Sher Singh Meena

List of Publications by Year
in descending order

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228	6,179	57631	102304
papers	citations	44 h-index	66 g-index

229	229	229	5061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Induction heating studies of Fe3O4 magnetic nanoparticles capped with oleic acid and polyethylene glycol for hyperthermia. Journal of Materials Chemistry, 2011, 21, 13388.	6.7	298
2	Verwey Transition in Ultrasmall-Sized Octahedral Fe₃O₄ Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 19356-19362.	1.5	159
3	Solâ€“gel synthesis, structural and magnetic properties of nanoscale M-type barium hexaferrites BaCoxZrxFe(12â^'2x)O19. Journal of Magnetism and Magnetic Materials, 2014, 350, 23-29.	1.0	157
4	Improved magnetic properties of Cr3+ doped SrFe12O19 synthesized via microwave hydrothermal route. Materials Research Bulletin, 2015, 63, 58-66.	2.7	150
5	Structural, magnetic and dielectric properties of Co-Zr substituted M-type calcium hexagonal ferrite nanoparticles in the presence of Î±-Fe2O3 phase. Ceramics International, 2018, 44, 17812-17823.	2.3	131
6	Influence of rare earth ion doping (Ce and Dy) on electrical and magnetic properties of cobalt ferrites. Journal of Magnetism and Magnetic Materials, 2018, 449, 319-327.	1.0	130
7	Influence of Co2+ distribution and spinâ€“orbit coupling on the resultant magnetic properties of spinel cobalt ferrite nanocrystals. Journal of Alloys and Compounds, 2013, 566, 54-61.	2.8	123
8	Size dependent magnetic and dielectric properties of nano CoFe2O4 prepared by a salt assisted gel-combustion method. Journal of Applied Physics, 2013, 113, .	1.1	118
9	Cobalt substituted nickel ferrites via Pechiniâ€™s solâ€“gel citrate route: X-band electromagnetic characterization. Journal of Magnetism and Magnetic Materials, 2018, 466, 430-445.	1.0	109
10	Structural refinement and photocatalytic activity of Fe-doped anatase TiO2 nanoparticles. Applied Surface Science, 2012, 263, 536-545.	3.1	108
11	Influence of Mg substitution on structural, magnetic and dielectric properties of X-type barium zinc hexaferrites Ba2Zn2-xMgxFe28O46. Journal of Alloys and Compounds, 2018, 741, 377-391.	2.8	100
12	XRD, EDX, FTIR and ESR spectroscopic studies of co-precipitated Mnâ€“substituted Znâ€“ferrite nanoparticles. Ceramics International, 2019, 45, 8037-8044.	2.3	93
13	Catalytic activities of cobalt, nickel and copper ferrospinels for sulfuric acid decomposition: The high temperature step in the sulfur based thermochemical water splitting cycles. International Journal of Hydrogen Energy, 2011, 36, 4768-4780.	3.8	90
14	Effect of site preferences on structural and magnetic switching properties of COâ€“Zr doped strontium hexaferrite SrCo x Zr x Fe (12â^'2x) O 19. Journal of Magnetism and Magnetic Materials, 2015, 378, 84-91.	1.0	86
15	Elucidation of phase evolution, microstructural, MÃ¶ssbauer and magnetic properties of Co2+Al3+ doped M-type Ba Sr hexaferrites synthesized by a ceramic method. Journal of Alloys and Compounds, 2017, 695, 1112-1121.	2.8	86
16	Compositional variability of glauconites within the Upper Cretaceous Karai Shale Formation, Cauvery Basin, India: Implications for evaluation of stratigraphic condensation. Sedimentary Geology, 2016, 331, 12-29.	1.0	82
17	Structural and magnetic characterization of co-precipitated Ni Zn1â^'Fe2O4 ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 407, 135-141.	1.0	74
18	Influence of rare earth (Nd+3) doping on structural and magnetic properties of nanocrystalline manganese-zinc ferrite. Materials Chemistry and Physics, 2017, 191, 215-224.	2.0	70

