

Kacper Pilarczyk

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

390
citations

759190

12
h-index

888047

17
g-index

21
all docs

21
docs citations

21
times ranked

505
citing authors

#	ARTICLE	IF	CITATIONS
1	Synaptic Behavior in an Optoelectronic Device Based on Semiconductorâ€Nanotube Hybrid. <i>Advanced Electronic Materials</i> , 2016, 2, 1500471.	5.1	40
2	Heavy pnictogen chalcogenides: the synthesis, structure and properties of these rediscovered semiconductors. <i>Chemical Communications</i> , 2018, 54, 12133-12162.	4.1	39
3	Spectroelectrochemical analysis of TiO ₂ electronic states â€“ Implications for the photocatalytic activity of anatase and rutile. <i>Catalysis Today</i> , 2018, 309, 35-42.	4.4	36
4	Redox characterization of semiconductors based on electrochemical measurements combined with UV-Vis diffuse reflectance spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14256.	2.8	32
5	A three-valued photoelectrochemical logic device realising accept anything and consensus operations. <i>Chemical Communications</i> , 2015, 51, 3559-3561.	4.1	32
6	Molecules, semiconductors, light and information: Towards future sensing and computing paradigms. <i>Coordination Chemistry Reviews</i> , 2018, 365, 23-40.	18.8	32
7	Photoelectrochemistry of n-type antimony sulfide nanowires. <i>Nanotechnology</i> , 2015, 26, 105710.	2.6	28
8	Lead molybdate â€“ a promising material for optoelectronics and photocatalysis. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2614-2623.	5.5	26
9	Coordination chemistry for information acquisition and processing. <i>Coordination Chemistry Reviews</i> , 2016, 325, 135-160.	18.8	26
10	Light intensity-induced photocurrent switching effect. <i>Nature Communications</i> , 2020, 11, 854.	12.8	25
11	Bi _x La _{1-x} VO ₄ solid solutions: tuning of electronic properties via stoichiometry modifications. <i>Nanoscale</i> , 2014, 6, 2244-2254.	5.6	22
12	Organotitanium-Based Nanostructures as a Suitable Platform for the Implementation of Binary, Ternary, and Fuzzy Logic Systems. <i>ChemPhysChem</i> , 2017, 18, 1798-1810.	2.1	16
13	Hardware Realization of the Pattern Recognition with an Artificial Neuromorphic Device Exhibiting a Short-Term Memory. <i>Molecules</i> , 2019, 24, 2738.	3.8	12
14	Tuning of the Seebeck Coefficient and the Electrical and Thermal Conductivity of Hybrid Materials Based on Polypyrrole and Bismuth Nanowires. <i>ChemPhysChem</i> , 2018, 19, 1617-1626.	2.1	7
15	Tuning of electronic properties of fullerene-oligothiophene layers. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	5
16	Unconventional Computing Realized with Hybrid Materials Exhibiting the PhotoElectrochemical Photocurrent Switching (PEPS) Effect. <i>Emergence, Complexity and Computation</i> , 2017, , 429-467.	0.3	5
17	Charge transfer tuning in TiO ₂ hybrid nanostructures with acceptorâ€“acceptor systems. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2415-2424.	5.5	4
18	Acoustic wave sensing devices and their LTCC packaging. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Novel information processing devices: A material odyssey. , 2016, , .		0
20	Experimental and Theoretical Evidence of Photocurrent Amplification in Hybrid Material Based on Dibenzo-18-Crown-6. , 2019, , .		0
21	New approaches towards chemosensing. , 2019, , .		0