K M Jadhav

List of Publications by Year
in descending order

211 papers	8,264 citations	31902 53 h-index	62479 80 g-index
213 all docs	213 docs citations	213 times ranked	4244 citing authors

#	Article	IF	Citations
1	Nonlinear Optical Limiting and Radiation Shielding Characteristics of Sm2O3 Doped Cadmium Sodium Lithium Borate Glasses. Materials, 2022, 15, 2330.	1.3	9
2	Phase transformation, morphology, DC electrical resistivity and dielectric properties investigations of properties of manganese doped barium titanate nanoparticles. Journal of Crystal Growth, 2022, 585, 126588.	0.7	2
3	Microfluidic paper-based aptasensor devices for multiplexed detection of pathogenic bacteria. Biosensors and Bioelectronics, 2022, 207, 114214.	5.3	49
4	Intensive analysis of uncoated and surface modified Co-Zn nanoferrite as a heat generator in magnetic fluid hyperthermia applications. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	8
5	Eco-friendly green synthesis and characterizations of CoFe2-x AlxO4 nanocrystals: analysis of structural, magnetic, electrical, and dielectric properties. Journal of Nanostructure in Chemistry, 2021, 11, 469-481.	5.3	34
6	Facile synthesis, structure and infrared properties of CoFe2O4 ferrite nanoparticles (CFN). AIP Conference Proceedings, 2021, , .	0.3	0
7	Synthesis, TGA, structural, and infrared characterization Bafe12o19 nanoparticles. AIP Conference Proceedings, 2021, , .	0.3	0
8	Electric, dielectric and AC electrical conductivity study of Al3+ substituted barium hexaferrite nanoparticles synthesized by Sol-gel auto-combustion technique. Materials Today: Proceedings, 2021, 47, 1982-1987.	0.9	4
9	Synthesis, structural and magnetic properties of NiFe1.96Al0.02Gd0.02O4 nanoparticles (NFAGO). AIP Conference Proceedings, 2021, , .	0.3	0
10	Sol-Gel synthesis, structural characterizations, photo- catalytic degradation for H2 production and UV-Absorption of yttrium-substituted Co-Zn ferrite nanoparticles. AIP Conference Proceedings, 2021, , .	0.3	1
11	50ÂkGyâ€“100ÂkGy 60Co Î³-irradiation effects on structural and DC-electrical properties of solâ€“gel synthesized ZnF NPs. Journal of Materials Science: Materials in Electronics, 2021, 32, 11017-11027.	1.1	4
12	Synthesis and characterizations of magnetically inductive Mnâ€“Zn spinel ferrite nanoparticles for hyperthermia applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 13685-13692.	1.1	10
13	Rietveld refined structural, morphological, Raman and magnetic investigations of superparamagnetic Znâ€“Co nanospinel ferrites prepared by cost-effective co-precipitation route. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	17
14	Structural, Optical and Magnetic Properties of Diamagnetic Cd2+ Incorporated Cobalt Ferrite Thin Films Deposited by Spray Pyrolysis. Journal of Electronic Materials, 2021, 50, 6525-6534.	1.0	3
15	Magnetically retrievable nanoscale nickel ferrites: An active photocatalyst for toxic dye removal applications. Ceramics International, 2021, 47, 28623-28633.	2.3	60
16	Effect of iron doping on structural, DC electrical resistivity and ferroelectric properties of BaTiO3 nanoceramics. Optik, 2021, 247, 167913.	1.4	3
17	Sol-Gel auto-combustion, structural, photo-catalytic activity and UV-VIS study of Co1-xZnxFe2-yCeyO4 NPs (x = 0.3, y = 0.04). AIP Conference Proceedings, 2021, , .	0.3	1
18	Glycine assisted sol-gel synthesis and structural analysis of CoFe2O4 nanoparticles. AIP Conference Proceedings, 2021, , .	0.3	0

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19	Ceramic synthesis and X-ray diffraction characterization of copper ferrite. AIP Conference Proceedings, 2021, , .	0.3	1
20	Green synthesis and investigations of structural, cation distribution, morphological, and magnetic properties of nanoscale nickel ferrites: the effect of green fuel proportion. Phase Transitions, 2021, 94, 994-1005.	0.6	10
