

A review of ZnO nanoparticles as solar photocatalysts: S applications

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional ZnO Hierarchical Nanostructures: Solution Phase Synthesis and Applications. <i>Materials</i> , 2017, 10, 1304.	1.3	69
2	Enhanced photocatalytic degradation of lindane using metal-semiconductor Zn@ZnO and ZnO/Ag nanostructures. <i>Journal of Environmental Sciences</i> , 2018, 74, 107-115.	3.2	87
3	Enhancing photoresponsivity of ultraviolet photodetectors based on ZnO/ZnO:Eu ($x=0, 0.2, 1, 5$ and) Tj ETQq0,0 0 rgBJ /Overlock	1.4	7
4	A novel rapid synthesis, characterization and applications of calcium phosphate nanospheres from Baltic seawater. <i>Ceramics International</i> , 2018, 44, 9076-9079.	2.3	1
5	Fabrication and catalytic activities of anodes consisting of ZnO nanorods on boron-doped diamond film. <i>Journal of Alloys and Compounds</i> , 2018, 743, 187-195.	2.8	13
6	Review on the criteria anticipated for the fabrication of highly efficient ZnO-based visible-light-driven photocatalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 1-25.	2.9	697
7	Combination of Ag ₂ CrO ₄ and AgI semiconductors with g-C ₃ N ₄ : Novel nanocomposites with substantially improved photocatalytic performance under visible light. <i>Solid State Sciences</i> , 2018, 77, 62-73.	1.5	16
8	Mn-doping-induced photocatalytic activity enhancement of ZnO nanorods prepared on glass substrates. <i>Applied Surface Science</i> , 2018, 439, 285-297.	3.1	131
9	A review on bio-synthesized zinc oxide nanoparticles using plant extracts as reductants and stabilizing agents. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 201-221.	1.7	233
10	Photocatalytic oxidation of six endocrine disruptor chemicals in wastewater using ZnO at pilot plant scale under natural sunlight. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34995-35007.	2.7	43
11	Chitosan Membrane Embedded With ZnO/CuO Nanocomposites for the Photodegradation of Fast Green Dye Under Artificial and Solar Irradiation. <i>Analytical Chemistry Insights</i> , 2018, 13, 117739011876336.	2.7	42
12	TiO ₂ coated ZnO nanorods growth using NCD process and their gas sensing properties. <i>Superlattices and Microstructures</i> , 2018, 120, 250-256.	1.4	6
13	High-performance ultraviolet-visible driven ZnO morphologies photocatalyst obtained by microwave-assisted hydrothermal method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 358-367.	2.0	33
14	Deposition of ZnO thin films by ultrasonic spray pyrolysis technique. Effect of the milling speed and time and its application in photocatalysis. <i>Materials Science in Semiconductor Processing</i> , 2018, 75, 288-295.	1.9	30
15	A review on bismuth telluride (Bi ₂ Te ₃) nanostructure for thermoelectric applications. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 4159-4169.	8.2	257
16	Halide-Modulated Functionality of Wide Band Gap Zinc Oxide Semiconductor Nanoparticle. <i>ChemistrySelect</i> , 2018, 3, 6382-6393.	0.7	4
17	On the Interactions and Synergism between Phases of Carbon-Phosphorus-Titanium Composites Synthesized from Cellulose for the Removal of the Orange-G Dye. <i>Materials</i> , 2018, 11, 1766.	1.3	27
18	Effects of three different nanoparticles on bioaccumulation, oxidative stress, osmoregulatory, and immune responses of <i>Carcinus aestuarii</i> . <i>Toxicological and Environmental Chemistry</i> , 2018, 100, 693-716.	0.6	6

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20	Linking nanomaterial properties to biological outcomes: analytical chemistry challenges in nanotoxicology for the next decade. Chemical Communications, 2018, 54, 12787-12803.	2.2	33
21	Band Engineering of SrTiO ₃ : Effect of Synthetic Technique and Site Occupancy of Doped Rhodium. Journal of Physical Chemistry C, 2018, 122, 27567-27574.	1.5	56
22	Botanically Templated Monolithic Macrostructured Zinc Oxide Materials for Photocatalysis. Inorganics, 2018, 6, 103.	1.2	2
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27	Activated Hydrotalcites Obtained by Coprecipitation as Photocatalysts for the Degradation of 2,4,6-Trichlorophenol. Advances in Materials Science and Engineering, 2018, 2018, 1-15.	1.0	6
28	Surface modification of micro-sized CuO by in situ-growing heterojunctions CuO/Cu ₂ O and CuO/Cu ₂ O/Cu: effect on surface charges and photogenerated carrier lifetime. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	16
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32	Graphene and silver decorated ZnO composite synthesis, characterization and photocatalytic activity evaluation. Diamond and Related Materials, 2018, 90, 26-31.	1.8	63
33	A Facile Synthesis of Visible-Light Driven Rod-on-Rod like \pm -FeOOH/ \pm -AgVO ₃ Nanocomposite as Greatly Enhanced Photocatalyst for Degradation of Rhodamine B. Catalysts, 2018, 8, 392.	1.6	42
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38	Synthesis of Pr-doped ZnO nanoparticles: Their structural, optical, and photocatalytic properties. <i>Chinese Physics B</i> , 2018, 27, 086102.	0.7	17
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45	Photon-absorption-based explanation of ultrasonic-assisted solar photochemical splitting of water to improve hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 14439-14450.	3.8	18
46	Graphene/ZnO nanocomposite with seamless interface renders photoluminescence quenching and photocatalytic activity enhancement. <i>Journal of Materials Science</i> , 2018, 53, 13924-13935.	1.7	8
47	The effect of doping with rare earth elements (Sc, Y, and La) on the stability, structural, electronic and photocatalytic properties of the O-terminated ZnO surface; A first-principles study. <i>Applied Surface Science</i> , 2018, 457, 315-322.	3.1	28
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56	New Insights into Sensitization Mechanism of the Doped Ce (IV) into Strontium Titanate. <i>Materials</i> , 2018, 11, 646.	1.3	32
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74	A Novel Process for the Preparation of ZnO Nanoparticles and ZnO/Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 8180-8186.	0.9	1
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87	Core-Shell or Dimer Heterostructures? Synergistic Catalysis of an Advanced Oxidation Process at the Exposed Interface under Illumination. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28996-29003.	4.0	5
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107	Analysis of the Structural Evolution of Zinc Oxide Powders Obtained by Mechanical High-Energy Grinding. <i>Technical Physics</i> , 2019, 64, 1330-1335.	0.2	2
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116	Irisin alleviates pulmonary epithelial barrier dysfunction in sepsis-induced acute lung injury via activation of AMPK/SIRT1 pathways. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109363.	2.5	87
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128	Design and tailoring of one-dimensional ZnO nanomaterials for photocatalytic degradation of organic dyes: a review. <i>Research on Chemical Intermediates</i> , 2019, 45, 2197-2254.	1.3	131
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