

Santosh S Jadhav

List of Publications by Year in descending order

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44
papers

2,009
citations

236833

25
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289141

40
g-index

44
all docs

44
docs citations

44
times ranked

1456
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Zn substitution on magnetic properties of nanocrystalline cobalt ferrite. Journal of Applied Physics, 2010, 108, .	1.1	158
2	Rietveld structure refinement, cation distribution and magnetic properties of Al ³⁺ substituted NiFe ₂ O ₄ nanoparticles. Journal of Applied Physics, 2011, 109, .	1.1	141
3	Electrical and magnetic properties of Cr ³⁺ substituted nanocrystalline nickel ferrite. Journal of Applied Physics, 2009, 106, .	1.1	130
4	Autocombustion High-Temperature Synthesis, Structural, and Magnetic Properties of CoCr ₂ Fe ₂ O ₄ (0 ≤ x ≤ 1.0). Journal of Physical Chemistry C, 2011, 115, 20905-20912.	1.5	119
5	Influence of Bi ³⁺ -doping on the magnetic and Mössbauer properties of spinel cobalt ferrite. Dalton Transactions, 2015, 44, 6384-6390.	1.6	108
6	Electrical and switching properties of NiAl _x Fe _{2-x} O ₄ ferrites synthesized by chemical method. Physica B: Condensed Matter, 2011, 406, 663-668.	1.3	102
7	Influence of Ce ⁴⁺ ions on the structural and magnetic properties of NiFe ₂ O ₄ . Journal of Applied Physics, 2011, 110, .	1.1	101
8	The structural and magnetic properties of dual phase cobalt ferrite. Scientific Reports, 2017, 7, 2524.	1.6	93
9	Cation distribution by Rietveld, spectral and magnetic studies of Chromium-substituted nickel ferrites. Applied Physics A: Materials Science and Processing, 2009, 95, 429-434.	1.1	84
10	Cation distribution study of nanocrystalline NiFe ₂ Cr _x O ₄ ferrite by XRD, magnetization and Mössbauer spectroscopy. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 347-352.	0.8	70
11	Crystal chemistry and single-phase synthesis of Gd ³⁺ substituted Co-Zn ferrite nanoparticles for enhanced magnetic properties. RSC Advances, 2018, 8, 25258-25267.	1.7	67
12	Effect of Cation Proportion on the Structural and Magnetic Properties of Ni-Zn Ferrites Nano-Size Particles Prepared By Co-Precipitation Technique. Chinese Journal of Chemical Physics, 2008, 21, 381-386.	0.6	64
13	Magneto-structural behaviour of Gd doped nanocrystalline Co-Zn ferrites governed by domain wall movement and spin rotations. Ceramics International, 2018, 44, 21675-21683.	2.3	64
14	Rietveld refinement and switching properties of Cr ³⁺ substituted NiFe ₂ O ₄ ferrites. Materials Letters, 2010, 64, 722-724.	1.3	57
15	Ferrites Obtained by Sol-Gel Method. , 2018, , 695-735.		52
16	Remarkable influence of Ce ⁴⁺ ions on the electronic conduction of Ni _{1-2x} Ce _x Fe ₂ O ₄ . Scripta Materialia, 2011, 64, 773-776.	2.6	51
17	Structural and electric properties of zinc substituted NiFe ₂ O ₄ nanoparticles prepared by co-precipitation method. Physica B: Condensed Matter, 2010, 405, 2610-2614.	1.3	48
18	The role of La ³⁺ substitution in modification of the magnetic and dielectric properties of the nanocrystalline Co-Zn ferrites. Journal of Magnetism and Magnetic Materials, 2020, 502, 166490.	1.0	45