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19	Structural and magnetic properties of CuFe2O4 ferrite nanoparticles synthesized by cow urine assisted combustion method. Journal of Magnetism and Magnetic Materials, 2019, 484, 120-125.	1.0	69
20	Synthesis of Low Coercive BaFe12O19 Hexaferrite for Microwave Applications in Low-Temperature Cofired Ceramic. Journal of Electronic Materials, 2013, 42, 761-768.	1.0	65
21	Nanostructured Fe2O3 dispersed on SiO2 as catalyst for high temperature sulfuric acid decompositionâ€"Structural and morphological modifications on catalytic use and relevance of Fe2O3-SiO2 interactions. Applied Catalysis B: Environmental, 2017, 217, 154-168.	10.8	65
22	Preparation and study of magnetic properties of silico phosphate glass and glass-ceramics having iron and zinc oxide. Journal of Magnetism and Magnetic Materials, 2009, 321, 3821-3828.	1.0	63
23	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.	1.7	62
24	MÃ¶ssbauer, Raman, and Magnetoresistance Study of Aluminum-Based Iron Oxide Thin Films. Journal of Physical Chemistry C, 2011, 115, 3731-3736.	1.5	61
25	Distribution of cations in Co1â^'xMnxFe2O4 using XRD, magnetization and MÃ¶ssbauer spectroscopy. Journal of Alloys and Compounds, 2015, 646, 550-556.	2.8	61
26	Synthesis of Co-Zr doped nanocrystalline strontium hexaferrites by sol-gel auto-combustion route using sucrose as fuel and study of their structural, magnetic and electrical properties. Ceramics International, 2016, 42, 14475-14489.	2.3	61
27	Stabilization of temperature during magnetic hyperthermia by Ce substituted magnetite nanoparticles. Journal of Magnetism and Magnetic Materials, 2017, 434, 181-186.	1.0	61
28	Correlation between site preference and magnetic properties of Coâ€"Zr doped BaCo x Zr x Fe (12 â^'2 x) O 19 prepared under solâ€"gel and citrate precursor solâ€"gel conditions. Journal of Alloys and Compounds, 2014, 615, 875-881.	2.8	59
29	Study of magnetic behavior in co-precipitated Niâ€"Zn ferrite nanoparticles and their potential use for gas sensor applications. Journal of Magnetism and Magnetic Materials, 2020, 502, 166534.	1.0	58
30	Exploring the structural, MÃ¶ssbauer and dielectric properties of Co2+ incorporated Mg0.5Zn0.5â^'xCoxFe2O4 nanocrystalline ferrite. Journal of Magnetism and Magnetic Materials, 2014, 360, 21-33.	1.0	55
31	Cations distribution and magnetic properties of Coâ€"Zr doped BaCo x Zr x Fe (12â^'2x) O 19 prepared via citrate precursor solâ€"gel route. Ceramics International, 2014, 40, 16617-16626.	2.3	55
32	Zn_xFe_{3â^'x}O₄ (0.01 â‰¤ x â‰¤ 0.8) nanoparticles for controlled magnetic hyperthermia application. New Journal of Chemistry, 2018, 42, 7144-7153.	1.4	55
33	Structural and electron spin resonance spectroscopic studies of Mn Zn1â^'Fe2O4 (xâ€¯=â€¯0.5, 0.6, 0.7) nanoferrites synthesized by sol-gel auto combustion method. Journal of Magnetism and Magnetic Materials, 2018, 466, 60-68.	1.0	53
34	Fe3C nanoparticles for magnetic hyperthermia application. Journal of Magnetism and Magnetic Materials, 2019, 481, 251-256.	1.0	51
35	Enhanced dielectric, magnetic and optical properties of Cr-doped BiFeO3 multiferroic nanoparticles synthesized by sol-gel route. Results in Physics, 2019, 13, 102299.	2.0	50
36	Effect of Fuel on the Synthesis, Structural, and Magnetic Properties of M-Type Hexagonal SrFe12O19 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1589-1599.	0.8	49

