

Lp	Czasopismo	Tytuł publikacji	Autorzy	Rok/tom/str	IF
1.	ACS APPLIED MATERIALS & INTERFACES	Application of Europium Multiwalled Carbon Nanotubes as Novel Luminophores in an Electrochemiluminescent Aptasensor for Thrombin Using Multiple Amplification Strategies	Wu, Dan; Xin, Xia; Pang, Xuehui; Pietraszkiewicz, Marek; Holyst, Robert; Sun, Xian'ge; <u>Wei, Qin</u>	2015, 7, 23, 12663-12670	6,723
2.	ACS APPLIED MATERIALS & INTERFACES	Gold-Oxoborate Nanocomposites and Their Biomedical Applications	Wybranska, Katarzyna; Paczesny, Jan; Serejko, Katarzyna; Sura, Karolina; Wlodyga, Karolina; Dziecielewski, Igor; Jones, Samuel T.; Sliwa, Agnieszka; Wybranska, Iwona; Holyst, Robert; Scherman, Oren A.; <u>Fialkowski, Marcin</u>	2015, 7, 7, 3931-3939	6,723
3.	ACS APPLIED MATERIALS & INTERFACES	Microfluidic Foaming: A Powerful Tool for Tailoring the Morphological and Permeability Properties of Sponge-like Biopolymeric Scaffolds	Costantini, Marco; Colosi, Cristina; Jaroszewicz, Jakub; Tosato, Alessia; <u>Świąszkowski, Wojciech</u> ; Dentini, Mariella; Garstecki, Piotr; <u>Barbetta, Andrea</u>	2015, 7, 23660-23661	6,723
4.	ACS APPLIED MATERIALS & INTERFACES	Spontaneous Water Oxidation at Hematite (α -Fe ₂ O ₃) Crystal Faces	Chatman, S.; Zarzycki, P.; <u>Rosso, K. M.</u>	2015, 7, 3, 1550-1559	6,723
5.	ACS NANO	Hot Carrier-Induced Tautomerization within a Single Porphycene Molecule on Cu(111)	Ladenthin, Janina N; Grill, Leonhard; Gawinkowski, Sylwester; Liu, Shuyi; Waluk, Jacek; <u>Kumagai, Takashi</u>	2015, 9, 7, 7287-7295	12,881
6.	ADVANCED FUNCTIONAL MATERIALS	Hierarchically CdS Decorated 1D ZnO Nanorods-2D Graphene Hybrids: Low Temperature Synthesis and Enhanced Photocatalytic Performance	Han, Chuang; Chen, Zhang; Zhang, Nan; <u>Colmenares, Juan Carlos</u> ; <u>Xu, Yi-Jun</u>	2015, 25, 2, 221-229	11,805

7.	ADVANCES IN COLLOID AND INTERFACE SCIENCE	Motion of nanoprobes in complex liquids within the framework of the length-scale dependent viscosity model	<u>Kalwarczyk, Tomasz</u> ; Sozanski, Krzysztof ; Ochab-Marcinek, Anna ; Szymanski, Jędrzej ; Tabaka, Marcin ; Hou, Sen ; <u>Holyst, Robert</u>	2015, 223, 55-63	7,776
8.	ANALYTICAL CHEMISTRY	Depth-Resolved X-ray Absorption Spectroscopy by Means of Grazing Emission X-ray Fluorescence	<u>Kayser, Yves</u> ; Sa, Jacinto; Szlachetko, Jakub	2015, 87, 10815-10821	5,636
9.	ANALYTICAL CHEMISTRY	Rational Design of Digital Assays	Debski, Pawel R.; Gewartowski, Kamil; Sulima, Magdalena; Kaminski, Tomasz S.; <u>Garstecki, Piotr</u>	2015, 87, 16, 8203-8209	5,636
10.	ANALYTICAL CHEMISTRY	Voltammetric pH Nanosensor	Michalak, Magdalena ; Kurel, Malgorzata ; Jedraszko, Justyna ; Toczydlowska, Diana ; Wittstock, Gunther ; <u>Opallo, Marcin</u> ; <u>Nogala, Wojciech</u>	2015, 87, 23, 11641-11645	5,637
