Soumyaditya Sutradhar

List of Publications by Year
in descending order

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28	736	471371	526166
papers	citations	17	27
		h-index	g-index

29	29	29	604
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modulation of structural, morphological and electrical charge transport property of Cr-doped ZnO nanomaterials prepared by chemical process. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 280, 115688.	1.7	5
2	Fabrication of heterostructure composites of Ni-Zn-Cu-Ferrite-C3N4-Poly(vinylidene fluoride) films for the enhancement of electromagnetic interference shielding effectiveness. Chemical Engineering Journal, 2021, 420, 127683.	6.6	18
3	Synthesis of Carbon Allotropes in Nanoscale Regime. Advances in Sustainability Science and Technology, 2021, , 9-46.	0.4	2
4	Modulation of magnetic and dielectric response of mullite coated Cu-substituted Co-Zn-ferrite multiphase nanocomposites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 266, 115079.	1.7	5
5	Dielectric study and magnetic property analysis of Gd2O3 nanorods/nanowire in combination with Monte Carlo simulation. Journal of Alloys and Compounds, 2021, 882, 160720.	2.8	19
6	Electromagnetic Shielding Effectiveness of X-Type Hexaferrite-C3N4 Binary Nanofiller-Incorporated Poly(vinylidene fluoride) Multiphase Composites. Journal of Physical Chemistry C, 2020, 124, 19396-19405.	1.5	11
7	Enhancement of EMI shielding effectiveness of flexible Co2U-type hexaferrite (Ba4Co2Fe36O60)-poly(vinylidene fluoride) heterostructure composite materials: An improved radar absorbing material to combat against electromagnetic pollution. Journal of Applied Physics, 2020, 128, .	1.1	12
8	Effect of hydrothermal synthesis on physical property modulation and biological activity of ZnO nanorods. Materials Research Express, 2019, 6, 1250f7.	0.8	9
9	Shielding Effectiveness Study of Barium Hexaferrite-Incorporated, Î²-Phase-Improved Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Over Applied Materials & Interfaces, 2019, 11, 23701-23713.	4.0	49
10	Influence of different Cr concentrations on the structural and ferromagnetic properties of ZnO nanomaterials prepared by the hydrothermal synthesis route. Materials Research Bulletin, 2019, 118, 110480.	2.7	11
11	Î²-Phase improved Mn-Zn-Cu-ferrite-PVDF nanocomposite film: A metamaterial for enhanced microwave absorption. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 245, 17-29.	1.7	34
12	Reduction of electromagnetic pollution by the enhancement of microwave absorption of strontium hexaferrite functionalized poly(vinylidene fluoride) composite film. Materials Research Express, 2019, 6, 086424.	0.8	11
13	Enhancement of room-temperature ferromagnetism and dielectric response in nanocrystalline ZnO co-doped with Co and Cu. Journal of Alloys and Compounds, 2018, 749, 1-9.	2.8	21
14	Defect induced room-temperature ferromagnetism and enhanced dielectric property in nanocrystalline ZnO co-doped with Tb and Co. Journal of Alloys and Compounds, 2018, 731, 591-599.	2.8	30
15	Hydrothermal process assists undoped and Cr-doped semiconducting ZnO nanorods: Frontier of dielectric property. Journal of Applied Physics, 2018, 123, .	1.1	34
16	Influence of Ni-Zn-Cu-ferrite on electroactive Î²-phase in poly(vinylidene fluoride)-Ni-Zn-Cu-ferrite nanocomposite film: Unique metamaterial for enhanced microwave absorption. Journal of Applied Physics, 2018, 124, .	1.1	23
17	Effect of Gd doping concentration and sintering temperature on structural, optical, dielectric and magnetic properties of hydrothermally synthesized ZnO nanostructure. Journal of Alloys and Compounds, 2017, 708, 231-246.	2.8	65
18	Effect of Gd 3+ and Al 3+ on optical and dielectric properties of ZnO nanoparticle prepared by two-step hydrothermal method. Ceramics International, 2017, 43, 6932-6941.	2.3	51

#	Article	IF	Citations
19	Enhanced dielectric behavior and ac electrical response in Gd-Mn-ZnO nanoparticles. Journal of Alloys and Compounds, 2017, 726, 11-21.	2.8	27
20	Optical, magnetic and dielectric properties of ZnO:Y nanoparticles synthesized by hydrothermal method. Journal of Alloys and Compounds, 2017, 696, 670-681.	2.8	34
21	Tailoring of room temperature ferromagnetism and electrical properties in ZnO by Co (3d) and Gd (4f) element co-doping. Journal of Alloys and Compounds, 2017, 691, 739-749.	2.8	49
22	Magnetic property, MÃ¶ssbauer spectroscopy and microwave reflection loss of maghemite nanoparticles (Î³-Fe2O3) encapsulated in carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 196, 44-52.	1.7	19
23	Synthesis, characterization and magnetic property of maghemite (Î³-Feâ„Oâ„ƒ) nanoparticles and their protective coating with pepsin for bio-functionalization. Materials Research Bulletin, 2015, 70, 145-154.	2.7	14
24	Modulated magnetic property, enhanced microwave absorption and MÃ¶ssbauer spectroscopy of Ni0.40Zn0.40Cu0.20Fe2O4 nanoparticles embedded in carbon nanotubes. Journal of Alloys and Compounds, 2013, 576, 126-133.	2.8	39
25	Magnetic and enhanced microwave absorption properties of nanoparticles of Li0.32Zn0.26Cu0.1Fe2.32O4 encapsulated in carbon nanotubes. Materials Letters, 2013, 95, 145-148.	1.3	44
26	Vacancy mediated room temperature ferromagnetism in Co-doped Dy2O3. Applied Physics Letters, 2012, 100, .	1.5	34
27	Solâ€“gel derived nanocrystalline multiferroic BiFeO3 and R3+ (R=Er and Tm) doped therein: Magnetic phase transitions and enhancement of magnetic properties. Journal of Magnetism and Magnetic Materials, 2012, 324, 4209-4218.	1.0	27
28	Solâ€“gel derived nanoparticles of Zn substituted lithium ferrite (Li0.32Zn0.36Fe2.32O4): magnetic and MÃ¶ssbauer effect measurements and their theoretical analysis. Journal of Magnetism and Magnetic Materials, 2012, 324, 1317-1325.	1.0	39