

# M Vinuth

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

563  
citations

1163065

8  
h-index

996954

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

580  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Green synthesis of zinc ferrite nanoparticles in Limonia acidissima juice: Characterization and their application as photocatalytic and antibacterial activities. <i>Microchemical Journal</i> , 2019, 146, 1227-1235.   | 4.5 | 135       |
| 2  | Green synthesis of zinc doped cobalt ferrite nanoparticles: Structural, optical, photocatalytic and antibacterial studies. <i>Nano Structures Nano Objects</i> , 2019, 19, 100322.   | 3.5 | 98        |
| 3  | Effect of aluminium doping on structural, optical, photocatalytic and antibacterial activity on nickel ferrite nanoparticles by sol-gel auto-combustion method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20395-20414.   | 2.2 | 89        |
| 4  | Microwave-Assisted ZrO <sub>2</sub> Nanoparticles and Its Photocatalytic and Antibacterial Studies. <i>Journal of Cluster Science</i> , 2019, 30, 311-318.   | 3.3 | 64        |
| 5  | Multifunctional properties of microwave-assisted bioengineered nickel doped cobalt ferrite nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 91, 578-595.  | 2.4 | 49        |
| 6  | Green synthesis of Lawsonia inermis-mediated zinc ferrite nanoparticles for magnetic studies and anticancer activity against breast cancer (MCF-7) cell lines. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8589-8596.  | 2.2 | 49        |
| 7  | Influence of Sn and Mn on structural, optical and magnetic properties of spray pyrolysed CdS thin films. <i>Materials Research Innovations</i> , 2020, 24, 82-86.  | 2.3 | 37        |
| 8  | Environmental Remediation of Hexavalent Chromium in Aqueous Medium Using Fe(II)-Montmorillonite as Reductant. <i>Procedia Earth and Planetary Science</i> , 2015, 11, 275-283.   | 0.6 | 8         |
| 9  | Photocatalytic degradation of dyes by cobalt ferrite nanoparticles synthesized by sol-gel method. <i>AIP Conference Proceedings</i> , 2020, , .  | 0.4 | 8         |
| 10 | Development and visualization of level II, III features of latent fingerprints using some new 4-(4-substitutedphenyl)-6-(4-substitutedphenyl)-2-oxo-1,2-dihydropyridine-3-carbonitrile derivatives: Synthesis, characterization, optoelectronic and DFT studies. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100388. | 2.8 | 7         |
| 11 | Environmentally benign Fe(III)-montmorillonite for rapid adsorption of methylene blue dye in aqueous medium under ambient conditions. <i>Fashion and Textiles</i> , 2017, 4, .   | 2.4 | 6         |
| 12 | Enhanced removal of methylene blue dye in aqueous solution using eco-friendly Fe(III)-montmorillonite. <i>Materials Today: Proceedings</i> , 2017, 4, 424-433.   | 1.8 | 6         |
| 13 | Investigation on the structural and optical properties of hexamethylene tetramine (HMTA) capped ZnS:Mn nanocrystals synthesized by microwave irradiation method. <i>Materials Today: Proceedings</i> , 2017, 4, 3932-3941.   | 1.8 | 5         |
| 14 | Optical Characterization of EDTA-assisted CdS:Mn Nanoparticles Synthesized by Sonochemical Method. <i>Materials Today: Proceedings</i> , 2017, 4, 8336-8344.   | 1.8 | 1         |
| 15 | Rapid Adsorption Of Malachite Green Dye Using Eco-friendly Fe (III) - Montmorillonite: Effective Clay Mineral For Dye Effluents Containing Wastewater. <i>Advanced Materials Letters</i> , 2017, 8, 49-57.   | 0.6 | 1         |