

# Blue Luminescence of ZnO Nanoparticles Based on Non Origins and Emission Controls

Advanced Functional Materials

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Citation Report

| #  | ARTICLE                                                                                                                                                                                                                                                   | IF   | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 3  | Heteroepitaxial Growth of ZnO Nanorod Arrays on GaAs (111) Substrates by Electrochemical Deposition. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4339-4343.                                                                              | 1.0  | 8         |
| 4  | Fabry-Pérot and whispering gallery modes enhanced luminescence from an individual hexagonal ZnO nanocolumn. <i>Applied Physics Letters</i> , 2010, 97, 041917.                                                                                            | 1.5  | 14        |
| 5  | Self-powered ultraviolet photodetector based on a single Sb-doped ZnO nanobelt. <i>Applied Physics Letters</i> , 2010, 97, .                                                                                                                              | 1.5  | 139       |
| 6  | Trapping states in CdS:Eu nanobelts studied by excitation-dependent photoluminescence. <i>Journal of Applied Physics</i> , 2010, 108, .                                                                                                                   | 1.1  | 15        |
| 7  | Controlled Growth and Cathodoluminescence Property of ZnS nanobelts with Large Aspect Ratio. <i>Nano-Micro Letters</i> , 2010, 2, 272-276.                                                                                                                | 14.4 | 15        |
| 8  | Unipolar assembly of zinc oxide rods manifesting polarity-driven collective luminescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13588-13592.                                                | 3.3  | 44        |
| 9  | Power- and energy-dependent photoluminescence of Eu <sup>3+</sup> incorporated and segregated ZnO polycrystalline nanobelts synthesized by a facile combustion method followed by heat treatment. <i>Journal of Materials Chemistry</i> , 2010, 20, 7821. | 6.7  | 33        |
| 10 | Nanoarchitectural Evolution from Laser-Produced Colloidal Solution: Growth of Various Complex Cadmium Hydroxide Architectures from Simple Particles. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9277-9289.                                       | 1.5  | 29        |
| 11 | Aqueous phase approach to ZnO microspindles at low temperature. <i>Journal of Alloys and Compounds</i> , 2010, 501, 375-379.                                                                                                                              | 2.8  | 28        |
| 12 | Facile hydrothermal synthesis of novel ZnO nanocubes. <i>Journal of Alloys and Compounds</i> , 2010, 504, L1-L4.                                                                                                                                          | 2.8  | 44        |
| 13 | Synthesis and photoluminescence of ultralong amorphous SiO <sub>2</sub> nanowires catalysed by germanium. <i>CrystEngComm</i> , 2011, 13, 4082.                                                                                                           | 1.3  | 20        |
| 14 | Effect of temperature on Photoluminescence properties of ZnO/mesoporous silica nanocomposite. , 2011, , .                                                                                                                                                 |      | 0         |
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| 17 | Synthesis of highly-transparent Al-doped ZnO porous network thin films. <i>CrystEngComm</i> , 2011, 13, 2661.                                                                                                                                             | 1.3  | 14        |
| 18 | Fabrication of size-controllable Fe <sub>2</sub> O <sub>3</sub> nanoring array via colloidal lithography. <i>Nanoscale</i> , 2011, 3, 2743.                                                                                                               | 2.8  | 25        |
| 19 | Controllable synthesis of ZnO-based core/shell nanorods and core/shell nanotubes. <i>RSC Advances</i> , 2011, 1, 48.                                                                                                                                      | 1.7  | 31        |
| 20 | Reshaping Formation and Luminescence Evolution of ZnO Quantum Dots by Laser-Induced Fragmentation in Liquid. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5038-5043.                                                                               | 1.5  | 70        |

