

# Santosh S Jadhav

## List of Publications by Year in descending order

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44  
papers

2,009  
citations

236833

25  
h-index

289141

40  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1456  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ammonia gas sensing and magnetic permeability of enhanced surface area and high porosity lanthanum substituted Co <sup>2+</sup> /Zn nano ferrites. <i>Ceramics International</i> , 2022, 48, 15043-15055.	2.3	21
2	Grain and grain boundaries influenced magnetic and dielectric properties of lanthanum-doped copper cadmium ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 7636-7647.	1.1	7
3	Tuning the structural, optical and magnetic properties of NiCuZn (Ni <sub>0.4</sub> Cu <sub>0.3</sub> Zn <sub>0.3</sub> Fe <sub>2</sub> O <sub>4</sub> ) spinel ferrites by Nb <sub>2</sub> O <sub>5</sub> additive. <i>Ceramics International</i> , 2022, 48, 27039-27050.	2.3	19
4	Ag <sup>+</sup> ion substituted CuFe <sub>2</sub> O <sub>4</sub> nanoparticles: Analysis of structural and magnetic behavior. <i>Chemical Physics Letters</i> , 2021, 765, 138308.	1.2	35
5	Ferrimagnetic to paramagnetic transition and dielectric relaxation in Ni <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> ferrites. <i>Ceramica</i> , 2021, 67, 139-144.	0.3	4
6	Influence of crystal size on structural, magnetic, mechanical, and dielectric properties of Ni-Cu-Zn nanoferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19786-19797.	1.1	1
7	Y <sup>3+</sup> composition and particle size influenced magnetic and dielectric properties of nanocrystalline Ni <sub>0.5</sub> Cu <sub>0.5</sub> Y <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> ferrites. <i>Ceramics International</i> , 2021, 47, 17993-18002.	2.3	23
8	TiO <sub>2</sub> -Doped Ni <sub>0.4</sub> Cu <sub>0.3</sub> Zn <sub>0.3</sub> Fe <sub>2</sub> O <sub>4</sub> Nanoparticles for Enhanced Structural and Magnetic Properties. <i>ACS Omega</i> , 2021, 6, 17931-17940.	1.6	20
9	Structure-sensitive magnetic properties of nanocrystalline Co <sup>2+</sup> -substituted Ni <sup>2+</sup> /Zn ferrite aluminates. <i>Ceramics International</i> , 2021, 47, 26492-26500.	2.3	15
10	Structural, Morphological, and Dielectric Evaluation of Co <sup>2+</sup> Doped Zinc Ferrite Aluminate. <i>Macromolecular Symposia</i> , 2021, 400, 2100103.	0.4	0
11	Role of composition and grain size in controlling the structure sensitive magnetic properties of Sm <sup>3+</sup> substituted nanocrystalline Co-Zn ferrites. <i>Journal of Rare Earths</i> , 2020, 38, 1069-1075.	2.5	37
12	Superparamagnetic cobalt-substituted copper zinc ferrialuminate: synthesis, morphological, magnetic and dielectric properties investigation. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 633-642.	1.1	17
13	Tailoring ammonia gas sensing performance of La <sup>3+</sup> -doped copper cadmium ferrite nanostructures. <i>Solid State Sciences</i> , 2020, 100, 106089.	1.5	28
14	Basics of ferrites. , 2020, , 1-11.		5
15	Structural modifications in Co <sup>2+</sup> /Zn nanoferrites by Gd substitution triggering to dielectric and gas sensing applications. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156178.	2.8	30
16	The role of La <sup>3+</sup> substitution in modification of the magnetic and dielectric properties of the nanocrystalline Co-Zn ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 502, 166490.	1.0	45
17	Elastic, impedance spectroscopic and dielectric properties of TiO <sub>2</sub> doped nanocrystalline NiCuZn spinel ferrites. <i>Phase Transitions</i> , 2019, 92, 790-797.	0.6	4
18	Effects of Zn <sup>2+</sup> -Zr <sup>4+</sup> ions on the structural, mechanical, electrical, and optical properties of cobalt ferrites synthesized via the sol-gel route. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 133, 171-177.	1.9	19

