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List of Publications by Year
in descending order

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50	2,234	186265	214800
papers	citations	28 h-index	47 g-index

52	52	52	1661
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural investigations and magnetic properties of cobalt ferrite nanoparticles prepared by solâ€“gel auto combustion method. Solid State Communications, 2008, 147, 479-483.	1.9	225
2	Doping effect of Mn2+ on the magnetic behavior in Niâ€“Zn ferrite nanoparticles prepared by solâ€“gel auto-combustion. Journal of Physics and Chemistry of Solids, 2010, 71, 1669-1675.	4.0	172
3	Effect of Zn substitution on magnetic properties of nanocrystalline cobalt ferrite. Journal of Applied Physics, 2010, 108, .	2.5	158
4	Autocombustion High-Temperature Synthesis, Structural, and Magnetic Properties of CoCr_xFe_{2â€“x}O₄ (0 â‰¤ x â‰¤ 1.0). Journal of Physical Chemistry C, 2011, 115, 20905-20912.	3.1	119
5	Electrical and switching properties of NiAlxFe2â^'xO4 ferrites synthesized by chemical method. Physica B: Condensed Matter, 2011, 406, 663-668.	2.7	102
6	Elastic properties of nanocrystalline aluminum substituted nickel ferrites prepared by co-precipitation method. Journal of Molecular Structure, 2013, 1038, 40-44.	3.6	94
7	Cation distribution by Rietveld, spectral and magnetic studies ofÂchromium-substituted nickel ferrites. Applied Physics A: Materials Science and Processing, 2009, 95, 429-434.	2.3	84
8	Impact of larger rare earth Pr3+ ions on the physical properties of chemically derived PrxCoFe2â^'xO4 nanoparticles. Chemical Physics, 2014, 429, 20-26.	1.9	75
9	Structure refinement, cation site location, spectral and elastic properties of Zn2+ substituted NiFe2O4. Journal of Molecular Structure, 2012, 1024, 77-83.	3.6	70
10	Cation distribution study of nanocrystalline NiFe_{2â^'x}Cr_xO₄ferrite by XRD, magnetization and MÃ¶ssbauer spectroscopy. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 347-352.	1.8	70
11	Crystal chemistry and single-phase synthesis of Gd³⁺substituted Coâ€“Zn ferrite nanoparticles for enhanced magnetic properties. RSC Advances, 2018, 8, 25258-25267.	3.6	67
12	Ce 3+ incorporated structural and magnetic properties of M type barium hexaferrites. Journal of Magnetism and Magnetic Materials, 2015, 378, 59-63.	2.3	64
13	Infrared spectral and elastic moduli study of NiFe2â^'xCrxO4 nanocrystalline ferrites. Journal of Magnetism and Magnetic Materials, 2013, 325, 107-111.	2.3	62
14	Random site occupancy induced disordered NÃ©el-type collinear spin alignment in heterovalent Zn²⁺â€“Ti⁴⁺ ion substituted CoFe₂O₄. RSC Advances, 2015, 5, 91482-91492.	3.6	62
15	Rietveld refinement and switching properties of Cr3+ substituted NiFe2O4 ferrites. Materials Letters, 2010, 64, 722-724.	2.6	57
16	Structural and electric properties of zinc substituted NiFe2O4 nanoparticles prepared by co-precipitation method. Physica B: Condensed Matter, 2010, 405, 2610-2614.	2.7	48
17	The role of La3+ substitution in modification of the magnetic and dielectric properties of the nanocrystalline Co-Zn ferrites. Journal of Magnetism and Magnetic Materials, 2020, 502, 166490.	2.3	45
18	Spectroscopic, elastic and dielectric properties of Ho3+ substituted Co-Zn ferrites synthesized by sol-gel method. Ceramics International, 2016, 42, 16096-16102.	4.8	43