11.	APPLIED CATALYSIS B-ENVIRONMENTAL	Direct formic acid fuel cells on Pd catalysts supported on hybrid TiO ₂ -C materials	<u>Matos, Juan</u> ; <u>Borodzinski, Andrzej</u> ; Mikołajczuk Zychora, Anna; Kedzierzawski, Piotr; Mierzwa, Bogusław; Juchniewicz, Karol; Mazurkiewicz, Marta; Hernandez-Garrido, Juan C.	2015, 163, 167-178	7,435
12.	APPLIED CATALYSIS B-ENVIRONMENTAL	Effect of gold on catalytic behavior of palladium catalysts in hydrodechlorination of tetrachloromethane	Bonarowska, Magdalena; Kaszkur, Zbigniew; Lomot, Dariusz; Rawski, Michał; <u>Karpinski, Zbigniew</u>	2015, 162, 45-56	7,435
13.	APPLIED CATALYSIS B-ENVIRONMENTAL	Polypropylene nonwoven filter with nanosized ZnO rods: Promising hybrid photocatalyst for water purification	<u>Colmenares, Juan C.</u> ; Kuna, Ewelina; Jakubiak, Szymon; Michalski, Jakub; Kurzydłowski, Krzysztof	2015, 170, 273-282	7,435
14.	APPLIED CATALYSIS B-ENVIRONMENTAL	Visible light activity of rare earth metal doped (Er ³⁺ , Yb ³⁺ or Er ³⁺ /Yb ³⁺) titania photocatalysts	Reszczyńska, Joanna; Grzyb, Tomasz; Sobczak, Janusz W.; Lisowski, Wojciech; Gazda, Maria; Ohtani,	2015, 163, 40-49	7,435

			Bunsho; <u>Zaleska, Adriana</u>		
15.	BIOSENSORS & BIOELECTRONICS	Cytosine derivatized bis(2,2'-bithienyl)methane molecularly imprinted polymer for selective recognition of 6-thioguanine, an antitumor drug	Huynh, Tan-Phat; Wojnarowicz, Agnieszka; Sosnowska, Marta; Srebnik, Simcha; Benincori, Tiziana; Sannicolo, Francesco; <u>D'Souza, Francis;</u> <u>Kutner, Wlodzimierz</u>	2015, 70, 153-160	6,409
16.	BIOSENSORS & BIOELECTRONICS	Detection of Hepatitis B virus antigen from human blood: SERS immunoassay in a microfluidic system	<u>Kaminska, Agnieszka;</u> <u>Witkowska, Evelin;</u> <u>Winkler, Katarzyna;</u> <u>Dziecielewski, Igor;</u> <u>Weyher, Jan L.;</u> <u>Waluk, Jacek</u>	2015, 66, 461-467	6,409
17.	BIOSENSORS & BIOELECTRONICS	Extended-gate field-effect transistor (EG-FET) with molecularly imprinted polymer (MIP) film for selective inosine determination	Iskierko, Zofia; Sosnowska, Marta; Sharma, Piyush Sindhu; Benincori, Tiziana; D'Souza, Francis; Kaminska, Izabela; Fronc, Krzysztof; <u>Noworyta, Krzysztof</u>	2015, 74, 526-533	6,409
18.	BIOSENSORS & BIOELECTRONICS	Molecularly imprinted polymers as recognition materials for electronic tongues	<u>Huynh, Tan-Phat;</u> <u>Kutner, Wlodzimierz</u>	2015, 74, 856-864	6,409
19.	BIOSENSORS & BIOELECTRONICS	Nicotine molecularly imprinted polymer: Synergy of coordination and hydrogen bonding	Tan-Phat Huynh; Chandra, B. K. C.; Sosnowska, Marta; Sobczak, Janusz W.; Nesterov, Vladimir N.; <u>D'Souza, Francis;</u> <u>Kutner, Wlodzimierz</u>	2015, 64, 657-663	6,409
20.	BIOSENSORS & BIOELECTRONICS	Selective electrochemical sensing of human serum albumin by semi-covalent molecular imprinting	<u>Cieplak, Maciej;</u> <u>Szwabinska, Katarzyna;</u> <u>Sosnowska, Marta;</u> <u>K. C. Chandra Bikram;</u> <u>Borowicz, Pawel;</u> <u>Noworyta, Krzysztof;</u> <u>D'Souza, Francis;</u> <u>Kutner, Wlodzimierz</u>	2015, 74, 960-966	6,409