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| 22 | Surface passivated silicon nanocrystals with stable luminescence synthesized by femtosecond laser ablation in solution. Physical Chemistry Chemical Physics, 2011, 13, 20255.                                             | 1.3 | 77        |
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| 35 | Vacuum fluorescent displays utilizing ZnO nanoparticles. Journal of Applied Physics, 2011, 109, .                                                                                                                         | 1.1 | 12        |
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| 131 | From zinc oxide nanoparticles to microflowers: A study of growth kinetics and biocidal activity. <i>Materials Science and Engineering C</i> , 2012, 32, 2381-2389.                                                                        | 3.8 | 51        |
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| 673 | Morphological evolution of hydrothermally derived ZnO nano and microstructures. <i>Optik</i> , 2016, 127, 4621-4624.                                                                                                                                                         | 1.4 | 4         |
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| 1218 | Adsorption and photocatalytic activity of biosynthesised ZnO nanoparticles using Aloe Vera leaf extract. <i>Nano Express</i> , 2021, 2, 010039.                                                                                                   | 1.2 | 10        |
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| 1223 | Synthesis and performance of ZnO quantum dots water-based fluorescent ink for anti-counterfeiting applications. <i>Scientific Reports</i> , 2021, 11, 5841.                                                                                       | 1.6 | 25        |
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| 1252 | Photoluminescence of ZnO:Eu <sup>3+</sup> and ZnO:Tb <sup>3+</sup> coatings formed by plasma electrolytic oxidation of pure zinc substrate. <i>Journal of Luminescence</i> , 2021, 235, 118022.                           | 1.5 | 8         |
| 1253 | Triple-Stack ZnO/AlZnO/YZnO Heterojunction Oxide Thin-Film Transistors by Spray Pyrolysis for High Mobility and Excellent Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 37350-37362.               | 4.0 | 32        |
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| 1266 | Sol-gel fabrication of Ag-Coated ZnO quantum dots nanocomposites with excellent photocatalytic activity. <i>Optical Materials</i> , 2021, 118, 111235.                                                                    | 1.7 | 8         |
| 1267 | Sb <sup>2+</sup> -doped ZnO ceramics: NTC thermistors with high temperature sensitivity and electrical stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24296-24307.                  | 1.1 | 10        |
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| 1275 | High-mobility sputtered F-doped ZnO films as good-performance transparent-electrode layers. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 446-452.                                                          | 1.5  | 6         |
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| 1281 | Fabrication of ZnO Ceramics with Defects by Spark Plasma Sintering Method and Investigations of Their Photoelectrochemical Properties. <i>Nanomaterials</i> , 2021, 11, 2506.                                                      | 1.9  | 8         |
| 1283 | ZrO <sub>2</sub> -doped transparent glass-ceramics embedding ZnO nano-crystalline with enhanced defect emission for potential yellow-light emitter applications. <i>Ceramics International</i> , 2021, 47, 35073-35080.            | 2.3  | 12        |
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| 1285 | Influence of aluminum precursor nature on the properties of AZO thin films and its potential application as oxygen sensor. <i>Optical Materials</i> , 2021, 120, 111406.                                                           | 1.7  | 5         |
| 1286 | Facile preparation of edelweiss-like ZnO microparticles with strong UV-violet emission. <i>Vacuum</i> , 2021, 192, 110457.                                                                                                         | 1.6  | 3         |
| 1287 | Nanostructural characterization and defect-mediated room temperature ferromagnetism of Zn <sub>1-x</sub> FexO (x=0.00-0.07) nanorods prepared via hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2021, 880, 160528. | 2.8  | 3         |



| #    | ARTICLE                                                                                                                                                                                                                                           | IF  | CITATIONS |
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| 1437 | Considerable improved near-infrared luminescence in ionic-free doped ZnAl2O4 by oxygen defects engineering. <i>Journal of Luminescence</i> , 2023, 253, 119455.                                                                              | 1.5  | 6         |
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| 1446 | TiO2/ZnO double-layer broadband antireflective and down-shifting coatings for solar applications. <i>Ceramics International</i> , 2023, 49, 11091-11100.                                                                                     | 2.3  | 8         |
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| 1448 | Structural, optical, and antibacterial properties of Li-doped ZnO nanoparticles synthesized in water: evidence of incorporation of interstitial Li. <i>Physica Scripta</i> , 2023, 98, 015820.                                               | 1.2  | 1         |
| 1449 | Enhanced Photoluminescence in Cd<sub>x</sub>Zn<sub>1-x</sub>S Solid Solution by Suppressing Non-Radiative Recombination for White Light-Emitting Diodes. <i>ACS Applied Nano Materials</i> , 2023, 6, 61-75.                                 | 2.4  | 3         |
| 1450 | Luminescent Inorganic Pigments Used in Ancient and Modern Times. <i>Springer Series on Fluorescence</i> , 2022, , .                                                                                                                          | 0.8  | 0         |
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| #    | ARTICLE                                                                                                                                                                                                                                                               | IF  | CITATIONS |
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| 1462 | Green Synthesis of Zinc Oxide Nanoparticles Using <i>Salvia officinalis</i> Extract. , 2022, , 1-21.                                                                                                                                                                  |     | 2         |
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| 1470 | Calcination-dependent microstructural and optical characteristics of eco-friendly synthesized ZnO nanoparticles and their implementation in analog memristor application. <i>Ceramics International</i> , 2023, , .                                                   | 2.3 | 3         |

| #    | ARTICLE                                                                                                                                                                                             | IF  | CITATIONS |
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| 1472 | Enhancing the gas detection response of biodegradable NO <sub>2</sub> sensors by creating on their surface oxygen-vacancies/zinc-interstitial defects. <i>Synthetic Metals</i> , 2023, 295, 117348. | 2.1 | 2         |
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| 1486 | Cation-defect-induced self-reduction towards efficient mechanoluminescence in Mn <sup>2+</sup> -activated perovskites. <i>Materials Horizons</i> , 2023, 10, 3476-3487.                             | 6.4 | 11        |
| 1516 | Defect-Modulated Trap Engineering of Long Persistent and Mechanoluminescence Phosphors for Advanced Applications. <i>Indian Institute of Metals Series</i> , 2024, , 129-158.                       | 0.2 | 0         |
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