

Dr Deepannita Chakraborty

List of Publications by Year in descending order

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papers

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docs citations

34
times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	Indium oxide: A transparent, conducting ferromagnetic semiconductor for spintronic applications. Journal of Magnetism and Magnetic Materials, 2016, 416, 66-74.	2.3	47
2	Structural, optical and magnetic properties of Sn doped ZnS nano powders prepared by solid state reaction. Physica B: Condensed Matter, 2017, 522, 75-80.	2.7	38
3	Structural, optical, and magnetic properties of Fe doped In ₂ O ₃ powders. Materials Research Bulletin, 2015, 61, 486-491.	5.2	35
4	Electrical and optical properties of In ₂ O ₃ :Mo thin films prepared at various Mo-doping levels. Journal of Alloys and Compounds, 2010, 504, 351-356.	5.5	33
5	Structural and Magnetic Properties of Ni Doped $S_{1-x}O_x$ Advances in Condensed Matter Physics, 2014, 2014, 1-5.	1.1	33
6	Room temperature ferromagnetism in Cd _{1-x} CrxTe diluted magnetic semiconductor crystals. Materials Science in Semiconductor Processing, 2014, 18, 146-151.	4.0	31
7	Room-temperature ferromagnetic and photoluminescence properties of indium-tin-oxide nanoparticles synthesized by solid-state reaction. Bulletin of Materials Science, 2017, 40, 17-23.	1.7	18
8	Structural, optical and magnetic properties of (In _{1-x} Nix) ₂ O ₃ (0 ≤ x ≤ 0.09) powders synthesized by solid state reaction. Materials Science in Semiconductor Processing, 2014, 18, 22-27.	4.0	15
9	Magnetic and superconductivity studies on (In _{1-x} Fe _x) ₂ O ₃ thin films. Journal of Alloys and Compounds, 2015, 637, 436-442.	5.5	14
10	Synthesis and magnetic properties of (Fe, Sn) co-doped In ₂ O ₃ nanoparticles. Journal of Materials Science: Materials in Electronics, 2017, 28, 18977-18985.	2.2	13
11	Magnetodielectric coupling in multiferroic holmium iron garnets. Journal of Magnetism and Magnetic Materials, 2017, 423, 39-45.	2.3	13
12	Physical Properties of Sn _{1-x} Fe _x O ₂ Powders Using Solid State Reaction. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1315-1321.	1.8	12
13	Studies on Ferromagnetic and Photoluminescence Properties of ITO and Cu-Doped ITO Nanoparticles Synthesized by Solid State Reaction. Journal of Electronic Materials, 2016, 45, 5703-5708.	2.2	11
14	Room temperature ferromagnetism in (In _{1-x} Nix) ₂ O ₃ thin films. Physica B: Condensed Matter, 2015, 466-467, 6-10.	2.7	10
15	Effect of doping concentration, temperature and magnetic field on magnetic properties of Mn doped ITO nanoparticles and thin films. Journal of Magnetism and Magnetic Materials, 2019, 486, 165268.	2.3	9
16	Evidence of Room Temperature Ferromagnetism in Zn _{1-x} Sn _x S Thin Films. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1725-1734.	1.8	9
17	Room Temperature Ferromagnetism in Cu-Doped In ₂ O ₃ Thin Films. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2089-2095.	1.8	8
18	Structural, optical and room temperature ferromagnetic properties of Sn _{1-x} FexO ₂ thin films using flash evaporation technique. Journal of Materials Science: Materials in Electronics, 2017, 28, 2976-2983.	2.2	8

#	ARTICLE	IF	CITATIONS
19	No Signature of Room Temperature Ferromagnetism in Fe-Doped ITO Thin Films. Journal of Superconductivity and Novel Magnetism, 2019, 32, 729-737.	1.8	7
20	Microstructure, ferromagnetic and photoluminescence properties of ITO and Cr doped ITO nanoparticles using solid state reaction. Physica B: Condensed Matter, 2016, 500, 126-132.	2.7	6
21	Microstructure and Magnetic Properties of $\text{Sn}_{1-x}\text{Ni}_x\text{O}_2$ Thin Films Prepared by Flash Evaporation Technique. Journal of Superconductivity and Novel Magnetism, 2017, 30, 981-987.	1.8	6
22	Oxygen vacancy induced room temperature ferromagnetism in $(\text{In}_{1-x}\text{Ni}_x)\text{O}_3$ thin films. Indian Journal of Physics, 2018, 92, 619-628.	1.8	4
23	Structural, optical and magnetic properties of vacuum annealed Fe, Mn doped NiO nanoparticles. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	4
24	Effect of vacuum annealing on structural, optical and magnetic properties of Sn doped ZnS thin films. Optical Materials, 2021, 114, 110961.	3.6	4
25	Structural and Magnetic properties of Cr-diffused CdTe nanocrystalline thin films deposited by electron beam evaporation. Applied Physics A: Materials Science and Processing, 2014, 117, 793-798.	2.3	3
26	Evidence of Room Temperature Ferromagnetism Due to Oxygen Vacancies in $(\text{In}_{1-x}\text{Fe}_x)\text{O}_3$ Thin Films. Journal of Electronic Materials, 2018, 47, 2155-2164.	2.2	3
27	Synthesis and characterization of Fe doped ITO nanoparticles. AIP Conference Proceedings, 2020, , .	0.4	3
28	Structural and optical properties of ITO and Cu doped ITO thin films. AIP Conference Proceedings, 2018, , .	0.4	2
29	Synthesis and characterizations of $(\text{In}_{0.90}\text{Sn}_{0.05}\text{Ni}_{0.05})\text{O}_3$ nanoparticles using solid state reaction method. AIP Conference Proceedings, 2016, , .	0.4	1
30	Optimized surface topography of thermoplastics blends modified by graphene. AIP Conference Proceedings, 2016, , .	0.4	1
31	PVA/ $\text{K}_2\text{Ti}_6\text{O}_{13}$ synthetic composite for dielectric applications. AIP Conference Proceedings, 2016, , .	0.4	1
32	Effect of Er^{3+} substitution on structural and magnetic properties of narrow size distributed $\text{ZnFe}_{2-x}\text{Er}_x\text{O}_4$ nanoparticles. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	1
33	Influence of Surface Spin Alignment and F-Centers on the Magnetic Behavior of ITO Thin Films. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2043-2050.	1.8	1
34	Room temperature ferromagnetism in Co defused CdTe nanocrystalline thin films. , 2014, , .		0