21	Surface Functionalized Superparamagnetic Znâ€Mg Ferrite Nanoparticles for Magnetic Hyperthermia Application Towards Noninvasive Cancer Treatment. Macromolecular Symposia, 2021, 400, .	0.4	31
22	Influence of trivalent Alâ€“Cr co-substitution on the structural, morphological and MÃ¶ssbauer properties of nickel ferrite nanoparticles. Journal of Alloys and Compounds, 2020, 821, 153501.	2.8	119
23	Structural, infrared, magnetic and ferroelectric properties of Sr0Â·5Ba0Â·5Ti1-xFexO3 nanoceramics: Modifications via trivalent Fe ion doping. Physica B: Condensed Matter, 2020, 581, 411944.	1.3	32
24	Hydrophobic to hydrophilic surface transformation of nano-scale zinc ferrite via oleic acid coating: Magnetic hyperthermia study towards biomedical applications. Ceramics International, 2020, 46, 7642-7653.	2.3	137
25	Influential diamagnetic magnesium (Mg2+) ion substitution in nano-spinel zinc ferrite (ZnFe2O4): Thermal, structural, spectral, optical and physisorption analysis. Ceramics International, 2020, 46, 8640-8650.	2.3	205
26	Multifunctional Magnetic Nano-platforms for Advanced Biomedical applications: A Brief Review. Journal of Physics: Conference Series, 2020, 1644, 012036.	0.3	22
27	Influence of manganese (Mn) substitution on structural, infrared and dielectric properties of BaTiO3 nanoceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 19756-19763.	1.1	5
28	Synthesis of nanocrystalline nickel ferrite through soft chemistry method: A green chemistry approach using ginger extract. AIP Conference Proceedings, 2020, , .	0.3	1
29	Structural, Morphological and Magnetic Properties of Cu²⁺ Doped ZnO Nanoparticles. Journal of Physics: Conference Series, 2020, 1644, 012008.	0.3	2
30	Multiferroic Fe³⁺ ion doped BaTiO₃ Perovskite Nanoceramics: Structural, Optical, Electrical and Dielectric Investigations. Journal of Physics: Conference Series, 2020, 1644, 012058.	0.3	8
31	Dextrose assisted sol-gel auto combustion synthesis and magnetic characterizations of cobalt ferrite nanoparticles. AIP Conference Proceedings, 2020, , .	0.3	2
32	X-ray Diffraction, Infrared and Magnetic Studies of NiFe₂O₄ Nanoparticles. Journal of Physics: Conference Series, 2020, 1644, 012010.	0.3	10
33	Induction Heating Analysis of Surface-Functionalized Nanoscale CoFe₂O₄ for Magnetic Fluid Hyperthermia toward Noninvasive Cancer Treatment. ACS Omega, 2020, 5, 23378-23384.	1.6	123
34	Effect of zinc doping on water-based manganese ferrite nanofluids for magnetic hyperthermia application. AIP Conference Proceedings, 2020, , .	0.3	19
35	Wet chemical synthesis and investigations of structural and dielectric properties of BaTiO3 nanoparticles. Journal of Physics: Conference Series, 2020, 1644, 012007.	0.3	10
36	Magnetic Properties of Nickel Ferrite Magnetic Nanoparticles Prepared via Glycine Assisted Sol-Gel Auto Combustion Route. Journal of Physics: Conference Series, 2020, 1644, 012022.	0.3	2

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37	Magneto-structural and photocatalytic behavior of mixed Niâ€“Zn nano-spinel ferrites: visible light-enabled active photodegradation of rhodamine B. Journal of Materials Science: Materials in Electronics, 2020, 31, 11352-11365.	1.1	84
38	Cation distribution, magnetic and hyperfine interaction studies of Niâ€“Zn spinel ferrites: role of Jahn Teller ion (Cu²⁺) substitution. Materials Advances, 2020, 1, 880-890.	2.6	95
39	Physicochemical properties of ambient pressure dried surface modified silica aerogels: effect of pH variation. SN Applied Sciences, 2020, 2, 1.	1.5	25
40	Influential incorporation of RE metal ion (Dy3+) in yttrium iron garnet (YIG) nanoparticles: Magnetic, electrical and dielectric behaviour. Ceramics International, 2020, 46, 15372-15378.	2.3	84
41	Influence of trivalent Cr ion substitution on the physicochemical, optical, electrical, and dielectric properties of sprayed NiFe₂O₄ spinel-magnetic thin films. RSC Advances, 2020, 10, 25143-25154.	1.7	40
