

Anna Malankowska

List of Publications by Year in descending order

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29
papers

1,352
citations

471371

17
h-index

501076

28
g-index

29
all docs

29
docs citations

29
times ranked

2210
citing authors

#	ARTICLE	IF	CITATIONS
1	Size and shape-dependent cytotoxicity profile of gold nanoparticles for biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 92.	1.7	147
2	The role of lanthanides in TiO ₂ -based photocatalysis: A review. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 301-317.	10.8	146
3	Quantum dot-decorated semiconductor micro- and nanoparticles: A review of their synthesis, characterization and application in photocatalysis. <i>Advances in Colloid and Interface Science</i> , 2018, 256, 352-372.	7.0	129
4	Impact of gold nanoparticles shape on their cytotoxicity against human osteoblast and osteosarcoma in in vitro model. Evaluation of the safety of use and anti-cancer potential. <i>Journal of Materials Science: Materials in Medicine</i> , 2019, 30, 22.	1.7	127
5	Ionic liquids for nano- and microstructures preparation. Part 1: Properties and multifunctional role. <i>Advances in Colloid and Interface Science</i> , 2016, 230, 13-28.	7.0	100
6	The effect of gold shape and size on the properties and visible light-induced photoactivity of Au-TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2016, 196, 27-40.	10.8	83
7	Ionic liquids for nano- and microstructures preparation. Part 2: Application in synthesis. <i>Advances in Colloid and Interface Science</i> , 2016, 227, 1-52.	7.0	77
8	Photocatalytically Active TiO ₂ /Ag ₂ O Nanotube Arrays Interlaced with Silver Nanoparticles Obtained from the One-Step Anodic Oxidation of Ti-Ag Alloys. <i>ACS Catalysis</i> , 2017, 7, 2753-2764.	5.5	76
9	Optical and photocatalytic properties of rare earth metal-modified ZnO quantum dots. <i>Applied Surface Science</i> , 2019, 464, 651-663.	3.1	64
10	Remarkable visible-light induced hydrogen generation with ZnIn ₂ S ₄ microspheres/CuInS ₂ quantum dots photocatalytic system. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 486-498.	3.8	44
11	Self-Organized TiO ₂ -MnO ₂ Nanotube Arrays for Efficient Photocatalytic Degradation of Toluene. <i>Molecules</i> , 2017, 22, 564.	1.7	43
12	TiO ₂ and NaTaO ₃ Decorated by Trimetallic Au/Pd/Pt Core-Shell Nanoparticles as Efficient Photocatalysts: Experimental and Computational Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16665-16682.	3.2	38
13	A chemoinformatics approach for the characterization of hybrid nanomaterials: safer and efficient design perspective. <i>Nanoscale</i> , 2019, 11, 11808-11818.	2.8	35
14	Morphology, surface properties and photocatalytic activity of the bismuth oxyhalides semiconductors prepared by ionic liquid assisted solvothermal method. <i>Separation and Purification Technology</i> , 2019, 217, 164-173.	3.9	33
15	Growth, Structure, and Photocatalytic Properties of Hierarchical V ₂ O ₅ -TiO ₂ Nanotube Arrays Obtained from the One-step Anodic Oxidation of Ti-V Alloys. <i>Molecules</i> , 2017, 22, 580.	1.7	31
16	Combined experimental and computational approach to developing efficient photocatalysts based on Au/Pd-TiO ₂ nanoparticles. <i>Environmental Science: Nano</i> , 2016, 3, 1425-1435.	2.2	29
17	Evaluating the toxicity of TiO ₂ -based nanoparticles to Chinese hamster ovary cells and <i>Escherichia coli</i> : a complementary experimental and computational approach. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2171-2180.	1.5	29
18	The effect of Ag, Au, Pt, and Pd on the surface properties, photocatalytic activity and toxicity of multicomponent TiO ₂ -based nanomaterials. <i>Environmental Science: Nano</i> , 2020, 7, 3557-3574.	2.2	17

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19	Morphology Regulation Mechanism and Enhancement of Photocatalytic Performance of BiOX (X = Cl, Br, I) by TiO ₂ Nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 103117.	1.6	18
20	Application of metal oxide-based photocatalysis. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 211-340.		13
21	The Effect of AgInS ₂ , SnS, CuS ₂ , Bi ₂ S ₃ Quantum Dots on the Surface Properties and Photocatalytic Activity of QDs-Sensitized TiO ₂ Composite. <i>Catalysts</i> , 2020, 10, 403.	1.6	13
22	Application of BiOCl photocatalyst to cytostatic drugs removal from water; mechanism and toxicity assessment. <i>Separation and Purification Technology</i> , 2021, 254, 117601.	3.9	13
23	Design, Synthesis, and Enzymatic Evaluation of Novel ZnO Quantum Dot-Based Assay for Detection of Proteinase 3 Activity. <i>Bioconjugate Chemistry</i> , 2018, 29, 1576-1583.	1.8	10
24	TiO ₂ /Co _x O _y composite nanotube arrays via one step electrochemical anodization for visible light-induced photocatalytic reaction. <i>Surfaces and Interfaces</i> , 2018, 12, 179-189.	1.5	10
25	Lanthanide-organic-frameworks modified ZnIn ₂ S ₄ for boosting hydrogen generation under UV-Vis and visible light. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 16065-16079.	3.8	10
26	Metal Titanate (ATiO ₃ , A: Ni, Co, Mg, Zn) Nanorods for Toluene Photooxidation under LED Illumination. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10850.	1.3	9
27	Catalytic Activity of New Oxovanadium(IV) Microclusters with 2-Phenylpyridine in Olefin Oligomerization. <i>Materials</i> , 2021, 14, 7670.	1.3	5
28	Editorial Catalysts: Special Issue on Recent Advances in TiO ₂ Photocatalysts. <i>Catalysts</i> , 2021, 11, 790.	1.6	3
29	Development of novel (BiO) ₂ O·HCl/BiOBr enriched with boron doped-carbon nanowalls for photocatalytic cytostatic drug degradation: assessing photocatalytic process utilization in environmental condition. <i>Applied Surface Science</i> , 2022, , 152664.	3.1	2