21.	CHEMICAL COMMUNICATIONS	A mechanochemical strategy for IRMOF assembly based on pre-designed oxo-zinc	Prochowicz, D.; Sokolowski, K.; Justyniak, I.; Kornowicz, A.; Fairen-	2015, 51, 19, 4032-4035	6,834

		precursors	Jimenez, D.; Friscic, T.; <u>Lewinski, J.</u>		
22.	CHEMICAL COMMUNICATIONS	Catalysis at the room temperature ionic liquid water interface: H ₂ O ₂ generation	Jedraszko, Justyna; Nogala, Wojciech; Adamiak, Wojciech; Dongmo, Saustin; Wittstock, Gunther; Girault, Hubert H.; <u>Opallo, Marcin</u>	2015, 51, 31, 6851-6853	6,834
23.	CHEMICAL COMMUNICATIONS	Hunting for the elusive shallow traps in TiO ₂ anatase	<u>Antila, Liisa J.</u> ; Santomauro, Fabio G.; Hammarstrom, Leif; Fernandes, Daniel L. A.; <u>Sa, Jacinto</u>	2015, 51, 54, 10914-10916	6,834
24.	CHEMICAL COMMUNICATIONS	Self-assembling corroles	Orlowski, Rafal; Vakuliuk, Olena; Gullo, Maria Pia; Danylyuk, Oksana; Ventura, Barbara; Koszarna, Beata; Tarnowska, Anna; Jaworska, Nina; <u>Barbieri, Andrea</u> ; <u>Gryko, Daniel T.</u>	2015, 51, 39, 8284-8287	6,834
25.	CHEMICAL REVIEWS	The Molecular Identification of Organic Compounds in the Atmosphere: State of the Art and Challenges	<u>Noziere, Barbara</u> ; <u>Kaberer, Markus</u> ; <u>Claeys, Magda</u> ; Allan, James; D'Anna, Barbara; Decesari, Stefano; Finessi, Emanuela; Glasius, Marianne; Grgic, Irena; Hamilton, Jacqueline F.; Hoffmann, Thorsten; Iinuma, Yoshiteru.; Jaoui, Mohammed; Kahno, Ariane; Kampf, Christopher J.; Kourtchev, Ivan; Maenhaut, Willy; Marsden, Nicholas; Saarikoski, Sanna; Schnelle-Kreis, Jurgen; Surratt, Jason D.; Szidat, Sonke; Szmigielski, Rafal; Wisthaler, Armin	2015, 115, 10, 3919-3983	46,568
26.	CHEMICAL SCIENCE	Catalysis of water oxidation in acetonitrile by iridium oxide nanoparticles	Hidalgo-Acosta, Jonnathan C.; Mendez, Manuel A.; Scanlon, Micheal D.;	2015, 6, 3, 1761-1769	9,211

			Vrubel, Heron; Amstutz, Veronique; Adamiak, Wojciech; Opallo, Marcin; <u>Girault, Hubert H.</u>		
27.	CHEMICAL SCIENCE	Development of zinc alkyl/air systems as radical initiators for organic reactions	Kubisiak, Marcin; Zelga, Karolina; Bury, Wojciech; Justyniak, Iwona; Budny-Godlewski, Krzysztof; Ochal, Zbigniew; <u>Lewinski, Janusz</u>	2015, 6, 5, 3102-3108	9,211
28.	CHEMICAL SCIENCE	Inherently chiral electrodes: the tool for chiral voltammetry	<u>Arnaboldi, Serena</u> ; Benincori, Tiziana; Cirilli, Roberto; Kutner, Włodzimierz; Magni, Mirko; <u>Mussini, Patrizia Romana</u> ; Noworyta, Krzysztof; <u>Sannicolo, Francesco</u>	2015, 6, 1706-1711	9,211
29.	CHEMICAL SOCIETY REVIEWS	One-dimension-based spatially ordered architectures for solar energy conversion	Liu, Siqi; Tang, Zi-Rong; Sun, Yugang; <u>Colmenares, Juan Carlos</u> ; <u>Xu, Yi-Jun</u>	2015, 44, 5053-5075	33,383