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37	Investigation of structural and magnetic properties of co-precipitated Mnâ€“Ni ferrite nanoparticles in the presence of Î±-Fe2O3 phase. Journal of Magnetism and Magnetic Materials, 2015, 392, 101-106.	1.0	49
38	The distinctive compositional evolution of glauconite in the Cretaceous Ukra Hill Member (Kutch) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	49
39	Magnetic interactions and dielectric dispersion in Mg substituted M-type Sr-Cu hexaferrite nanoparticles prepared using one step solvent free synthesis technique. Ceramics International, 2018, 44, 4426-4435.	2.3	49
40	Modulation of physico-chemical, magnetic, microwave and electromagnetic properties of nanocrystalline strontium hexaferrite by Co-Zr doping synthesized using citrate precursor sol-gel method. Ceramics International, 2017, 43, 590-598.	2.3	48
41	Investigation of cation distribution and magnetocrystalline anisotropy of Ni x Cu 0.1 Zn 0.9â^'x Fe 2 O 4 nanoferrites: Role of constant mole percent of Cu 2+ dopant in place of Zn 2+. Ceramics International, 2017, 43, 7984-7991.	2.3	47
42	Catalytic properties of dispersed iron oxides Fe2O3/MO2 (MÂ=ÂZr, Ce, Ti and Si) for sulfuric acid decomposition reaction: Role of support. International Journal of Hydrogen Energy, 2018, 43, 37-52.	3.8	47
43	Manganese ferrite prepared using reverse micelle process: Structural and magnetic properties characterization. Journal of Alloys and Compounds, 2015, 642, 70-77.	2.8	46
44	Distinctive compositional characteristics and evolutionary trend of Precambrian glaucony: Example from Bhalukona Formation, Chhattisgarh basin, India. Precambrian Research, 2015, 271, 33-48.	1.2	45
45	Structural and magnetic properties of glass-ceramics containing silver and iron oxide. Materials Chemistry and Physics, 2012, 133, 144-150.	2.0	44
46	Synthesis of nanosize and sintered Mn0.3Ni0.3Zn0.4Fe2O4 ferrite and their structural and dielectric studies. Journal of Alloys and Compounds, 2013, 555, 225-231.	2.8	44
47	Structural and magnetic properties of spin chain compoundsCa3Co2â^'xFexO6. Physical Review B, 2006, 74, .	1.1	43
48	Structural, optical, elastic and magnetic properties of Ce and Dy doped cobalt ferrites. Journal of Alloys and Compounds, 2020, 834, 155089.	2.8	43
49	Structural, thermal and magnetic studies of MgxZn1â^'xFe2O4 nanoferrites: Study of exchange interactions on magnetic anisotropy. Ceramics International, 2016, 42, 19179-19186.	2.3	42
50	Facile single phase synthesis of Sr, Co co-doped BiFeO3 nanoparticles for boosting photocatalytic and magnetic properties. Applied Surface Science, 2019, 493, 593-604.	3.1	42
51	Preparation and studies on surface modifications of calcium-silico-phosphate ferrimagnetic glass-ceramics in simulated body fluid. Materials Science and Engineering C, 2009, 29, 2226-2233.	3.8	41
52	Electrical resistivity and MÃ¶ssbauer studies of Cr substituted Co nano ferrites. Journal of Alloys and Compounds, 2017, 694, 366-374.	2.8	41
53	Gamma radiation roused lattice contraction effects investigated by MÃ¶ssbauer spectroscopy in nanoparticle Mnâ€“Zn ferrite. Radiation Physics and Chemistry, 2014, 102, 147-152.	1.4	39
54	Modified surface and bulk properties of Fe-substituted lanthanum titanates enhances catalytic activity for CO+N2O reaction. Journal of Molecular Catalysis A, 2011, 335, 158-168.	4.8	36