42	Self-heating evaluation of superparamagnetic MnFe2O4 nanoparticles for magnetic fluid hyperthermia application towards cancer treatment. Ceramics International, 2020, 46, 25576-25583.	2.3	132
43	Effect of Cd2+ doping on structural, morphological, optical, magnetic and wettability properties of nickel ferrite thin films. Optik, 2020, 207, 164462.	1.4	52
44	Impact of crystallites on enhancement of bandgap of Mn1-xZnxFe2O4 (1Ââ‰¥ÂxÂâ‰¥Â0) nanospinels. Chemical Physics Letters, 2020, 745, 137240.	1.2	39
45	Structural, thermal, spectral, optical and surface analysis of rare earth metal ion (Gd3+) doped mixed Znâ€“Mg nano-spinel ferrites. Ceramics International, 2020, 46, 13170-13179.	2.3	126
46	Spinel zinc ferrite nanoparticles: an active nanocatalyst for microwave irradiated solvent free synthesis of chalcones. Materials Research Express, 2020, 7, 016116.	0.8	112
47	Effect of Zn doping on structural, magnetic and optical properties of cobalt ferrite nanoparticles synthesized via. Co-precipitation method. Physica B: Condensed Matter, 2020, 583, 412051.	1.3	129
48	Hyperthermic evaluation of oleic acid coated nano-spinel magnesium ferrite: Enhancement via hydrophobic-to-hydrophilic surface transformation. Journal of Alloys and Compounds, 2020, 835, 155422.	2.8	133
49	Tuning of physical properties of multifunctional Mg-Zn spinel ferrite nanocrystals: a comparative investigations manufactured via conventional ceramic versus green approach sol-gel combustion route. Materials Research Express, 2020, 7, 116102.	0.8	51
50	Thermophysical Investigations of Ultrasonically Assisted Magnetic Nanofluids for Heat Transfer. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1307-1317.	0.8	10
51	Structure, Morphology, Cation Distribution and Magnetic Properties of Cr3+-Substituted CoFe2O4 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2019, 32, 945-955.	0.8	7
52	Doping Effect of Fe Ions on the Structural, Electrical, and Magnetic Properties of SrTiO3 Nanoceramic Matrix. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1395-1406.	0.8	4
53	Preparation and Thermophysical Investigations of CoFe2O4-based Nanofluid: a Potential Heat Transfer Agent. Journal of Superconductivity and Novel Magnetism, 2019, 32, 341-351.	0.8	16
54	Investigations of structural, magnetic and induction heating properties of surface functionalized zinc ferrite nanoparticles for hyperthermia applications. AIP Conference Proceedings, 2019, , .	0.3	51

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55	Evaluation of thermal conductivity of the NiFe2O4 ferrofluids under influence of magnetic field. AIP Conference Proceedings, 2019, , .	0.3	3
56	Sol-gel auto combustion synthesis and characterizations of cobalt ferrite nanoparticles: Different fuels approach. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 248, 114388.	1.7	85
57	Synthesis of sodium silicate based aerogels by ambient pressure drying and their physical properties. AIP Conference Proceedings, 2019, , .	0.3	0
58	Influence of Cr3+ substitution on structural, morphological, optical, and magnetic properties of nickel ferrite thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	14
59	Impact of Trivalent Metal Ion Doping on Structural, Photoluminescence and Electric Properties of NiFe2O4 Thin Films. Journal of Electronic Materials, 2019, 48, 5184-5194.	1.0	8
60	Impact of trivalent metal ion substitution on structural, optical, magnetic and dielectric properties of Li0.5Fe2.5O4 thin films. Physica B: Condensed Matter, 2019, 566, 43-49.	1.3	16
61	Surface modified sodium silicate based superhydrophobic silica aerogels prepared via ambient pressure drying process. Journal of Non-Crystalline Solids, 2019, 511, 140-146.	1.5	114
62	Exploration of thermoacoustics behavior of water based nickel ferrite nanofluids by ultrasonic velocity method. Journal of Materials Science: Materials in Electronics, 2019, 30, 6564-6574.	1.1	67
