

Surjeet Chahal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/407405/publications.pdf>

Version: 2024-02-01

23
papers

624
citations

687363

13
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

457
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Zn Doped $\hat{\Gamma}$ -Fe ₂ O ₃ : An Efficient Material for UV Driven Photocatalysis and Electrical Conductivity. Crystals, 2020, 10, 273. | 2.2 | 86 |
| 2 | Zn ²⁺ substituted superparamagnetic MgFe ₂ O ₄ spinel-ferrites: Investigations on structural and spin-interactions. Journal of Advanced Ceramics, 2020, 9, 576-587. | 17.4 | 79 |
| 3 | Electronic structure and photocatalytic activity of samarium doped cerium oxide nanoparticles for hazardous rose bengal dye degradation. Vacuum, 2020, 172, 109075. | 3.5 | 72 |
| 4 | UV-irradiated photocatalytic performance of yttrium doped ceria for hazardous Rose Bengal dye. Applied Surface Science, 2019, 493, 87-93. | 6.1 | 62 |
| 5 | Oxygen-deficient lanthanum doped cerium oxide nanoparticles for potential applications in spintronics and photocatalysis. Vacuum, 2020, 177, 109395. | 3.5 | 58 |
| 6 | X-ray Analysis of MgO Nanoparticles by Modified Scherrer's Williamson-Hall and Size-Strain Method. Materials Today: Proceedings, 2019, 12, 543-548. | 1.8 | 44 |
| 7 | 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 |
| 8 | Erbium-doped oxygen deficient cerium oxide: bi-functional material in the field of spintronics and photocatalysis. Applied Nanoscience (Switzerland), 2020, 10, 1721-1733. | 3.1 | 33 |
| 9 | Role of Oxygen Vacancies for Mediating Ferromagnetic Ordering in La-Doped MgO Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1473-1480. | 1.8 | 21 |
| 10 | Understanding the role of Ni ions on the photocatalytic activity and dielectric properties of hematite nanostructures: An experimental and DFT approach. Journal of Physics and Chemistry of Solids, 2021, 156, 110118. | 4.0 | 21 |
| 11 | Phase transformation and structural evolution in iron oxide nanostructures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 272, 115329. | 3.5 | 18 |
| 12 | MgO nanostructures at different annealing temperatures for d0 ferromagnetism. Vacuum, 2020, 179, 109539. | 3.5 | 17 |
| 13 | An efficient and unique method for the growth of spindle shaped Mg-doped cerium oxide nanorods for photodegradation of p-Nitrophenol. Ceramics International, 2022, 48, 28961-28968. | 4.8 | 13 |
| 14 | Annealing effect on the structural and dielectric properties of hematite nanoparticles. AIP Conference Proceedings, 2018, , . | 0.4 | 11 |
| 15 | Development of hierarchical magnesium oxide anchored cerium oxide nanocomposites with improved magnetic properties and photocatalytic performance. Nanotechnology, 2020, 31, 374004. | 2.6 | 11 |
| 16 | Phase transformation in Fe ₂ O ₃ nanoparticles: Electrical properties with local electronic structure. Physica B: Condensed Matter, 2021, 620, 413275. | 2.7 | 10 |
| 17 | Annealing effect on photocatalytic and magnetic properties of Zn doped hematite nanoparticles. AIP Conference Proceedings, 2020, , . | 0.4 | 6 |
| 18 | Synthesis of Ag nanoparticle supported graphene/multi-walled carbon nanotube based nanohybrids for photodegradation of toxic dyes. Materials Express, 2021, 11, 936-946. | 0.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Efficient Degradation of Methylene Blue Dye and Antibacterial Performance of Shape Controlled RuO ₂ Nanocomposites. ChemistrySelect, 2021, 6, 10038-10050. | 1.5 | 6 |
| 20 | Photocatalytic application of lithium doped cerium oxide nanoparticles upon UV light irradiation. AIP Conference Proceedings, 2019, , . | 0.4 | 5 |
| 21 | Influence of Ce ³⁺ ion doping on structural and magnetic properties of Mn-Co ferrite nanoparticles. AIP Conference Proceedings, 2021, , . | 0.4 | 4 |
| 22 | A comparative study on magnesium hydroxide and magnesium oxide nanostructures. AIP Conference Proceedings, 2019, , . | 0.4 | 3 |
| 23 | Effect of Mg ²⁺ substitution on structural and magnetic properties of nano zinc ferrite. AIP Conference Proceedings, 2018, , . | 0.4 | 2 |