069	10.1039/c9nj00934e
NEW JOURNAL OF CHEMISTRY	Udachyan, Iranna; Vishwanath, R. S.; Kumara, Pradeep C. S.; Kandaiah, Sakthivel	Anodic fabrication of nanostructured CuxS and CuNiSx thin films and their hydrogen evolution activities in acidic electrolytes	2019; 43; 7674-7682	3,069	10.1039/c9nj00962k
RSC ADVANCES	Nicinski, K.; Witkowska, E.; Korsak, D.; Noworyta, K.; Trzcinska-Danielewicz, J.; Girstun, A.; Kaminska, A.	Photovoltaic cells as a highly efficient system for biomedical and electrochemical surface-enhanced Raman spectroscopy analysis	2019; 9; 576-591;	3,049	10.1039/c8ra08319c
RESULTS IN PHYSICS	Parnicka, Patrycja; Mazierski, Pawel; Lisowski, Wojciech; Klimczuk, Tomasz; Nadolna, Joanna; Zaleska-Medynska, Adriana	A new simple approach to prepare rare-earth metals-modified TiO2 nanotube arrays photoactive under visible light: Surface properties and mechanism investigation	2019; 12; 412-423;	3,042	10.1016/j.rinp.2018.11.073
JOURNAL OF CHEMICAL PHYSICS	Litniewski, M.; Ciach, A.	Effect of aggregation on adsorption phenomena	2019; 150; -; 234702	2,997	10.1063/1.5102157
MATERIALS	Niedziolka-Jonsson, Joanna; Mackowski, Sebastian	Plasmonics with Metallic Nanowires	2019; 12; -; 1418	2,972	10.3390/ma12091418

MATERIALS	Cwik, Michal; Buczynska, Dorota; Sulowska, Karolina; Rozniecka, Ewa; Mackowski, Sebastian; Niedziolka-Joensson, Joanna	Optical Properties of Submillimeter Silver Nanowires Synthesized Using the Hydrothermal Method	2019; 12; -; 721	2,972	10.3390/ma12050721
STRUCTURAL DYNAMICS-US	Blachucki, W.; Kayser, Y.; Czaplak-Masztafiak, J.; Guo, M.; Juranic, P.; Kavcic, M.; Kallman, E.; Knopp, G.; Lundberg, M.; Milne, C.; Rehanek, J.; Sa, J.; Szlachetko, J.	Inception of electronic damage of matter by photon-driven post-ionization mechanisms	2019; 6; -; 24901	2,953	10.1063/1.5090332
JOURNAL OF RARE EARTHS	Tabakova, Tatyana; Ilieva, Lyuba; Ivanov, Ivan; Manzoli, Maela; Zarella, Rodolfo; Petrova, Petya; Kaszkur, Zbigniew	Structure-activity relationship in water-gas shift reaction over gold catalysts supported on Y-doped ceria	2019; 37; 383-392;	2,846	10.1016/j.jre.2018.07.008
JOURNAL OF PHYSICS D-APPLIED PHYSICS	Tavakoli, Mohammad Mahdi; Yadav, Pankaj; Prochowicz, Daniel; Tavakoli, Rouhollah; Saliba, Michael	Multilayer evaporation of MAFApPb(3-x)Cl(x) for the fabrication of efficient and large-scale device perovskite solar cells	2019; 52; -; 34005	2,829	10.1088/1361-6463/aaebf1
ENERGIES	Biernat, Krzysztof; Bocian, Piotr; Bukrejewski, Pawel; Noworyta, Krzysztof R.	Application of the Impedance Spectroscopy as a New Tool for Studying Biodiesel Fuel Aging Processes	2019; 12; -; 738	2,707	10.3390/en12040738
CHAOS	Koyano, Yuki; Kitahata, Hiroyuki; Gryciuk, Marian; Akulich, Nadejda; Gorecka, Agnieszka; Malecki, Maciej; Gorecki, Jerzy	Bifurcation in the angular velocity of a circular disk propelled by symmetrically distributed camphor pills	2019; 29; -; 13125	2,643	10.1063/1.5061027
JOURNAL OF PHYSICAL CHEMISTRY A	Dobkowski, Jacek; Gorski, Alexandr; Kijak, Michal; Pietrzak, Mariusz; Redeckas, Kipras; Vengris, Mikas	Combined Picosecond Time-Resolved UV-Vis and NMR Techniques Used for Investigation of the Excited State Intramolecular Triplet-Triplet Energy Transfer	2019; 123; 6978-6985	2,641	10.1021/acs.jpca.9b03414
JOURNAL OF PHYSICAL CHEMISTRY A	Zapala, Joanna; Custer, Thomas; Guillemin, Jean-Claude; Gronowski, Marcin	Photochemistry of XCH ₂ CN (X = -Cl, -SH) in Argon Matrices	2019; 123; 3818-3830	2,641	10.1021/acs.jpca.9b01983
JOURNAL OF	Listkowski, Arkadiusz; Jedrzejewski,	Antiaromatic or Nonaromatic?	2019; 123;	2,641	10.1021/acs.jpca.8b11962

