

Zinc Oxide—From Synthesis to Application: A Review

Materials

7, 2833-2881

DOI: [10.3390/ma7042833](https://doi.org/10.3390/ma7042833)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis and photoluminescence of metal coated ZnO nanoparticles. , 2014, , .		1
2	Controlled growth of well-aligned ZnO nanorod arrays by hydrothermal method. Proceedings of SPIE, 2014, , .	0.8	4
3	Luminescence of II-VI Semiconductor Nanoparticles. Solid State Phenomena, 0, 222, 1-65.	0.3	17
4	O ₂ adsorption dependent photoluminescence emission from metal oxide nanoparticles. Physical Chemistry Chemical Physics, 2014, 16, 23922-23929.	1.3	38
5	Template-free sonochemical synthesis of flower-like ZnO nanostructures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3315-3318.	0.9	9
6	Tunable Power Switching in Nonvolatile Flexible Memory Devices Based on Graphene Oxide Embedded with ZnO Nanorods. Journal of Physical Chemistry C, 2014, 118, 21357-21364.	1.5	63
7	Macroporous ZnO Foams by High Internal Phase Emulsion Technique: Synthesis and Catalytic Activity. ACS Applied Materials & Interfaces, 2014, 6, 19075-19081.	4.0	54
8	One-step deposition of ZnO morphologies from single aqueous chemical bath prepared from reverse osmosis processed water. Materials Letters, 2014, 137, 366-368.	1.3	5
9	Superhydrophobic ZnO networks with high water adhesion. Nanoscale Research Letters, 2014, 9, 385.	3.1	23
10	Electrostatic force analysis, optical measurements, and structural characterization of zinc oxide colloidal quantum dots synthesized by sol-gel method. Journal of Applied Physics, 2015, 118, .	1.1	5
11	Nanotribology of nanooxide materials in ionic liquids on silicon wafers. AIP Conference Proceedings, 2015, , .	0.3	0
12	A study of 3-D Zinc Oxide nanowire field effect transistor with defect and interface charge density. , 2015, , .		1
13	Efficiency enhancement of InP _{0.15} As _{0.85} based inverted QD-LEDs by incorporation of a polyethylenimine modified Al:ZnO layer. Journal of the Society for Information Display, 2015, 23, 377-383.	0.8	8
14	Evaluation of 2-week repeated oral dose toxicity of 100 nm zinc oxide nanoparticles in rats. Laboratory Animal Research, 2015, 31, 139.	1.1	29
15	Biosynthesis and Characterization of Zinc Oxide Nanoparticles Using Root Extract of Zingiber Officinale. Oriental Journal of Chemistry, 2015, 31, 51-56.	0.1	68
16	Molecular Mechanisms of ZnO Nanoparticle Dispersion in Solution: Modeling of Surfactant Association, Electrostatic Shielding and Counter Ion Dynamics. PLoS ONE, 2015, 10, e0125872.	1.1	5
17	Paramagnetism of cobalt-doped ZnO nanoparticles obtained by microwave solvothermal synthesis. Beilstein Journal of Nanotechnology, 2015, 6, 1957-1969.	1.5	44
18	Correlation of Defect-Related Optoelectronic Properties in ZnO Nanoparticles $\text{ZnO} + 5\text{OH}^- \rightarrow \text{Zn(OH)}_2 + 4\text{O}^{2-}$ Tj ETQq1 1 0.784314 rgBT /Overlock		

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19	Optimization of Parameters and its Effect on Size of ZnO Nanoparticles Synthesized by Sol-gel Method. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 403-411.	0.5	0
20	Effect of indium concentration on morphology of ZnO nanostructures grown by using CVD method and their application for H ₂ gas sensing. <i>Superlattices and Microstructures</i> , 2015, 82, 349-356.	1.4	13
21	The effect of growth conditions, point defects and hydrogen on the electronic structure and properties of p-type (Al,N) codoped ZnO: A first principles study. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 148-155.	1.9	8
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23	Correlated effects of preparation parameters and thickness on morphology and optical properties of ZnO very thin films. <i>Journal of Crystal Growth</i> , 2015, 423, 38-44.	0.7	7
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1078	The potential of nanomaterials associated with plant growth-promoting bacteria in agriculture. <i>3 Biotech</i> , 2021, 11, 318.	1.1	18
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