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19	Microwave-assisted synthesis and magneto-electrical properties of Mg-Zn ferrimagnetic oxide nanostructures. <i>Physica B: Condensed Matter</i> , 2018, 530, 177-182.	1.3	34
20	Crystal chemistry and single-phase synthesis of Gd <sup>3+</sup> substituted Co-Zn ferrite nanoparticles for enhanced magnetic properties. <i>RSC Advances</i> , 2018, 8, 25258-25267.	1.7	67
21	Magneto-structural behaviour of Gd doped nanocrystalline Co-Zn ferrites governed by domain wall movement and spin rotations. <i>Ceramics International</i> , 2018, 44, 21675-21683.	2.3	64
22	Ferrites Obtained by Sol-Gel Method. , 2018, , 695-735.		52
23	Inter-atomic bonding and dielectric polarization in Gd <sup>3+</sup> incorporated Co-Zn ferrite nanoparticles. <i>Physica B: Condensed Matter</i> , 2017, 510, 74-79.	1.3	30
24	The structural and magnetic properties of dual phase cobalt ferrite. <i>Scientific Reports</i> , 2017, 7, 2524.	1.6	93
25	Cation distribution, magnetic properties and cubic-perovskite phase transition in bismuth-doped nickel ferrite. <i>Solid State Sciences</i> , 2017, 74, 88-94.	1.5	28
26	Green synthesis and dye-sensitized solar cell application of rutile and anatase TiO <sub>2</sub> nanorods. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2713-2718.	1.2	15
27	Role of Coupling Divalent and Tetravalent Metal Ions on the Elastic and Electric Properties of CoFe <sub>2</sub> O <sub>4</sub> Ferrites Prepared by Sol-Gel Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 2635-2640.	0.8	9
28	Influence of Bi <sup>3+</sup> -doping on the magnetic and Mössbauer properties of spinel cobalt ferrite. <i>Dalton Transactions</i> , 2015, 44, 6384-6390.	1.6	108
29	Biosynthesis of silver nanoparticles by using <i>Ganoderma</i> -mushroom extract. <i>Modern Physics Letters B</i> , 2015, 29, 1540047.	1.0	7
30	Cation distribution study of nanocrystalline NiFe <sub>2</sub> Cr <sub>2</sub> O <sub>4</sub> ferrite by XRD, magnetization and Mössbauer spectroscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 347-352.	0.8	70
31	Rietveld structure refinement, cation distribution and magnetic properties of Al <sup>3+</sup> substituted NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	141
32	Autocombustion High-Temperature Synthesis, Structural, and Magnetic Properties of CoCr <sub>x</sub> Fe <sub>2-2x</sub> O <sub>4</sub> (0 ≤ x ≤ 1.0). <i>Journal of Physical Chemistry C</i> , 2011, 115, 20905-20912.	1.5	119
33	Influence of Ce <sup>4+</sup> ions on the structural and magnetic properties of NiFe <sub>2</sub> O <sub>4</sub> . <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	101
34	Remarkable influence of Ce <sup>4+</sup> ions on the electronic conduction of Ni <sub>1-2x</sub> Ce <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> . <i>Scripta Materialia</i> , 2011, 64, 773-776.	2.6	51
35	Electrical and switching properties of NiAl <sub>x</sub> Fe <sub>2-2x</sub> O <sub>4</sub> ferrites synthesized by chemical method. <i>Physica B: Condensed Matter</i> , 2011, 406, 663-668.	1.3	102
36	Structural and Frequency Dependence Dielectric Properties of Magnesium Doped Nickel Ferrite. , 2011, , .		2

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37	Rietveld refinement and switching properties of Cr <sup>3+</sup> substituted NiFe <sub>2</sub> O <sub>4</sub> ferrites. Materials Letters, 2010, 64, 722-724.	1.3	57
38	Structural and electric properties of zinc substituted NiFe <sub>2</sub> O <sub>4</sub> nanoparticles prepared by co-precipitation method. Physica B: Condensed Matter, 2010, 405, 2610-2614.	1.3	48
39	The effect of oxidizing agents on the electrical properties of cobalt ferrite. Physica Scripta, 2010, 82, 045703.	1.2	5
40	Effect of Zn substitution on magnetic properties of nanocrystalline cobalt ferrite. Journal of Applied Physics, 2010, 108, .	1.1	158
41	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
42	Electrical and magnetic properties of Cr <sup>3+</sup> substituted nanocrystalline nickel ferrite. Journal of Applied Physics, 2009, 106, .	1.1	130
43	STRUCTURAL PROPERTIES AND CATION DISTRIBUTION OF Co <sup>2+</sup> Zn <sup>2+</sup> NANOFERRITES. International Journal of Modern Physics B, 2009, 23, 5629-5638.	1.0	40
44	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