#	ARTICLE	IF	CITATIONS
19	STRUCTURAL PROPERTIES AND CATION DISTRIBUTION OF Co-Zn NANOFERRITES. International Journal of Modern Physics B, 2009, 23, 5629-5638.	1.0	40
20	Role of composition and grain size in controlling the structure sensitive magnetic properties of Sm^{3+} substituted nanocrystalline Co-Zn ferrites. Journal of Rare Earths, 2020, 38, 1069-1075.	2.5	37
21	Ag^{+} ion substituted CuFe_2O_4 nanoparticles: Analysis of structural and magnetic behavior. Chemical Physics Letters, 2021, 765, 138308.	1.2	35
22	Microwave-assisted synthesis and magneto-electrical properties of Mg-Zn ferrimagnetic oxide nanostructures. Physica B: Condensed Matter, 2018, 530, 177-182.	1.3	34
23	Inter-atomic bonding and dielectric polarization in Gd^{3+} incorporated Co-Zn ferrite nanoparticles. Physica B: Condensed Matter, 2017, 510, 74-79.	1.3	30
24	Structural modifications in Co-Zn nanoferrites by Gd substitution triggering to dielectric and gas sensing applications. Journal of Alloys and Compounds, 2020, 844, 156178.	2.8	30
25	Cation distribution, magnetic properties and cubic-perovskite phase transition in bismuth-doped nickel ferrite. Solid State Sciences, 2017, 74, 88-94.	1.5	28
26	Tailoring ammonia gas sensing performance of La^{3+} -doped copper cadmium ferrite nanostructures. Solid State Sciences, 2020, 100, 106089.	1.5	28
27	Y^{3+} composition and particle size influenced magnetic and dielectric properties of nanocrystalline $\text{Ni}_{0.5}\text{Cu}_{0.5}\text{Y}_x\text{Fe}_{2-x}\text{O}_4$ ferrites. Ceramics International, 2021, 47, 17993-18002.	2.3	23
28	Ammonia gas sensing and magnetic permeability of enhanced surface area and high porosity lanthanum substituted Co-Zn nano ferrites. Ceramics International, 2022, 48, 15043-15055.	2.3	21
29	TiO_2 -Doped $\text{Ni}_{0.4}\text{Cu}_{0.3}\text{Zn}_{0.3}\text{Fe}_2\text{O}_4$ Nanoparticles for Enhanced Structural and Magnetic Properties. ACS Omega, 2021, 6, 17931-17940.	1.6	20
30	Effects of Zn^{2+} - Zr^{4+} ions on the structural, mechanical, electrical, and optical properties of cobalt ferrites synthesized via the sol-gel route. Journal of Physics and Chemistry of Solids, 2019, 133, 171-177.	1.9	19
31	Tuning the structural, optical and magnetic properties of NiCuZn ($\text{Ni}_{0.4}\text{Cu}_{0.3}\text{Zn}_{0.3}\text{Fe}_2\text{O}_4$) spinel ferrites by Nb_2O_5 additive. Ceramics International, 2022, 48, 27039-27050.	2.3	19
32	Superparamagnetic cobalt-substituted copper zinc ferrialuminate: synthesis, morphological, magnetic and dielectric properties investigation. Journal of Sol-Gel Science and Technology, 2020, 93, 633-642.	1.1	17
33	Green synthesis and dye-sensitized solar cell application of rutile and anatase TiO_2 nanorods. Journal of Solid State Electrochemistry, 2017, 21, 2713-2718.	1.2	15
34	Structure-sensitive magnetic properties of nanocrystalline Co^{2+} -substituted Ni-Zn ferrite aluminates. Ceramics International, 2021, 47, 26492-26500.	2.3	15
35	Role of Coupling Divalent and Tetravalent Metal Ions on the Elastic and Electric Properties of CoFe_2O_4 Ferrites Prepared by Sol-Gel Method. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2635-2640.	0.8	9
36	Biosynthesis of silver nanoparticles by using <i>Ganoderma</i> -mushroom extract. Modern Physics Letters B, 2015, 29, 1540047.	1.0	7

#	ARTICLE	IF	CITATIONS
37	Grain and grain boundaries influenced magnetic and dielectric properties of lanthanum-doped copper cadmium ferrites. Journal of Materials Science: Materials in Electronics, 2022, 33, 7636-7647.	1.1	7
38	The effect of oxidizing agents on the electrical properties of cobalt ferrite. Physica Scripta, 2010, 82, 045703.	1.2	5
39	Basics of ferrites. , 2020, , 1-11.		5
40	Elastic, impedance spectroscopic and dielectric properties of TiO ₂ doped nanocrystalline NiCuZn spinel ferrites. Phase Transitions, 2019, 92, 790-797.	0.6	4
41	Ferrimagnetic to paramagnetic transition and dielectric relaxation in Ni _{1-x} Zn _x Fe ₂ O ₄ ferrites. Ceramica, 2021, 67, 139-144.	0.3	4
42	Structural and Frequency Dependence Dielectric Properties of Magnesium Doped Nickel Ferrite. , 2011, , .		2
43	Influence of crystal size on structural, magnetic, mechanical, and dielectric properties of Ni-Cu-Zn nanoferrites. Journal of Materials Science: Materials in Electronics, 2021, 32, 19786-19797.	1.1	1
44	Structural, Morphological, and Dielectric Evaluation of Co ²⁺ Doped Zinc Ferrite Aluminate. Macromolecular Symposia, 2021, 400, 2100103.	0.4	0