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19	Polycrystalline to preferred-(100) single crystal texture phase transformation of yttrium iron garnet nanoparticles. Nanoscale Advances, 2019, 1, 403-413.	4.6	42
20	STRUCTURAL PROPERTIES AND CATION DISTRIBUTION OF Coâ€“Zn NANOFERRITES. International Journal of Modern Physics B, 2009, 23, 5629-5638.	2.0	40
21	Elastic behaviour of Cr3+ substituted Coâ€“Zn ferrites. Journal of Magnetism and Magnetic Materials, 2014, 350, 39-41.	2.3	39
22	Role of composition and grain size in controlling the structure sensitive magnetic properties of Sm3+ substituted nanocrystalline Co-Zn ferrites. Journal of Rare Earths, 2020, 38, 1069-1075.	4.8	37
23	Synthesis and characterization of magnetically separable Zn1-xCoxFeMnO4 nanoferrites as highly efficient photocatalyst for degradation of dye under solar light irradiation. Journal of Physics and Chemistry of Solids, 2021, 148, 109700.	4.0	37
24	Role of Cr3+ ions on the microstructure development, and magnetic phase evolution of Ni0.7Zn0.3Fe2O4 ferrite nanoparticles. Journal of Alloys and Compounds, 2012, 512, 316-322.	5.5	34
25	Frequency and temperature dependent electrical properties of Ni0.7Zn0.3Cr Fe2â^'O4 (0 â‰¤xâ‰¤ 0.5). Ceramics International, 2012, 38, 2963-2970.	4.8	34
26	Preparation and characterization of Co2+ substituted Liâ€“Dy ferrite ceramics. Ceramics International, 2013, 39, 5227-5234.	4.8	33
27	Inter-atomic bonding and dielectric polarization in Gd3+ incorporated Co-Zn ferrite nanoparticles. Physica B: Condensed Matter, 2017, 510, 74-79.	2.7	30
28	Structural modifications in Coâ€“Zn nanoferrites by Gd substitution triggering to dielectric and gas sensing applications. Journal of Alloys and Compounds, 2020, 844, 156178.	5.5	30
29	Cation distribution investigation and characterizations of Ni1â^'xCdxFe2O4 nanoparticles synthesized by citrate gel process. Journal of Molecular Structure, 2013, 1032, 105-110.	3.6	28
30	Spin glass behavior and enhanced but frustrated magnetization in Ho³⁺ substituted Coâ€“Zn ferrite interacting nanoparticles. RSC Advances, 2016, 6, 76590-76599.	3.6	28
31	Magnetically separable Zn_{1â^'x}Co_{0.5x}Mg_{0.5x}Fe₂O₄ ferrites: stable and efficient sunlight-driven photocatalyst for environmental remediation. RSC Advances, 2020, 10, 42766-42776.	3.6	27
32	Ammonia gas sensing and magnetic permeability of enhanced surface area and high porosity lanthanum substituted Coâ€“Zn nano ferrites. Ceramics International, 2022, 48, 15043-15055.	4.8	21
33	TiO₂-Doped Ni_{0.4}Cu_{0.3}Zn_{0.3}Fe₂O₄ Nanoparticles for Enhanced Structural and Magnetic Properties. ACS Omega, 2021, 6, 17931-17940.	3.5	20
34	Effects of Zn2+-Zr4+ ions on the structural, mechanical, electrical, and optical properties of cobalt ferrites synthesized via the solâ€“gel route. Journal of Physics and Chemistry of Solids, 2019, 133, 171-177.	4.0	19
35	Influence of Cuâ€“Mg substituted ZnFe2O4 ferrite as a highly efficient nanocatalyst for dye degradation and 4-nitrophenol reduction. Journal of Physics and Chemistry of Solids, 2022, 167, 110783.	4.0	19
36	Less magnetic and larger Zr4+â€“Zn2+ ions co-substituted structural and magnetic properties of ordered Li0.5Fe2.5O4 nanoparticles. Materials Research Bulletin, 2013, 48, 3530-3536.	5.2	14

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37	Magnesium ferrichromate nanoparticles: an efficient and recyclable catalyst in the synthesis of pyrano[2,3-c]pyrazole derivatives. Research on Chemical Intermediates, 2021, 47, 2669-2687.	2.7	14
38	Magnetically recoverable CoFe1.9Gd0.1O4 ferrite/polyaniline nanocomposite synthesized via green approach for radar band absorption. Ceramics International, 2021, 47, 28240-28251.	4.8	14
39	Role of ${hbox{Bi}}_{2}{hbox{O}}_{3}$ Additives on the Microstructure Development and Magnetic Properties of NiCuZn-Tb Ferrites. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	9
40	Influence of Zn-Zr substitution on the crystal chemistry and magnetic properties of CoFe2O4 nanoparticles synthesized by sol-gel method. Physica B: Condensed Matter, 2020, 596, 412400.	2.7	8
41	Magnetically Separable Zn_{1â€x}Cu_{0.5x}Mg_{0.5x}Fe₂O₄ÂFerrite: AÂStable Catalyst for Reduction of 4â€Nitrophenol. ChemistrySelect, 2022, 7, .	1.5	8
42	Effect of cobalt substitution in Zn1-xCoxFeCrO4 ferri-chromate: emerging light absorber for degradation of model textile dye. Surfaces and Interfaces, 2022, 33, 102189.	3.0	6
43	Synthesis of zinc oxide nanoparticles using Chrysopogonzizanioides grass extract, its applications in photodegradation and antimicrobial activity. Journal of Materials Science: Materials in Electronics, 2021, 32, 20725-20741.	2.2	5
44	Elastic, impedance spectroscopic and dielectric properties of TiO₂ doped nanocrystalline NiCuZn spinel ferrites. Phase Transitions, 2019, 92, 790-797.	1.3	4
45	Influence of Ta₂O₅ additive on the structural, optical and magnetic properties of Ni-Cu-Zn nanocrystalline spinel ferrites. Materials Research Express, 2019, 6, 096103.	1.6	4
46	Ferrimagnetic to paramagnetic transition and dielectric relaxation in Ni1-xZnxFe2O4 ferrites. Ceramica, 2021, 67, 139-144.	0.8	4
47	Synthesis and magnetic properties of Cu0.7Zn0.3AlxFe2â^'xO4 nanoferrites using egg-white method. Journal of Magnetism and Magnetic Materials, 2013, 339, 138-141.	2.3	3
48	PHYSICO-CHEMICAL, STRUCTURAL AND ELECTRICAL STUDIES OF Cuâ€“Zn FERRITES SYNTHESIZED BY NOVEL CHEMICAL ROUTE. International Journal of Modern Physics B, 2011, 25, 2157-2166.	2.0	2
49	Influence of Ta 2 O 5 Doping on Electrical and Dielectric Properties of Nanocrystalline NiCuZn Spinel Ferrite. Macromolecular Symposia, 2020, 393, 1900161.	0.7	2
50	Structural, Morphological, and Dielectric Evaluation of Co ²⁺ Doped Zinc Ferrite Aluminate. Macromolecular Symposia, 2021, 400, 2100103.	0.7	0