

Sakthivel P

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced orange emission of Zn _{0.98} Mn _{0.02} CoxS (x = 0) quantum dots. Journal of Physics and Chemistry of Solids, 2022, 160, 110370.	1.9	11
2	Influence of Sn ⁴⁺ ion on band gap tailoring, optical, structural and dielectric behaviors of ZnO nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120487.	2.0	15
3	Structural and optical investigations of ZnS quantum dots: influence of pH value. Indian Journal of Physics, 2022, 96, 3755-3760.	0.9	7
4	Influence of Sn ²⁺ ion on structural, morphological and optical characteristics of Cd _{0.9} Zn _{0.1} S _x S (0 ≤ x ≤ 0.06) quantum dots. Indian Journal of Physics, 2021, 95, 741-747.	0.9	8
5	Impact of third-grade nanofluid flow across a convective surface in the presence of inclined Lorentz force: an approach to entropy optimization. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1935-1947.	2.0	42
6	Detoxication and Theranostic Aspects of Biosynthesised Zinc Oxide Nanoparticles for Drug Delivery. Acta Metallurgica Sinica (English Letters), 2021, 34, 729-740.	1.5	6
7	Investigation on the structural and optical properties of Mn ²⁺ doped MgS nanoparticles synthesized by hydrothermal method. Optik, 2021, 225, 165774.	1.4	7
8	Band gap tailoring and photoluminescence performance of CdS quantum dots for white LED applications: influence of Ba ²⁺ and Zn ²⁺ ions. Journal of Materials Science: Materials in Electronics, 2021, 32, 5729-5737.	1.1	11
9	Role of Bi ³⁺ ions on structural, optical, photoluminescence and electrical performance of Cd _{0.9-x} Zn _{0.1} Bi _x S QDs. SN Applied Sciences, 2021, 3, 1.	1.5	9
10	Band gap tailoring, structural and optical features of MgS nanoparticles: Influence of Ag ⁺ ions. Optik, 2021, 236, 166544.	1.4	8
11	The First International Conference on Advances in Computational Science and Engineering (ICACSE) 2021, 1-7.	0.3	0
12	Influence of Cu ²⁺ and Sn ²⁺ ions on optical properties of MgS Nanoparticles: A comparative Analysis. Journal of Physics: Conference Series, 2021, 1964, 062101.	0.3	0
13	Thermally Radiative Casson Fluid Flow over a Cylinder with Newtonian Heating and Heat generation/absorption. Journal of Physics: Conference Series, 2021, 1964, 022001.	0.3	1
14	Band gap engineering on CdS quantum dots through dual doping of Zn ²⁺ and of Ni ²⁺ ions. Journal of Physics: Conference Series, 2021, 1964, 062103.	0.3	1
15	Structural, optical investigations of Zn _{0.98-x} Sn _{0.02} MnxS (x = 0.04) quantum dots for optoelectronic applications. Optik, 2021, 240, 166788.	1.4	1
16	Structural, photoluminescence, antibacterial and biocompatibility features of zinc incorporated hydroxyapatite nanocomposites. Journal of Materials Science: Materials in Electronics, 2021, 32, 5050-5064.	1.1	11
17	Tuning of Photoluminescence and Antibacterial Properties of ZnO Nanoparticles through Sr Doping for Biomedical Applications. Journal of Nanomaterials, 2021, 2021, 1-7.	1.5	15
18	Structural, optical, thermal, and magnetic properties of strontium nitrate doped L-Alanine crystal. Optik, 2020, 221, 165336.	1.4	7

#	ARTICLE	IF	CITATIONS
19	Effect of Pd ²⁺ co-doping on the structural and optical properties of Mn ²⁺ :ZnS nanoparticles. Optics and Laser Technology, 2020, 130, 106365.	2.2	13
20	Influence of Ag ⁺ and Mn ²⁺ ions on structural, optical and photoluminescence features of ZnS quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 241, 118666.	2.0	20
21	Structural, morphological and photoluminescence characteristics of Cd _{0.9-x} Zn _{0.1} S quantum dots: Effect of Fe ²⁺ ion. Optik, 2020, 205, 164220.	1.4	11
22	Effect of Mg on Cd _{0.9-x} Zn _{0.1} S nanoparticles for optoelectronic applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	16
23	Incorporation of silver ion on structural and optical characteristics of CeO ₂ nanoparticles: White LED applications. Optik, 2020, 216, 164800.	1.4	14
24	Microwave assisted green synthesis of zinc oxide nanoparticles for biological applications. AIP Conference Proceedings, 2020, , .	0.3	4
25	Structural and optical properties of Zn _{0.98} T _{0.02} S (T=Mn, Cu, Ni, Co, Cr, Cd & Sn) quantum dots: A comparative study. AIP Conference Proceedings, 2019, , .	0.3	1
26	Structural, optical, electrochemical, and antibacterial features of ZnS nanoparticles: incorporation of Sn. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	36
27	Structural, optical, photoluminescence and electrochemical behaviours of Mg, Mn dual-doped ZnS quantum dots. Journal of Materials Science: Materials in Electronics, 2019, 30, 11984-11993.	1.1	14
28	Thermal plasma processing of spherical ZnO nano powders. AIP Conference Proceedings, 2019, , .	0.3	1
29	Enhanced blue-light emission on Cd _{0.9-x} Zn _{0.1} Cr _x S(0 ≤ x ≤ 0.05) quantum dots. Ceramics International, 2019, 45, 3833-3838.	2.3	28
30	Influence of Co ²⁺ on electrical and optical behavior of Mn ²⁺ -doped ZnS quantum dots. Optics and Laser Technology, 2018, 103, 109-117.	2.2	37
31	Structural, photoluminescence and magnetic properties of Mn, Cr dual-doped ZnS quantum dots: Influence of Cr concentration. Journal of Physics and Chemistry of Solids, 2018, 120, 183-189.	1.9	37
32	Influence of Cd on optical and photoluminescence behavior of Zn _{0.98-x} Cd _x Mn _{0.02} S quantum dots under Ar atmosphere. Optik, 2018, 154, 74-82.	1.4	14
33	Investigation of Ni influence on structural and band gap tuning of Zn _{0.98} Mn _{0.02} S quantum dots by co-precipitation method. Journal of Materials Science: Materials in Electronics, 2017, 28, 8309-8315.	1.1	15
34	Crystallographic, Structural and Band Gap Tailoring of Zn _{0.98} Mn _{0.02} S Quantum Dots Co-Doped with Cu by Co-Precipitation Method. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 563-571.	1.9	19
35	Structural, band gap and photoluminescence behaviour of Mn-doped ZnS quantum dots annealed under Ar atmosphere. Journal of Materials Science: Materials in Electronics, 2015, 26, 1533-1542.	1.1	47