30.	CHEMISTRY-A EUROPEAN JOURNAL	Substituent and Solvent Effects on the Excited State Deactivation Channels in Anils and Boranils	Dobkowski, Jacek; Wnuk, Pawel; Buczynska, Joanna; Pszona, Maria; Orzanowska, Grazyna; Fratth, Denis; Ulrich, Gilles; Massue, Julien; Mosquera-Vazquez, Sandra; <u>Vauthey, Eric</u> ; Radzewicz, Czeslaw; Ziwsel, Raymond; Waluk, Jacek	2015, 21, 3, 1312-1327	5,731
31.	CHEMISTRY-A EUROPEAN JOURNAL	Experimental and Computational Insights into Carbon Dioxide Fixation by RZnOH Species	Sokolowski, Kamil; Bury, Wojciech; Tulewicz, Adam; Cieslak, Anna M.; Justyniak, Iwona; Kubicki, Dominik; Krajewska, Elzbieta; Milet, Anne, Moszynski, Robert; <u>Lewinski, Janusz</u>	2015, 21, 14, 5496-5503	5,731
32.	CHEMISTRY-A EUROPEAN JOURNAL	NMR Signal Enhancement by Effective SABRE Labeling of Oligopeptides	<u>Ratajczyk, Tomasz</u> ; Gutmann, Torsten; Bernatowicz, Piotr; Buntkowsky, Gerd; Frydel, Jaroslaw; Fedorczyk, Bartłomiej	2015, 21, 12616-12619	5,731

33.	CHEMISTRY-A EUROPEAN JOURNAL	tert-Butyl(tert-butoxy)zinc Hydroxides: Hybrid Models for Single-Source Precursors of ZnO Nanocrystals	Sokolowski, Kamil; Justyniak, Iwona; Bury, Wojciech; Grzonka, Justyna; Kaszkur, Zbigniew; Makolski, Lukasz; Dutkiewicz, Michal; Lewalska, Agnieszka; Krajewska, Elzbieta; Kubicki, Dominik; Wojcik, Katarzyna; Kurzydłowski, Krzysztof J.; <u>Lewinski, Janusz</u>	2015, 21, 14, 5488-5495	5,731
34.	CHEMISTRY-A EUROPEAN JOURNAL	Towards Organized Hybrid Nanomaterials at the Air/Water Interface Based on Liquid-Crystal/ZnO Nanocrystals	Paczesny, Jan; Wolska-Pietkiewicz, Małgorzata ; Binkiewicz, Ilona; Wróbel, Zbigniew; Wadowska, Monika; Matuła, Kinga; Dziecielewski, Igor; Pocięcha, Damian; Smalc-Koziorowska, Julita; <u>Lewiński, Janusz</u> ; Hołyst, Robert	2015, 21, 37, 16941-16947	5,731
35.	CHEMSUSCHEM	Sonophotodeposition of Bimetallic Photocatalysts Pd-Au/TiO ₂ : Application to Selective Oxidation of Methanol to Methyl Formate	<u>Colmenares, Juan C.</u> ; Lisowski, Pawel; Lomot, Dariusz; Chernyayeva, Olga; Lisovytskiy, Dmytro	2015, 8, 10, 1676-1685	7,657
36.	INTERNATIONAL JOURNAL OF NEURAL SYSTEMS	Understanding Networks of Computing Chemical Droplet Neurons Based on Information Flow	Gruenert, Gerd; Gizynski, Konrad; Escuela, Gabi; Ibrahim, Bashar; Gorecki, Jerzy; <u>Dittrich, Peter</u>	2015, 25, 7, 1450032	6,507
37.	JOURNAL OF CHEMICAL THEORY AND COMPUTATION	Proton Dynamics on Goethite Nanoparticles and Coupling to Electron Transport	<u>Zarzycki, Piotr</u> ; Smith, Dayle M.; Rosso, Kevin M.	2015, 11, 4, 1715-1724	5,498
38.	JOURNAL OF MATERIALS CHEMISTRY A	Mechanosynthesis of the hybrid perovskite CH ₃ NH ₃ PbI ₃ : characterization and the corresponding solar cell efficiency	Prochowicz, D.; Franckevicius, M.; Cieślak, A. M.; Zakeeruddin, S. M.; Gratzel, M.; <u>Lewiński, J.</u>	2015, 3, 20772-20777	7,443