63	Effect of Sm3+ substitution on the structural and magnetic properties of Ni-Co nanoferrites. Optics and Laser Technology, 2019, 112, 107-116.	2.2	25
64	Evaluation of thermoacoustics parameters of CoFe2O4â€“ethylene glycol nanofluid using ultrasonic velocity technique. Journal of Materials Science: Materials in Electronics, 2019, 30, 1175-1186.	1.1	9
65	Structural, magnetic and catalytical properties of cobalt ferrite nanoparticles dispersed in silica matrix. Materials Research Express, 2019, 6, 045055.	0.8	15
66	Ferromagnetism in Cu2+ doped ZnO nanoparticles and their physical properties. Journal of Materials Science: Materials in Electronics, 2019, 30, 4014-4025.	1.1	8
67	Effect of Î³-radiation on structural, morphological, magnetic and dielectric properties of Znâ€“Cr substituted nickel ferrite nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 56-68.	1.1	12
68	Effect of magnesium substitution on the structural, morphological, optical and wettability properties of cobalt ferrite thin films. Physica B: Condensed Matter, 2019, 555, 61-68.	1.3	26
69	Influence of Ba2+ on Opto-Electric Properties of Nanocrystalline BiFeO3 Multiferroic. Journal of Electronic Materials, 2019, 48, 358-367.	1.0	5
70	Enhancement of Electrical Resistivity in Nickel Doped ZnO Nanoparticles. Procedia Manufacturing, 2018, 20, 477-480.	1.9	10
71	Symmetry transition via tetravalent impurity and investigations on magnetic properties of Li0.5Fe2.5O4. AIP Conference Proceedings, 2018, , .	0.3	9
72	Different property studies with network improvement of CdO doped alkali borate glass. Journal of Non-Crystalline Solids, 2018, 491, 14-23.	1.5	48

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73	Temperature dependent viscosity of cobalt ferrite / ethylene glycol ferrofluids. AIP Conference Proceedings, 2018, , .	0.3	52
74	Effect of Annealing Temperature on Structural, Morphological, Optical and Magnetic Properties of NiFe2O4 Thin Films. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2949-2958.	0.8	33
75	Rietveld refinement, morphology and superparamagnetism of nanocrystalline Ni0.70â^'xCuxZn0.30Fe2O4 spinel ferrite. Ceramics International, 2018, 44, 5466-5472.	2.3	59
76	Structural, Microstructural, Magnetic, and Ferroelectric Properties of Ba 2 + -Doped BiFeO3 Nanocrystalline Multifferroic Material. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2501-2509.	0.8	19
77	Radiation-induced modifications in structural, electrical and dielectric properties of Ti4+ ions substituted Li0.5Fe2.5O4 nanoparticles. Journal of Materials Science: Materials in Electronics, 2018, 29, 8601-8609.	1.1	12
78	Sol-gel Auto Combustion Synthesis, Structural and Magnetic Properties of Mn doped ZnO Nanoparticles. Procedia Manufacturing, 2018, 20, 174-180.	1.9	28
79	Effect of Nd3+ doping on structural and magnetic properties of Ni0.5Co0.5Fe2O4 nanocrystalline ferrites synthesized by sol-gel auto combustion method. Journal of Alloys and Compounds, 2018, 748, 1053-1061.	2.8	70
80	Structural, morphological, optical, magnetic and electrical properties of Al3+ substituted nickel ferrite thin films. Journal of Alloys and Compounds, 2018, 735, 2287-2297.	2.8	46
81	Nanocrystalline Ni0.70â^'xCuxZn0.30Fe2O4 with 0â€‰â‰€â€‰xâ€‰â‰€â€‰0.25 prepared by nitrate-citrate route: structure, morphology and electrical investigations. Journal of Materials Science: Materials in Electronics, 2018, 29, 3467-3481.	1.1	21
82	Enhancement in surface area and magnetization of CoFe2O4 nanoparticles for targeted drug delivery application. AIP Conference Proceedings, 2018, , .	0.3	59
83	Structural and magnetic properties of nanocrystalline NiFe2O4 thin film prepared by spray pyrolysis technique. AIP Conference Proceedings, 2018, , .	0.3	0
84	Effect of Zn2+â€“Cr3+ substitution on structural, morphological, magnetic and electrical properties of NiFe2O4 ferrite nanoparticles. Journal of Materials Science: Materials in Electronics, 2018, 29, 15259-15270.	1.1	18
