

# CITATION REPORT

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## Defect emissions in ZnO nanostructures

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#	Paper	IF	Citations
598	Small angle X-ray scattering and photoluminescence study of ZnO nanoparticles synthesized by hydrothermal process. <b>2007</b> , 2, 177-182		8
597	Optical characterization of hierarchical ZnO structures grown with a simplified vapour transport method. <i>Nanotechnology</i> , <b>2007</b> , 18, 215705	3.4	18
596	Multicolor Emission from Ordered Assemblies of Organic 1D Nanomaterials. <b>2007</b> , 19, 3554-3558		113
595	ZnO films grown by successive chemical solution deposition. <i>Applied Physics A: Materials Science and Processing</i> , <b>2007</b> , 89, 923-928	2.6	14
594	Effect of carrier gas species and flow rates on the properties of ZnO thin films prepared by chemical vapor deposition using zinc acetate dihydrate. <i>Applied Surface Science</i> , <b>2008</b> , 254, 7464-7468	6.7	8
593	Effect of annealing on the properties of (100) ZnO films prepared by chemical vapor deposition utilizing zinc acetate dihydrate. <b>2008</b> , 516, 6305-6309		22
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227	Enhanced photocatalytic degradation of methylene blue and methyl orange by ZnO:Eu nanoparticles. <b>2017</b> , 203, 740-752		200
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223	Effect of immobilization technique on performance ZnO nanorods based enzymatic electrochemical glucose biosensor. <b>2017</b> , 924, 012013		0
222	Photoluminescence Studies on ZnO Thin Films Obtained by Sol-Gel Method. <b>2017</b> ,		6

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220	Fabrication of bismuth superhydrophobic surface on zinc substrate. <b>2018</b> , 262, 26-37		11
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211	INVESTIGATIONS ON AZO/Al/AZO MULTILAYER STRUCTURE GROWN AT ROOM TEMPERATURE. <b>2018</b> , 25, 1950033		
210	Phosphor Polymer Nanocomposite: ZnO:Tb <sup>3+</sup> Embedded Polystyrene Nanocomposite Thin Films for Solid-State Lighting Applications. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 977-988	5.6	29
209	Vapor-Transport Synthesis and Annealing Study of Zn Mg O Nanowire Arrays for Selective, Solar-Blind UV-C Detection. <i>ACS Omega</i> , <b>2018</b> , 3, 4899-4907	3.9	11
208	Si membrane/ZnO heterojunction-based broad band visible light emitting diode for flexible optoelectronic devices. <b>2018</b> , 3, 025004		6
207	Electrochemically active XWO <sub>4</sub> (X = Co, Cu, Mn, Zn) nanostructure for water splitting applications. <b>2018</b> , 8, 1241-1258		24
206	Zinc interstitial threshold in Al-doped ZnO film: Effect on microstructure and optoelectronic properties. <b>2018</b> , 123, 165106		25
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202	Investigation of the growth parameters of hydrothermal ZnO nanowires for scale up applications. <b>2018</b> , 22, 538-545		25
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198	Effect of metal/metal oxide coupling on the photoluminescence properties of ZnO microrods. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	7
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191	Monodisperse Zn-doped Fe <sub>3</sub> O <sub>4</sub> formation and photo-Fenton activity for degradation of rhodamine B in water. <b>2018</b> , 121, 1-7		16
190	Fabrication of nitrogen-doped ZnO nanorod arrays by hydrothermal synthesis and ambient annealing.. <b>2018</b> , 8, 23599-23605		14
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182	Effect of Fe doping on structural and optical properties of ZnO films and nanorods. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 770, 854-863	5.7	48
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166	Mapping the structural, electrical, and optical properties of hydrothermally grown phosphorus-doped ZnO nanorods for optoelectronic device applications. <b>2019</b> , 14, 110		5
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164	Synthesis and in situ nitrogen doping of ZnO nanomaterials using a microwave plasma system at atmospheric pressure. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	1
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161	Probing surface states in C60 decorated ZnO microwires: detailed photoluminescence and cathodoluminescence investigations. <b>2019</b> , 1, 1516-1526		15
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144	High-Performance Blue Quantum Dot Light-Emitting Diodes with Balanced Charge Injection. <b>2019</b> , 5, 1800794		27
143	Effects of cadmium insertion in blue-excited photoluminescence of ZnO. <i>Optical Materials</i> , <b>2019</b> , 89, 344-348	3.3	5
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136	Controlling porosity and ultraviolet photoresponse of crystallographically oriented ZnO nanostructures grown by pulsed laser deposition. <b>2019</b> , 162, 24-27		13
135	Highly efficient low-voltage cathodoluminescence of semiconductive nanoporous ZnMnO green phosphor films. <i>Applied Surface Science</i> , <b>2019</b> , 470, 234-240	6.7	2
134	Preparation of superhydrophobic/superoleophilic copper coated titanium mesh with excellent ice-phobic and water-oil separation performance. <i>Applied Surface Science</i> , <b>2019</b> , 476, 353-362	6.7	22
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125	Tuning oxygen vacancies and improving UV sensing of ZnO nanowire by micro-plasma powered by a triboelectric nanogenerator. <i>Nano Energy</i> , <b>2020</b> , 67, 104210	17.1	49
124	Rapid assessment of nanomaterial homogeneity reveals crosswise structural gradients in zinc-oxide nanowire arrays. <i>Nanoscale</i> , <b>2020</b> , 12, 1397-1405	7.7	2
123	A remarkable enhancement in photocatalytic activity of facilely synthesized Terbium@Zinc oxide nanoparticles by flash combustion route for optoelectronic applications. <b>2020</b> , 10, 1811-1823		33
122	Vacancy induced room temperature ferromagnetism in Cu-doped ZnO nanofibers. <i>Applied Surface Science</i> , <b>2020</b> , 506, 144905	6.7	9
121	van der Waals gap-inserted light-emitting p-n heterojunction of ZnO nanorods/graphene/p-GaN film. <b>2020</b> , 20, 352-357		3
120	Growth and characterisation of ZnO micro/nanostructures doped with cerium for photocatalytic degradation applications. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 820, 153146	5.7	9
119	Structure, Raman and luminescence characteristics of Zn <sub>1-x</sub> Hf <sub>x</sub> O (0 ≤ x ≤ 0.1) nanocrystals prepared via N-(methyl)mercaptoacetamide assisted microwave approach. <i>Ceramics International</i> , <b>2020</b> , 46, 23719-23727	5.1	26
118	A brief review of innovative strategies towards structure design of practical electronic display device. <b>2020</b> , 27, 1624-1644		4
117	Synthesis and characterization of high-purity SnO <sub>2</sub> (ZnO:Sn) <sub>m</sub> superlattice nanowire arrays with broad-spectrum emissions. <i>CrystEngComm</i> , <b>2020</b> , 22, 5355-5362	3.3	1
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108	Temperature-dependent photoluminescence of Li-doped ZnO. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 10521-10530	2.1	4
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105	ZnAl <sub>2</sub> O <sub>4</sub> decorated Al-doped ZnO tetrapodal 3D networks: microstructure, Raman and detailed temperature dependent photoluminescence analysis. <b>2020</b> , 2, 2114-2126		8
104	Simultaneous Controlled Seeded-Growth and Doping of ZnO Nanorods with Aluminum and Cerium: Feasibility Assessment and Effect on Photocatalytic Activity. <b>2020</b> , 20, 5508-5525		8
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