

# Baidyanath Sahu

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

263  
citations

1040056  
9  
h-index

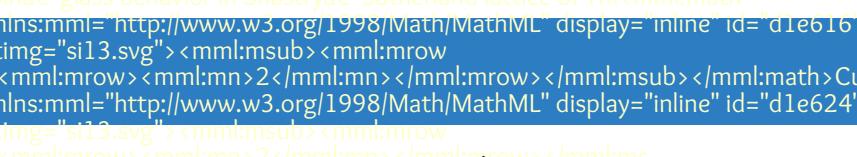
940533  
16  
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327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchange spring like magnetic behavior in cobalt ferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 1-8.	2.3	41
2	Structural and magnetic properties of $Zn_xCo_{1-x}Fe_2O_4$ nanoparticles: Nonsaturation of magnetization. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 424, 174-184.	2.3	32
3	Structural transformation and magnetic properties of copper ferrite nanoparticles prepared by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20790-20799.	2.2	29
4	Effect of substrate temperature on magnetic properties of $MnFe_2O_4$ thin films. <i>AIP Advances</i> , 2018, 8, 056112.	1.3	23
5	Temperature and field dependent magnetization studies on nano-crystalline $ZnFe_2O_4$ thin films. <i>AIP Advances</i> , 2018, 8, .	1.3	23
6	A Study of FMR Linewidth and Magnetic Order in Nanocrystalline $ZnFe^{2+}_{\text{sub}}O^{2+}_{\text{sub}}4^{2+}_{\text{sub}}$ Thin Films. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	14
7	Magnetic phase transitions and magnetocaloric effect in ternary rhombohedral Laves phases of $Gd_2Rh_3Ge$ and $Er_2Rh_3Ge$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 514, 166988.	2.3	14
8	Tailoring magnetic properties of cobalt ferrite nanoparticles by different divalent cation substitution. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 813-822.	2.2	13
9	Temperature dependence of FMR and magnetization in nanocrystalline zinc ferrite thin films. <i>AIP Advances</i> , 2016, 6, 055928.	1.3	12
10	Effect of thickness on magnetic and microwave properties of RF-sputtered Zn-ferrite thin films. <i>AIP Advances</i> , 2017, 7, .	1.3	10
11	Phase evolution and temperature dependent magnetic properties of nanocrystalline barium hexaferrite. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13647-13654.	2.2	10
12	Magnetostriction studies in nano-crystalline zinc ferrite thin films by strain modulated ferromagnetic resonance. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 203-206.	2.3	7
13	Magnetic properties of pulsed laser deposited $Co_{1-x}Zn_xFe_2O_4$ ( $0.10 \leq x \leq 0.70$ ) thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 448, 192-198.	2.3	6
14	Observation of extraordinarily large magnetization in $CoFe_2O_4/ZnFe_2O_4$ bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 523, 167629.	2.3	6
15	Spiral glass behavior in Shastry-Sutherland lattice of $Tm_{\text{sub}}^{3+}$ 	2.3	6
16	Large magnetocaloric effect in $RE_8Pd_{24}Ga$ ( $RE = Gd, Tb$ and $Dy$ ) series of compounds. <i>Journal of Alloys and Compounds</i> , 2020, 814, 152228.	5.5	4
17	Anomalously large magnetic moment in nanocrystalline $Co_{0.3}Zn_{0.7}Fe_2O_4$ thin films. <i>Journal of Physics Communications</i> , 2017, 1, 035010.	1.2	3
18	Evaluation of Exchange Stiffness From Temperature-Dependent Magnetization in $ZnFe_2O_4$ Thin Films. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	2

#	ARTICLE	IF	CITATIONS
19	Large Room Temperature Magnetic Moment in Mn <sub>{1-x}</sub> Zn <sub>{x}</sub> Fe <sub>2</sub> O <sub>4</sub> Thin Films for $x \geq 0.4$ . IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	2
20	Double magnetic phase transitions and magnetotransport anomalies in a new compound Gd <sub>2</sub> AgSi <sub>3</sub> . Intermetallics, 2021, 135, 107214.	3.9	2
21	Field-Independent Features in the Magnetization and Specific Heat of Sm <sub>3</sub> Co <sub>4</sub> Ge <sub>13</sub> . Crystals, 2019, 9, 322.	2.2	1
22	Critical behavior in Nd <sub>2</sub> Pt <sub>2</sub> In 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 Ho <sub>2</sub> Pd <sub>2</sub> Pb. Materials Today Communications, 2022, 31, 103327.	1.9	1