

Anna Kusior

List of Publications by Year in descending order

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35
papers

841
citations

471061

17
h-index

476904

29
g-index

36
all docs

36
docs citations

36
times ranked

1298
citing authors

#	ARTICLE	IF	CITATIONS
1	Shaped Fe ₂ O ₃ nanoparticles – Synthesis and enhanced photocatalytic degradation towards RhB. Applied Surface Science, 2019, 476, 342-352.	3.1	93
2	Nanostructured TiO ₂ -based gas sensors with enhanced sensitivity to reducing gases. Beilstein Journal of Nanotechnology, 2016, 7, 1718-1726.	1.5	88
3	TiO ₂ –SnO ₂ nanomaterials for gas sensing and photocatalysis. Journal of the European Ceramic Society, 2013, 33, 2285-2290.	2.8	75
4	TiO ₂ nanostructures for photoelectrochemical cells (PECs). International Journal of Hydrogen Energy, 2015, 40, 4936-4944.	3.8	54
5	Structural properties of TiO ₂ nanomaterials. Journal of Molecular Structure, 2018, 1157, 327-336.	1.8	54
6	Photocatalytic activity of TiO ₂ /SnO ₂ nanostructures with controlled dimensionality/complexity. Applied Surface Science, 2019, 471, 973-985.	3.1	46
7	Structural, optical and electrical properties of nanocrystalline TiO ₂ , SnO ₂ and their composites obtained by the sol-gel method. Journal of the European Ceramic Society, 2016, 36, 2981-2989.	2.8	44
8	Biopolymeric hydrogels – nanostructured TiO ₂ hybrid materials as potential injectable scaffolds for bone regeneration. Colloids and Surfaces B: Biointerfaces, 2016, 148, 607-614.	2.5	41
9	Gas sensing properties of TiO ₂ –SnO ₂ nanomaterials. Sensors and Actuators B: Chemical, 2013, 187, 445-454.	4.0	36
10	Sensitization of TiO ₂ /SnO ₂ nanocomposites for gas detection. Sensors and Actuators B: Chemical, 2013, 189, 251-259.	4.0	33
11	CdS for TiO ₂ -based heterostructures as photoactive anodes in the photoelectrochemical cells. International Journal of Hydrogen Energy, 2016, 41, 7548-7562.	3.8	33
12	TiO ₂ flower-like nanostructures decorated with CdS/PbS nanoparticles. Materials Research Bulletin, 2014, 60, 28-37.	2.7	27
13	Nanocrystalline TiO ₂ /SnO ₂ heterostructures for gas sensing. Beilstein Journal of Nanotechnology, 2017, 8, 108-122.	1.5	27
14	Nanocrystalline TiO ₂ /SnO ₂ composites for gas sensors. Journal of Thermal Analysis and Calorimetry, 2012, 108, 1079-1084.	2.0	25
15	Sn and Cu oxide nanoparticles deposited on TiO ₂ nanoflower 3D substrates by Inert Gas Condensation technique. Applied Surface Science, 2016, 380, 193-202.	3.1	25
16	Surface-Controlled Photocatalysis and Chemical Sensing of TiO ₂ , Fe ₂ O ₃ , and Cu ₂ O Nanocrystals. Crystals, 2019, 9, 163.	1.0	23
17	Sensitization of Gas Sensing Properties in TiO ₂ /SnO ₂ Nanocomposites. Procedia Engineering, 2012, 47, 1073-1076.	1.2	19
18	Thermoelectric Properties of Cu ₂ Se Synthesized by Hydrothermal Method and Densified by SPS Technique. Materials, 2021, 14, 3650.	1.3	15

#	ARTICLE	IF	CITATIONS
19	The role of TiO ₂ polymorphs as support for the Keggin-type tungstophosphoric heteropolyacid as catalysts for n-butanol dehydration. <i>Catalysis Today</i> , 2021, 380, 84-92.	2.2	13
20	Search for mid- and high-entropy transition-metal chalcogenides – investigating the pentlandite structure. <i>Dalton Transactions</i> , 2021, 50, 9560-9573.	1.6	11
21	Nonenzymatic Glucose Sensors Based on Copper Sulfides: Effect of Binder-Particles Interactions in Drop-Casted Suspensions on Electrodes Electrochemical Performance. <i>Sensors</i> , 2021, 21, 802.	2.1	11
22	Oxide Nanomaterials for Photoelectrochemical Hydrogen Energy Sources. <i>Advances in Inorganic Chemistry</i> , 2018, , 145-183.	0.4	9
23	Synthesis of anisotropic Cu ₂ xS-based nanostructures by thermal oxidation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 4321-4329.	2.0	9
24	Hard-template synthesis of titanium dioxide hollow spheres. <i>Micro and Nano Letters</i> , 2014, 9, 721-725.	0.6	6
25	Electrochemical Characterization of Modified Glassy Carbon Electrodes for Non-Enzymatic Glucose Sensors. <i>Sensors</i> , 2021, 21, 7928.	2.1	6
26	New insights into the formation of multi-core-shell mesoporous SnO ₂ @SnS ₂ nanostructures. <i>Materials Research Letters</i> , 2021, 9, 445-451.	4.1	5
27	From Adsorbent to Photocatalyst: The Sensitization Effect of SnO ₂ Surface towards Dye Photodecomposition. <i>Molecules</i> , 2021, 26, 7123.	1.7	5
28	Voltammetric Detection of Glucose – The Electrochemical Behavior of the Copper Oxide Materials with Well-Defined Facets. <i>Sensors</i> , 2022, 22, 4783.	2.1	4
29	Interface design, surface-related properties, and their role in interfacial electron transfer. Part II: Photochemistry-related topics. <i>Advances in Inorganic Chemistry</i> , 2022, , .	0.4	2
30	Interface design, surface-related properties, and their role in interfacial electron transfer. Part I: Materials-related topics. <i>Advances in Inorganic Chemistry</i> , 2022, , 377-413.	0.4	2
31	Copper Sulfide Materials for Nonenzymatic Glucose Detection. , 2018, , .		0
32	Light harvesting and charge transfer in metal oxide nanomaterials for hydrogen energy generation. , 2019, , .		0
33	Synthesis and thermoelectric properties of Cu _{1.8} S. , 2019, , .		0
34	Synthesis and thermoelectric properties of Cu _{1.8} S. , 2019, , .		0
35	Copper selenide as a promising semiconductor for thermoelectric conversion. , 2019, , .		0