

Mehedi Hasan Rizvi

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

465
citations

840776

11
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

507
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Saturation magnetization and band gap tuning in BiFeO ₃ nanoparticles via co-substitution of Gd and Mn. <i>Journal of Alloys and Compounds</i> , 2016, 687, 701-706. | 5.5 | 72 |
| 2 | A soft chemical route to the synthesis of BiFeO ₃ nanoparticles with enhanced magnetization. <i>Materials Research Bulletin</i> , 2016, 73, 179-186. | 5.2 | 72 |
| 3 | Size dependent magnetic and electrical properties of Ba-doped nanocrystalline BiFeO ₃ . <i>AIP Advances</i> , 2016, 6, . | 1.3 | 49 |
| 4 | Dy doped BiFeO ₃ : A bulk ceramic with improved multiferroic properties compared to nano counterparts. <i>Ceramics International</i> , 2017, 43, 9191-9199. | 4.8 | 48 |
| 5 | Bandgap Tuning of Sm and Co Co-doped BFO Nanoparticles for Photovoltaic Application. <i>Journal of Electronic Materials</i> , 2018, 47, 6954-6958. | 2.2 | 37 |
| 6 | Correlation of charge defects and morphology with magnetic and electrical properties of Sr and Ta codoped BiFeO ₃ . <i>Journal of Alloys and Compounds</i> , 2016, 688, 1186-1194. | 5.5 | 35 |
| 7 | Structural, Dielectric, and Magnetic Properties of Ba-Doped Multiferroic Bismuth Ferrite. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 958-964. | 2.9 | 22 |
| 8 | Programmable Anisotropy and Percolation in Supramolecular Patchy Particle Gels. <i>ACS Nano</i> , 2020, 14, 17018-17027. | 14.6 | 21 |
| 9 | Magnetic Alignment for Plasmonic Control of Gold Nanorods Coated with Iron Oxide Nanoparticles. <i>Advanced Materials</i> , 2022, 34, . | 21.0 | 20 |
| 10 | Enhancement of initial permeability and reduction of loss factor in Zn substituted nanocrystalline Li _{0.35} ~ ^{0.5} x Ni _{0.3} Zn _x Fe _{2.35} ~ ^{0.5} x O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 424, 108-114. | 2.3 | 19 |
| 11 | Effect of Preparation Routes on the Crystal Purity and Properties of BiFeO ₃ Nanoparticles. <i>Transactions on Electrical and Electronic Materials</i> , 2019, 20, 485-493. | 1.9 | 16 |
| 12 | Plasmon-Coupled Gold Nanoparticles in Stretched Shape-Memory Polymers for Mechanical/Thermal Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 3911-3921. | 5.0 | 13 |
| 13 | Sulfidation and selenidation of nickel nanoparticles. , 2020, 3, 582. | | 10 |
| 14 | Controlled Organization of Inorganic Materials Using Biological Molecules for Activating Therapeutic Functionalities. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39030-39041. | 8.0 | 10 |
| 15 | Development of Ceramic Candle Filters by Slip Casting Process. <i>Key Engineering Materials</i> , 0, 608, 85-90. | 0.4 | 7 |
| 16 | Enhancing magnetoelectric and optical properties of co-doped bismuth ferrite multiferroic nanostructures. , 2017, , . | | 6 |
| 17 | Fabrication of Bismuth Vanadate (BiVO ₄) Nanoparticles by a Facile Route. <i>Transactions on Electrical and Electronic Materials</i> , 2019, 20, 522-529. | 1.9 | 6 |
| 18 | Flexible Cyclic Poly(phthalaldehyde)/Poly(ε-caprolactone) Blend Fibers with Fast Daylight-Triggered Transience. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000657. | 3.9 | 2 |