85	Rietveld, cation distribution and elastic investigations of nanocrystalline Li0.5+0.5xZrxFe2.5-1.5xO4 synthesized via sol-gel route. Physica B: Condensed Matter, 2018, 547, 64-71.	1.3	20
86	Structural and multiferroic properties of Ba2+ doped BiFeO3 nanoparticles synthesized via sol-gel method. AIP Conference Proceedings, 2018, , .	0.3	7
87	Investigations of magnetic and ferroelectric properties of multiferroic Sr-doped bismuth ferrite. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	16
88	Cu2+substituted NiFe2O4 thin films via spray pyrolysis technique and their high-frequency devices application. Journal of Alloys and Compounds, 2018, 769, 1132-1145.	2.8	37
89	Effect of RE (Nd3+, Sm3+) oxide on structural, optical properties of Na2O-Li2O-ZnO-B2O3 glass system. AIP Conference Proceedings, 2018, , .	0.3	4
90	Inter-atomic bonding and dielectric polarization in Gd3+ incorporated Co-Zn ferrite nanoparticles. Physica B: Condensed Matter, 2017, 510, 74-79.	1.3	30

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91	Urea assisted synthesis of Ni1â^'xZnxFe2O4 (0Ââ‰ÂxÂâ‰Â0.8): Magnetic and MÃ¶ssbauer investigations. Journal of Alloys and Compounds, 2017, 704, 227-236.	2.8	48
92	Synthesis and characterization of water based NiFe2O4 ferrofluid. AIP Conference Proceedings, 2017, , .	0.3	15
93	Network structure analysis of modifier CdO doped sodium borate glass using FTIR and Raman spectroscopy. Journal of Non-Crystalline Solids, 2017, 474, 58-65.	1.5	93
94	Effect of iron oxide (Fe2O3) on the structural, optical, electrical, and dielectric properties of SrOâ€“V2O5 glasses. Glass Physics and Chemistry, 2017, 43, 302-312.	0.2	7
95	Auto-ignition synthesis of CoFe2O4 with Al3+ substitution for high frequency applications. Ceramics International, 2017, 43, 14347-14353.	2.3	24
96	Influence of Ti4+ ion substitution on structural, electrical and dielectric properties of Li0.5Fe2.5O4 nanoparticles. Journal of Materials Science: Materials in Electronics, 2017, 28, 17254-17261.	1.1	17
97	Rietveld refinement and electrical properties of LiTiFeO4. AIP Conference Proceedings, 2017, , .	0.3	6
98	Deposition, characterization, magnetic and optical properties of Zn doped CuFe2O4 thin films. Journal of Alloys and Compounds, 2017, 695, 1573-1582.	2.8	48
99	Influence of Alâ€“Cr co-substitution on physical properties of strontium hexaferrite nanoparticles synthesized by solâ€“gel auto combustion method. Journal of Materials Science: Materials in Electronics, 2017, 28, 407-417.	1.1	17
100	Impact of Jahn Teller ion on magnetic and semiconducting behaviour of Ni-Zn spinel ferrite synthesized by nitrate-citrate route. Journal of Alloys and Compounds, 2017, 691, 343-354.	2.8	74
101	Sol-gel auto combustion synthesis, electrical and dielectric properties of Zn1â^'xCoxO (0.0Ââ‰ÂxÂâ‰Â0.36) semiconductor nanoparticles. Journal of Alloys and Compounds, 2017, 691, 355-363.	2.8	17
102	Room temperature ferromagnetism and photoluminescence of multifunctional Fe doped BaZrO3 nanoceramics. Journal of Alloys and Compounds, 2017, 691, 287-298.	2.8	25
103	Electrical resistivity and MÃ¶ssbauer studies of Cr substituted Co nano ferrites. Journal of Alloys and Compounds, 2017, 694, 366-374.	2.8	41
104	Structural, Electrical, Dielectric, and Magnetic Properties of Cd²⁺ Substituted Nickel Ferrite Nanoparticles. Journal of Nanoparticles, 2016, 2016, 1-8.	1.4	27
105	Effect of drug Piper nigrum on magnesium chloride at varying concentration and temperature through ultrasonic method: A thermoacoustic study. Cogent Physics, 2016, 3, .	0.7	0
106	Effect of Zn2+ substitution and zero porosity correction on elastic behavior of CoFe2O4. AIP Conference Proceedings, 2016, , .	0.3	1
107	Effect of drug Piper nigrum on physicochemical properties of zinc chloride at varying concentration and temperature investigated through ultrasonic tool. Cogent Chemistry, 2016, 2, 1216721.	2.5	4