39.	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	In Search for the Best Environment for Single Molecule Studies: Photostability of Single Terrylenediimide Molecules in Various Polymer Matrices	Piwonski, Hubert; Sokolowski, Adam; <u>Waluk, Jacek</u>	2015, 6, 13, 2477-2482	7,458
40.	JOURNAL OF POWER SOURCES	Tris(hydroxymethyl)aminomethane photooxidation on titania based photoanodes and its implication for photoelectrochemical biofuel cells	Filipiak, Marcin S.; Zloczewska, Adrianna; Grzeskowiak, Piotr; Lynch, Robert; <u>Joensson-Niedziolka, Martin</u>	2015, 289, 17-21	6,217
41.	LAB ON A CHIP	A droplet microfluidic system for sequential generation of lipid bilayers and transmembrane electrical recordings	Czekalska, Magdalena A.; Kaminski, Tomasz S.; Jakiela, Slawomir; Sapra, K. Tanuj; <u>Bayley, Hagan</u> ; <u>Garstecki, Piotr</u>	2015, 15, 2, 541-548	6,115
42.	NANOSCALE	Tailored gold nanostructure arrays as catalysts for oxygen reduction in alkaline media and a single molecule SERS platform	<u>Nogala, Wojciech</u> ; Kannan, Palanisamy; Gawinkowski, Sylwester; Joensson-Niedziolka, Martin; Kominiak, Magdalena; Waluk, Jacek; Opallo, Marcin	2015, 7, 24, 10767-10774	7,394
43.	NANOSCALE	Nanoparticle characterization by means of scanning free grazing emission X-ray fluorescence	<u>Kayser, Yves</u> ; Sa, Jacinto; Szlachetko, Jakub	2015, 7, 20, 9320-9330	7,394
44.	NATURE PHYSICS	Go with the flow	<u>Garstecki, Piotr</u> ; <u>Holyst, Robert</u>	2015, 11, 4, 305-306	20,147
45.	PHYSICAL REVIEW LETTERS	Droplet Clusters: Exploring the Phase Space of Soft Mesoscale Atoms	<u>Guzowski, Jan</u> ; <u>Garstecki, Piotr</u>	2015, 114, 18, 188302	7,512
46.	PHYSICAL REVIEW LETTERS	Small Crowders Slow Down Kinesin-1 Stepping by Hindering Motor Domain Diffusion	Sozanski, Krzysztof; Ruhnaw, Felix; Wisniewska, Agnieszka; Tabaka, Marcin; Diez, Stefan; <u>Holyst, Robert</u>	2015, 115, 21, 218102	7,512

47.	PROGRESS IN POLYMER SCIENCE	Functionalized polythiophenes: Recognition materials for chemosensors and biosensors of superior sensitivity, selectivity, and detectability	Huynh, Tan-Phat; Sharma, Piyush S.; Sosnowska, Marta; <u>D'Souza, Francis</u> ; <u>Kutner, Włodzimierz</u>	2015, 47, 1, 9171-9179	26,932
48.	SCIENTIFIC REPORTS	A peptide factor secreted by <i>Staphylococcus pseudintermedius</i> exhibits properties of both bacteriocins and virulence factors	Władyka, Benedykt; Piejko, Marcin; Bzowska, Monika; Pieta, Piotr; Krzysik, Monika; Mazurek, Łukasz; Guevara-Lora, Ibeth; Bukowski, Michał; Sabat, Artur J.; Friedrich, Alexander W.; Bonar, Emilia; Międzobrodzki, Jacek; Dubin, Adam; <u>Mak, Paweł</u>	2015,5, 14569	5,578
49.	SCIENTIFIC REPORTS	Sterilization of polydimethylsiloxane surface with Chinese herb extract: a new antibiotic mechanism of chlorogenic acid	<u>Ren, Song</u> ; <u>Wu, Ming</u> ; Guo, Jiayu; Zhang, Wang; Liu, Xiaohan; Sun, Lili; Holyst, Robert; Hou, Sen; Fang, Yongchun; Feng, Xizeng	2015, 5, 10464	5,578