

B Poornaprakash

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

650
citations

567247

15
h-index

580810

25
g-index

29
all docs

29
docs citations

29
times ranked

650
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Composition dependent room temperature ferromagnetism and PL intensity of cobalt doped ZnS nanoparticles. <i>Journal of Alloys and Compounds</i> , 2013, 577, 79-85. | 5.5 | 113 |
| 2 | Structural, optical and magnetic properties of Zn _{0.97} Cr _x Cu _x Cr _{0.03} S nanoparticles. <i>Applied Surface Science</i> , 2012, 258, 5206-5211. | 6.1 | 58 |
| 3 | Room temperature magnetism of Fe doped CdS nanocrystals. <i>Physica B: Condensed Matter</i> , 2012, 407, 2084-2088. | 2.7 | 42 |
| 4 | Dopant induced RTFM and enhancement of fluorescence efficiencies in spintronic ZnS:Ni nanoparticles. <i>Ceramics International</i> , 2014, 40, 2677-2684. | 4.8 | 41 |
| 5 | Compositional, morphological, structural, microstructural, optical, and magnetic properties of Fe, Co, and Ni doped ZnS nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1. | 2.3 | 36 |
| 6 | Structural, morphological, optical, and magnetic properties of Gd-doped and (Gd, Mn) co-doped ZnO nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 93, 111-115. | 2.7 | 33 |
| 7 | Effect of Eu ³⁺ on the morphology, structural, optical, magnetic, and photocatalytic properties of ZnO nanoparticles. <i>Superlattices and Microstructures</i> , 2018, 123, 154-163. | 3.1 | 33 |
| 8 | Defect induced paramagnetism in lightly doped ZnS:Fe nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 73, 63-68. | 2.7 | 31 |
| 9 | Chromium doped ZnS nanoparticles: chemical, structural, luminescence and magnetic studies. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6474-6479. | 2.2 | 25 |
| 10 | Enhanced photocatalytic degradation and hydrogen evolution of ZnS nanoparticles by (Co, Er) co-doping. <i>Materials Letters</i> , 2020, 273, 127887. | 2.6 | 21 |
| 11 | Robust ferromagnetism of ZnO:(Ni+Er) diluted magnetic semiconductor nanoparticles for spintronic applications. <i>Ceramics International</i> , 2021, 47, 18557-18564. | 4.8 | 21 |
| 12 | Influence of transition metals co-doping on CeO ₂ magnetic and photocatalytic activities. <i>Ceramics International</i> , 2020, 46, 5086-5097. | 4.8 | 20 |
| 13 | (Al, Cu) Co-doped ZnS nanoparticles: structural, chemical, optical, and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9897-9902. | 2.2 | 16 |
| 14 | Ammonia(aq)-enhanced growth of cubic SnS thin films by chemical bath deposition for solar cell applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1. | 2.3 | 16 |
| 15 | Tailoring the optical and magnetic properties of ZnS nanoparticles via 3d and 4f elements co-doping. <i>Materials Science in Semiconductor Processing</i> , 2021, 121, 105395. | 4.0 | 16 |
| 16 | Doping-induced photocatalytic activity and hydrogen evolution of ZnS: V nanoparticles. <i>Ceramics International</i> , 2021, 47, 26438-26446. | 4.8 | 16 |
| 17 | Co-Doped ZnS Quantum Dots: Structural, Optical, Photoluminescence, Magnetic, and Photocatalytic Properties. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 539-544. | 1.8 | 15 |
| 18 | Photoluminescence and hydrogen evolution properties of ZnS:Eu quantum dots. <i>Ceramics International</i> , 2021, 47, 28976-28984. | 4.8 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Elemental, morphological, structural, optical, and magnetic properties of erbium doped ZnO nanoparticles. <i>Materials Research Express</i> , 2018, 5, 035018. | 1.6 | 13 |
| 20 | Effect of thiourea concentration on the growth and properties of Cu ₃ SnS ₄ thin films prepared by spray pyrolysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2954-2961. | 2.2 | 11 |
| 21 | CdS:Eu quantum dots for spintronics and photocatalytic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8220-8225. | 2.2 | 10 |
| 22 | Influence of Sm Doping on the Structural, Optical, and Magnetic Properties of ZnO Nanopowders. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 1937-1941. | 1.8 | 9 |
| 23 | Fabrication of Cu ₂ SnS ₃ films by annealing chemically deposited Sn-CuS precursors in a graphite box. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1451-1462. | 2.2 | 8 |
| 24 | Chemical, morphological, structural, optical, and magnetic properties of Zn _{1-x} NdxO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20650-20657. | 2.2 | 8 |
| 25 | Achieving room temperature ferromagnetism in ZnO nanoparticles via Dy doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2316-2321. | 2.2 | 7 |
| 26 | Structural and magnetic properties of ZnS:Tb ³⁺ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3672-3677. | 2.2 | 6 |
| 27 | Structural, Morphological, Optical, Photoluminescence, and Magnetic Properties of Zn _{1-x} Ni _x O Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 493-502. | 1.8 | 5 |
| 28 | Magnetic, electron paramagnetic resonance, and photocatalytic analysis of diluted magnetic semiconductor CdS:V nanoparticles. <i>Ceramics International</i> , 2021, 47, 16240-16247. | 4.8 | 4 |
| 29 | Synthesis and Characterization of ZnS, Zn _{0.96} Eu _{0.04} S, and Zn _{0.95} Eu _{0.04} Tb _{0.01} S Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 529-532. | 1.8 | 1 |