

Surjeet Chahal

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

624
citations

687363

13
h-index

642732

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all docs

23
docs citations

23
times ranked

457
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient and unique method for the growth of spindle shaped Mg-doped cerium oxide nanorods for photodegradation of p-Nitrophenol. <i>Ceramics International</i> , 2022, 48, 28961-28968.	4.8	13
2	Influence of Ce ³⁺ ion doping on structural and magnetic properties of Mn-Co ferrite nanoparticles. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	4
3	Synthesis of Ag nanoparticle supported graphene/multi-walled carbon nanotube based nano hybrids for photodegradation of toxic dyes. <i>Materials Express</i> , 2021, 11, 936-946.	0.5	6
4	Understanding the role of Ni ions on the photocatalytic activity and dielectric properties of hematite nanostructures: An experimental and DFT approach. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 156, 110118.	4.0	21
5	Phase transformation and structural evolution in iron oxide nanostructures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 272, 115329.	3.5	18
6	Phase transformation in Fe ₂ O ₃ nanoparticles: Electrical properties with local electronic structure. <i>Physica B: Condensed Matter</i> , 2021, 620, 413275.	2.7	10
7	Efficient Degradation of Methylene Blue Dye and Antibacterial Performance of Shape Controlled RuO ₂ Nanocomposites. <i>ChemistrySelect</i> , 2021, 6, 10038-10050.	1.5	6
8	Role of Oxygen Vacancies for Mediating Ferromagnetic Ordering in La-Doped MgO Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 1473-1480.	1.8	21
9	Electronic structure and photocatalytic activity of samarium doped cerium oxide nanoparticles for hazardous rose bengal dye degradation. <i>Vacuum</i> , 2020, 172, 109075.	3.5	72
10	MgO nanostructures at different annealing temperatures for d0 ferromagnetism. <i>Vacuum</i> , 2020, 179, 109539.	3.5	17
11	Annealing effect on photocatalytic and magnetic properties of Zn doped hematite nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	6
12	Zn ²⁺ substituted superparamagnetic MgFe ₂ O ₄ spinel-ferrites: Investigations on structural and spin-interactions. <i>Journal of Advanced Ceramics</i> , 2020, 9, 576-587.	17.4	79
13	Oxygen-deficient lanthanum doped cerium oxide nanoparticles for potential applications in spintronics and photocatalysis. <i>Vacuum</i> , 2020, 177, 109395.	3.5	58
14	Development of hierarchical magnesium oxide anchored cerium oxide nanocomposites with improved magnetic properties and photocatalytic performance. <i>Nanotechnology</i> , 2020, 31, 374004.	2.6	11
15	Erbium-doped oxygen deficient cerium oxide: bi-functional material in the field of spintronics and photocatalysis. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1721-1733.	3.1	33
16	Zn Doped $\hat{\pm}$ -Fe ₂ O ₃ : An Efficient Material for UV Driven Photocatalysis and Electrical Conductivity. <i>Crystals</i> , 2020, 10, 273.	2.2	86
17	UV-irradiated photocatalytic performance of yttrium doped ceria for hazardous Rose Bengal dye. <i>Applied Surface Science</i> , 2019, 493, 87-93.	6.1	62
18	Photocatalytic application of lithium doped cerium oxide nanoparticles upon UV light irradiation. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	5

#	ARTICLE	IF	CITATIONS
19	A comparative study on magnesium hydroxide and magnesium oxide nanostructures. AIP Conference Proceedings, 2019, , .	0.4	3
20	X-ray Analysis of MgO Nanoparticles by Modified Scherer's Williamson-Hall and Size-Strain Method. Materials Today: Proceedings, 2019, 12, 543-548.	1.8	44
21	Investigations on magnetic and electrical properties of Zn doped Fe ₂ O ₃ nanoparticles and their correlation with local electronic structures. Journal of Magnetism and Magnetic Materials, 2019, 489, 165398.	2.3	36
22	Annealing effect on the structural and dielectric properties of hematite nanoparticles. AIP Conference Proceedings, 2018, , .	0.4	11
23	Effect of Mg ²⁺ substitution on structural and magnetic properties of nano zinc ferrite. AIP Conference Proceedings, 2018, , .	0.4	2