PHYSICAL CHEMISTRY A	Pawel; Kijak, Michal; Nawara, Krzysztof; Kowalska, Patrycja; Luboradzki, Roman; Waluk, Jacek	2(1)H,6(1)H-2,6(2,5)-Dipyrrola-1,5(2,6)-dipyridinacyclooctaphane-3,7-diene: a Porphycene Derivative with 4N pi Electrons	2727-2733		
PHYSICS OF FLUIDS	Makuch, Karol; Gorce, Jean-Baptiste; Garstecki, Piotr	Non-wetting droplets in capillaries of circular cross-section: Scaling function	2019; 31; -; 43102	2,627	10.1063/1.5087722
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VACUUM	Tacikowski, M.; Kobus, P.; Kaminski, J.; Kucharska, B.; Kulikowski, K.; Marchlewski, P.; Pisarek, M.	Structure and properties of composite aluminum oxide layers produced on magnesium alloys using hybrid method (vol 160 pg 325, 2019)	2019; 163; 287-287;	2,515	10.1016/j.vacuum.2019.02.024
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JOURNAL OF SYNCHROTRON RADIATION	Wojtaszek, Klaudia; Wach, Anna; Czapla-Masztafiak, Joanna; Tyrala, Krzysztof; Sa, Jacinto; Ozer, Luetfiye Yildiz; Garlisi, Corrado; Palmisano, Giovanni; Szlachetko, Jakub	The influence of nitrogen doping on the electronic structure of the valence and conduction band in TiO2	2019; 26; 145-151;	2,452	10.1107/S1600577518016685
PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES	Golec, Barbara; Nawara, Krzysztof; Thummel, Randolph P.; Waluk, Jacek	Photoinduced oxidation of an indole derivative: 2-(1 ' H-indol-2 '-yl)-[1,5]naphthyridine	2019; 18; 2225-2231	2,408	10.1039/c8pp00587g
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PHYSICAL REVIEW E	Holyst, Robert; Maciolek, Anna; Zhang,	Flux and storage of energy in	2019; 99; -;	2,353	10.1103/PhysRevE.99.042118

	Yirui; Litniewski, Marek; Knychala, Piotr; Kasprzak, Maciej; Banaszak, Michal	nonequilibrium stationary states	42118		
PHYSICAL REVIEW E	Morgado, Gabriel; Nowakowski, Bogdan; Lemarchand, Annie	Fisher-Kolmogorov-Petrovskii-Piskunov wave front as a sensor of perturbed diffusion in concentrated systems	2019; 99; -; 22205	2,353	10.1103/PhysRevE.99.022205
COMPUTERS IN BIOLOGY AND MEDICINE	Issarti, Ikram; Consejo, Alejandra; Jimenez-Garcia, Marta; Hershko, Sarah; Koppen, Carina; Rozema, Jos J.	Computer aided diagnosis for suspect keratoconus detection	2019; 109; 33-42;	2,286	10.1016/j.combiomed.2019.04.024
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TOPICS IN CATALYSIS	Pieta, I. S.; Cortes-Reyes, M.; Larrubia, M. A.; Alemany, L. J.; Epling, W. S.	Mechanistic Aspect of N2O Formation Over Pt-Ba/-Al2O3 Catalysts	2019; 62; 117-128;	2,226	10.1007/s11244-018-1108-x
CHEMISTRYOPEN	Golowicz, Dariusz; Kazimierczuk, Krzysztof; Urbanczyk, Mateusz; Ratajczyk, Tomasz	Monitoring Hydrogenation Reactions using Benchtop 2D NMR with Extraordinary Sensitivity and Spectral Resolution	2019; 8; 196-200;	2,205	10.1002/open.201800294
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	Wroblewski, Grzegorz; Janczuk-Richter, Marta; Wolkowicz, Tomasz; Jakubowska, Malgorzata; Niedziolka-Jonsson, Joanna	Printed carbon based interface for protein immobilization	2019; 30; 12465-12474	2,195	10.1007/s10854-019-01606-4
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WETLANDS	Amatya, Devendra M.; Fialkowski, Marcin; Bitner, Agnieszka	A Daily Water Table Depth Computing Model for Poorly Drained Soils	2019; 39; 39-54;	1,854	10.1007/s13157-018-1069-7
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ADSORPTION-JOURNAL OF THE INTERNATIONAL ADSORPTION SOCIETY	Radlik, Monika; Srebowata, Anna; Juszczak, Wojciech; Matus, Krzysztof; Malolepszy, Artur; Karpinski, Zbigniew	n-Hexane conversion on gamma-alumina supported palladium-platinum catalysts	2019; 25; 843-853;	1,731	10.1007/s10450-019-00083-9
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PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY	Jankowski, Pawel; Samborski, Adam; Ostaszewski, Ryszard; Garstecki, Piotr	Evaluation of droplet-based microfluidic platforms as a convenient tool for lipases and esterases assays	2019; 49; 727-734;	1,117	10.1080/10826068.2019.1605527
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APPLIED MAGNETIC RESONANCE	Hadjiali, Sara; Savka, Roman; Plaumann, Markus; Bommerich, Ute; Bothe, Sarah; Gutmann, Torsten; Ratajczyk, Tomasz; Bernarding, Johannes; Limbach, Hans-Heinrich; Plenio, Herbert; Buntkowsky, Gerd	Substituent Influences on the NMR Signal Amplification of Ir Complexes with Heterocyclic Carbene Ligands	2019; 50; 895-902;	0,78	10.1007/s00723-019-01115-x
TECHNICAL PHYSICS LETTERS	Yastrebov, S. G.; Gulyaev, N. I.; Galenko, A. S.; Prus, M.; Siklitskaya, A. V.	Hydroxyapatite Nanoclusters in Subendothelial Structures of Aortic Demilunes of Patients with Calcified Aortic Stenosis	2019; 45; 167-169;	0,773	10.1134/S1063785019020366
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