

# Baidyanath Sahu

## List of Publications by Year in descending order

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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	glass behavior in Shastry's Sutherland lattice of $Tm_{1-x}Cu_x$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 523, 167629.	2.3	6
2	Large magnetocaloric effect in Ho <sub>2</sub> Pd <sub>2</sub> Pb. <i>Materials Today Communications</i> , 2022, 31, 103327.	1.9	1
3	Observation of extraordinarily large magnetization in CoFe <sub>2</sub> O <sub>4</sub> /ZnFe <sub>2</sub> O <sub>4</sub> bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 523, 167629.	2.3	6
4	Double magnetic phase transitions and magnetotransport anomalies in a new compound Gd <sub>2</sub> AgSi <sub>3</sub> . <i>Intermetallics</i> , 2021, 135, 107214.	3.9	2
5	Large magnetocaloric effect in RE <sub>8</sub> Pd <sub>24</sub> Ga (RE = Gd, Tb and Dy) series of compounds. <i>Journal of Alloys and Compounds</i> , 2020, 814, 152228.	5.5	4
6	Critical behavior in Nd <sub>2</sub> Pt <sub>2</sub> In studied using the magnetocaloric effect: Comparison with the conventional method. <i>Materials Research Bulletin</i> , 2020, 122, 110604.	5.2	1
7	Enhancement of magnetization in substituted Zn ferrite thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 499, 166200.	2.3	1
8	Magnetic phase transitions and magnetocaloric effect in ternary rhombohedral Laves phases of Gd <sub>2</sub> Rh <sub>3</sub> Ge and Er <sub>2</sub> Rh <sub>3</sub> Ge. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 514, 166988.	2.3	14
9	Field-Independent Features in the Magnetization and Specific Heat of Sm <sub>3</sub> Co <sub>4</sub> Ge <sub>13</sub> . <i>Crystals</i> , 2019, 9, 322.	2.2	1
10	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
11	Effect of substrate temperature on magnetic properties of MnFe <sub>2</sub> O <sub>4</sub> thin films. <i>AIP Advances</i> , 2018, 8, 056112.	1.3	23
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	Temperature and field dependent magnetization studies on nano-crystalline ZnFe <sub>2</sub> O <sub>4</sub> thin films. <i>AIP Advances</i> , 2018, 8, .	1.3	23
14	Magnetic properties of pulsed laser deposited Co <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> (0.10 ≤ x ≤ 0.70) thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 448, 192-198.	2.3	6
15	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
16	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
17	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 ≥ 0.4. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5.	2.1	2
18	Effect of thickness on magnetic and microwave properties of RF-sputtered Zn-ferrite thin films. <i>AIP Advances</i> , 2017, 7, .	1.3	10

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19	Anomalous large magnetic moment in nanocrystalline $\text{Co}_{0.3}\text{Zn}_{0.7}\text{Fe}_2\text{O}_4$ thin films. Journal of Physics Communications, 2017, 1, 035010.	1.2	3
20	Structural and magnetic properties of $\text{Zn}_x\text{Co}_{1-x}\text{Fe}_2\text{O}_4$ nanoparticles: Nonsaturation of magnetization. Journal of Magnetism and Magnetic Materials, 2017, 424, 174-184.	2.3	32
21	Evaluation of Exchange Stiffness From Temperature-Dependent Magnetization in $\text{ZnFe}_2\text{O}_4$ Thin Films. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	2
22	Temperature dependence of FMR and magnetization in nanocrystalline zinc ferrite thin films. AIP Advances, 2016, 6, 055928.	1.3	12
23	Exchange spring like magnetic behavior in cobalt ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 401, 1-8.	2.3	41
24	A Study of FMR Linewidth and Magnetic Order in Nanocrystalline $\text{ZnFe}_2\text{O}_4$ Thin Films. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	14