108	Effect of Fe â€“ substitution on phase transformation, optical, electrical and dielectrical properties of BaTiO3 nanoceramics synthesized by sol-gel auto combustion method. Journal of Electroceramics, 2016, 37, 110-120.	0.8	25

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109	Synthesis, structural, morphological, optical and magnetic properties of Zn1âˆ’Co O (0Ââ‰ÂxÂâ‰Â0.36) nanoparticles synthesized by sol-gel auto combustion method. Journal of Alloys and Compounds, 2016, 683, 513-526.	2.8	31
110	Structural, Electrical and Dielectrical Property Investigations of Fe-Doped BaZrO3 Nanoceramics. Journal of Electronic Materials, 2016, 45, 3227-3235.	1.0	27
111	Multiferroic iron doped BaTiO3 nanoceramics synthesized by sol-gel auto combustion: Influence of iron on physical properties. Ceramics International, 2016, 42, 12441-12451.	2.3	78
112	Investigations on the synthesis, structural and microstructural characterizations of Ba₁₋_xSr_xZrO₃ nanoceramics. Ferroelectrics, 2016, 504, 216-229.	0.3	12
113	Structural, Microstructural, and Magnetic Studies on Magnesium (Mg2+)-Substituted CoFe2O4 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1025-1032.	0.8	17
114	l-Ascorbic acid assisted synthesis and characterization of CoFe2O4 nanoparticles at different annealing temperatures. Journal of Materials Science: Materials in Electronics, 2016, 27, 2151-2158.	1.1	12
115	Structural and magnetic characterization of 100-kGy Co60 Î³-ray-irradiated ZnFe2O4 NPs by XRD, Wâ€“H plot and ESR. Journal of Sol-Gel Science and Technology, 2016, 79, 1-11.	1.1	12
116	Effect of 100ÂkGy Î³-irradiation on the structural, electrical and magnetic properties of CoFe2O4 NPs. Journal of Alloys and Compounds, 2016, 676, 326-336.	2.8	30
117	Presence of intrinsic defects and transition from diamagnetic to ferromagnetic state in Co2+ ions doped ZnO nanoparticles. Journal of Materials Science: Materials in Electronics, 2016, 27, 5575-5583.	1.1	18
118	Structural, magnetic and dielectrical properties of Alâ€“Cr Co-substituted M-type barium hexaferrite nanoparticles. Journal of Molecular Structure, 2016, 1106, 460-467.	1.8	63
119	Effect of Co 2+ ions on structural, morphological and optical properties of ZnO nanoparticles synthesized by solâ€“gel auto combustion method. Materials Science in Semiconductor Processing, 2016, 41, 441-449.	1.9	41
120	Assessment of yield losses due to girdle beetle,Obereopsis brevisGahan and stemfly,Melanagromyza phaseoli(Zehnt) on soybean. Journal of Entomological Research, 2016, 40, 73.	0.0	0
121	Bioefficacy of some insecticides against thrips and whitefly of chilli. Journal of Entomological Research, 2016, 40, 91.	0.0	0
122	Polyethylene glycol coated CoFe2O4 nanoparticles: A potential spinel ferrite for biomedical applications. AIP Conference Proceedings, 2015, , .	0.3	5
123	Electrical and Dielectrical Properties of Low-Temperature-Synthesized Nanocrystalline Mg2+-Substituted Cobalt Spinel Ferrite. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3351-3356.	0.8	51
124	X-Ray and Infrared Studies on Superparamagnetic Niâ€“Zn Ferrite Nanocrystals. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1759-1766.	0.8	6
125	Effect of gamma irradiation on the structural and magnetic properties of Coâ€“Zn spinel ferrite nanoparticles. Materials Research Bulletin, 2015, 63, 123-128.	2.7	40
126	X-Ray Diffraction and Cation Distribution Studies in Zinc-Substituted Nickel Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2014, 27, 547-553.	0.8	77

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127	Synthesis, structural investigation and magnetic properties of Zn2+ substituted cobalt ferrite nanoparticles prepared by the solâ€“gel auto-combustion technique. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 87-92.	1.0	158
128	Superparamagnetic Behavior of Zinc-Substituted Nickel Ferrite Nanoparticles and its Effect on Mossbauer and Magnetic Parameters. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1889-1897.	0.8	43
