Baidyanath Sahu

List of Publications by Year
in descending order

24 papers	263 citations	1040056 9 h-index	940533 16 g-index
24 all docs	24 docs citations	24 times ranked	327 citing authors

#	Article	IF	Citations
1	Exchange spring like magnetic behavior in cobalt ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 401, 1-8.	2.3	41
2	Structural and magnetic properties of Zn X Co 1â^'X Fe 2 O 4 nanoparticles: Nonsaturation of magnetization. Journal of Magnetism and Magnetic Materials, 2017, 424, 174-184.	2.3	32
3	Structural transformation and magnetic properties of copper ferrite nanoparticles prepared by solâ€"gel method. Journal of Materials Science: Materials in Electronics, 2018, 29, 20790-20799.	2.2	29
4	Effect of substrate temperature on magnetic properties of MnFe2O4thin films. AIP Advances, 2018, 8, 056112.	1.3	23
5	Temperature and field dependent magnetization studies on nano-crystalline ZnFe2O4 thin films. AIP Advances, 2018, 8, .	1.3	23
6	A Study of FMR Linewidth and Magnetic Order in Nanocrystalline ZnFe₂O₄ Thin Films. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	14
7	Magnetic phase transitions and magnetocaloric effect in ternary rhombohedral Laves phases of Gd2Rh3Ge and Er2Rh3Ge. Journal of Magnetism and Magnetic Materials, 2020, 514, 166988.	2.3	14
8	Tailoring magnetic properties of cobalt ferrite nanoparticles by different divalent cation substitution. Journal of Materials Science: Materials in Electronics, 2018, 29, 813-822.	2.2	13
9	Temperature dependence of FMR and magnetization in nanocrystalline zinc ferrite thin films. AIP Advances, 2016, 6, 055928.	1.3	12
10	Effect of thickness on magnetic and microwave properties of RF-sputtered Zn-ferrite thin films. AIP Advances, 2017, 7, .	1.3	10
11	Phase evolution and temperature dependent magnetic properties of nanocrystalline barium hexaferrite. Journal of Materials Science: Materials in Electronics, 2019, 30, 13647-13654.	2.2	10
12	Magnetostriction studies in nano-crystalline zinc ferrite thin films by strain modulated ferromagnetic resonance. Journal of Magnetism and Magnetic Materials, 2018, 460, 203-206.	2.3	7
13	Magnetic properties of pulsed laser deposited Co1â^'xZnxFe2O4 (0.10 â‰¤ x â‰¤ 0.70) thin films. Journal of Magnetism and Magnetic Materials, 2018, 448, 192-198.	2.3	6
14	Observation of extraordinarily large magnetization in CoFe2O4/ZnFe2O4 bilayers. Journal of Magnetism and Magnetic Materials, 2021, 523, 167629.	2.3	6
15	Large magnetocaloric effect in RE8Pd24Ga (REÂ= Gd, Tb and Dy) series of compounds. Journal of Alloys and Compounds, 2020, 814, 152228.	2.3	6
16	Large magnetocaloric effect in RE8Pd24Ga (REÂ= Gd, Tb and Dy) series of compounds. Journal of Alloys and Compounds, 2020, 814, 152228.	5.5	4
17	Anomalously large magnetic moment in nanocrystalline Co_{0.3}Zn_{0.7}Fe₂O₄thin films. Journal of Physics Communications, 2017, 1, 035010.	1.2	3
18	Evaluation of Exchange Stiffness From Temperature-Dependent Magnetization in ZnFe₂O₄ Thin Films. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	2

#	Article	IF	Citations
19	Large Room Temperature Magnetic Moment in Mn${_{1-x}}$ Zn${x}$ Fe₂O₄ Thin Films for ${x geq0.4 }$. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	2
20	Double magnetic phase transitions and magnetotransport anomalies in a new compound Gd2AgSi3. Intermetallics, 2021, 135, 107214.	3.9	2
21	Field-Independent Features in the Magnetization and Specific Heat of Sm3Co4Ge13. Crystals, 2019, 9, 322.	2.2	1
22	Critical behavior in Nd2Pt2In studied using the magnetocaloric effect: Comparison with the conventional method. Materials Research Bulletin, 2020, 122, 110604.	5.2	1
23	Enhancement of magnetization in substituted Zn ferrite thin films. Journal of Magnetism and Magnetic Materials, 2020, 499, 166200.	2.3	1
24	Large magnetocaloric effect in Ho2Pd2Pb. Materials Today Communications, 2022, 31, 103327.	1.9	1