129	Elastic behaviour of Cr3+ substituted Coâ€“Zn ferrites. Journal of Magnetism and Magnetic Materials, 2014, 350, 39-41.	1.0	39
130	Structural, magnetic and magnetoelectric properties of the magnetoelectric composite material. Journal of Materials Science: Materials in Electronics, 2014, 25, 3659-3663.	1.1	5
131	Sintering temperature reflected cation distribution of Zn2+ substituted CoFe2O4. Journal of Central South University, 2013, 20, 1469-1474.	1.2	2
132	Synthesis, structural, electrical and dielectric properties of Znâ€“Zr doped strontium hexaferrite nanoparticles. Journal of Materials Science: Materials in Electronics, 2013, 24, 3101-3107.	1.1	23
133	MÃ¶ssbauer spectral studies of Ti4+ substituted nickel ferrite. Journal of Magnetism and Magnetic Materials, 2013, 331, 220-224.	1.0	17
134	Preparation and characterization of Co2+ substituted Liâ€“Dy ferrite ceramics. Ceramics International, 2013, 39, 5227-5234.	2.3	33
135	Nd:YAG laser irradiation effects on the structural and magnetic properties of polycrystalline cobalt ferrite. Journal of Molecular Structure, 2013, 1035, 27-30.	1.8	12
136	Elastic properties of nanocrystalline aluminum substituted nickel ferrites prepared by co-precipitation method. Journal of Molecular Structure, 2013, 1038, 40-44.	1.8	94
137	Infrared spectral and elastic moduli study of NiFe2â^'xCrxO4 nanocrystalline ferrites. Journal of Magnetism and Magnetic Materials, 2013, 325, 107-111.	1.0	62
138	Structure refinement, cation site location, spectral and elastic properties of Zn2+ substituted NiFe2O4. Journal of Molecular Structure, 2012, 1024, 77-83.	1.8	70
139	Nd:YAG laser irradiation effects on electrical properties of polycrystalline Li0.5Fe2.5O4. Journal of Alloys and Compounds, 2012, 511, 31-34.	2.8	1
140	Effect of Al doping on the cation distribution in copper ferrite nanoparticles and their structural and magnetic properties. Journal of the Korean Physical Society, 2012, 61, 568-574.	0.3	15
141	Dielectric relaxation and ac conductivity of polyanilineâ€“zinc ferrite composite. Composites Part B: Engineering, 2012, 43, 3406-3411.	5.9	54
142	Effect of Ba2+ â€“ Sr2+ co-substitution on the structural and dielectric properties of Lead Titanate. Journal of Electroceramics, 2012, 29, 62-70.	0.8	8
143	Rietveld structure refinement, cation distribution and magnetic properties of Al3+ substituted NiFe2O4 nanoparticles. Journal of Applied Physics, 2011, 109, .	1.1	141
144	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.	1.5	119

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145	Influence of Ce4+ ions on the structural and magnetic properties of NiFe2O4. Journal of Applied Physics, 2011, 110, .	1.1	101
146	Influence of chromium substitution on structural and magnetic properties of BaFe12O19 powder prepared by solâ€“gel auto combustion method. Journal of Alloys and Compounds, 2011, 509, 4394-4398.	2.8	64
147	Chemical synthesis, structural and magnetic properties of nano-structured Coâ€“Znâ€“Feâ€“Cr ferrite. Journal of Alloys and Compounds, 2011, 509, 5055-5060.	2.8	81
148	EFFECT OF JUMP LENGTH OF ELECTRON AND CATION DISTRIBUTION STUDY OF Co1-xZnxFe2-xAlxO4. International Journal of Modern Physics B, 2011, 25, 2229-2236.	1.0	0
149	Remarkable influence of Ce4+ ions on the electronic conduction of Ni1â^'2xCexFe2O4. Scripta Materialia, 2011, 64, 773-776.	2.6	51
150	Effect of aluminum substitution on the structural and magnetic properties of cobalt ferrite synthesized by solâ€“gel auto combustion process. Physica B: Condensed Matter, 2011, 406, 4350-4354.	1.3	90
151	Structural studies of Mn doped ZnO nanoparticles. Current Applied Physics, 2011, 11, 762-766.	1.1	78
152	Effects of Nd:YAG laser irradiation on structural, morphological, cation distribution and magnetic properties of nanocrystalline CoFe2O4. Applied Surface Science, 2011, 257, 8511-8517.	3.1	22
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