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55	Influence of Co4+-Ca2+ substitution on structural, microstructure, magnetic, electrical and impedance characteristics of M-type bariumâ€“strontium hexagonal ferrites. Ceramics International, 2020, 46, 24816-24830.	2.3	36
56	Î³-Fe2O3 nanoflowers as efficient magnetic hyperthermia and photothermal agent. Applied Surface Science, 2021, 560, 150025.	3.1	36
57	High temperature dielectric studies of indium-substituted NiCuZn nanoferrites. Journal of Physics and Chemistry of Solids, 2018, 112, 29-36.	1.9	34
58	Multiferroic properties of microwave sintered BaTiO3â€“SrFe12O19 composites. Physica B: Condensed Matter, 2014, 448, 323-326.	1.3	33
59	Catalytic and redox properties of nano-sized La0.8Sr0.2Mn1â^'xFexO3â^'Î´ mixed oxides synthesized by different routes. Journal of Molecular Catalysis A, 2006, 246, 128-135.	4.8	32
60	Study of structural, electrical and magnetic properties of Cr doped Niâ€“Mg ferrite nanoparticle. Journal of Alloys and Compounds, 2014, 602, 150-156.	2.8	32
61	Structural and magnetic characterization of Zr-substituted magnetite (Zr x Fe 3â^'x O 4 , 0â‰¤ x â‰¤1). Journal of Magnetism and Magnetic Materials, 2016, 401, 559-566.	1.0	32
62	Crystal structure and magnetic properties of Bi0.8A0.2FeO3 (A = La, Ca, Sr, Ba) multiferroics using neutron diffraction and Mossbauer spectroscopy. AIP Advances, 2014, 4, .	0.6	31
63	Magnetic and dielectric properties of Zn substituted cobalt oxide nanoparticles. Ceramics International, 2019, 45, 16512-16520.	2.3	31
64	Synthesis of exchange coupled nanoflowers for efficient magnetic hyperthermia. Journal of Magnetism and Magnetic Materials, 2019, 484, 437-444.	1.0	31
65	Influence of samarium doping on structural, elastic, magnetic, dielectric, and electrical properties of nanocrystalline cobalt ferrite. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	31
66	Structural and magnetic properties of nanocrystalline equi-atomic spinel high-entropy oxide (AlCoFeMnNi)3O4 synthesised by microwave assisted co-precipitation technique. Journal of Alloys and Compounds, 2021, 878, 160269.	2.8	31
67	Investigation of structural, magnetic and dielectric properties of gallium substituted Z-type Sr3Co2-Ga Fe24O41 hexaferrites for microwave absorbers. Journal of Alloys and Compounds, 2020, 822, 153470.	2.8	30
68	Effect of heating temperature on structural, magnetic, and dielectric properties of Magnesium ferrites prepared in the presence of Solanum Lycopersicum fruit extract. Journal of Materials Science: Materials in Electronics, 2020, 31, 18445-18463.	1.1	30
69	Nano-aggregates of hexacyanoferrate (II)-loaded magnetite for removal of cesium from radioactive wastes. Journal of Magnetism and Magnetic Materials, 2003, 267, 335-340.	1.0	29
70	Enabling the Electrochemical Activity in Sodium Iron Metaphosphate [NaFe(PO₃)₃] Sodium Battery Insertion Material: Structural and Electrochemical Insights. Inorganic Chemistry, 2017, 56, 5918-5929.	1.9	29
71	Design and development of Ga-substituted Z-type hexaferrites for microwave absorber applications: MÃ¶ssbauer, static and dynamic properties. Ceramics International, 2021, 47, 1145-1162.	2.3	29
72	Physical and chemical properties of nanoscale magnetite-based solvent extractant. Journal of Magnetism and Magnetic Materials, 2005, 293, 8-14.	1.0	28

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73	Spin reorientation behavior in YMn1â^'xMxO3 (M=Ti, Fe, Ga; x=0, 0.1). Journal of Magnetism and Magnetic Materials, 2013, 348, 120-127.	1.0	28
74	Coreâ€“Shell Prussian Blue Analogue Molecular Magnet Mn_{1.5}[Cr(CN)₆]Â·mH₂O@Ni_{1.5}[Cr(CN)₆]Â·nH₂O for Hydrogen Storage. ACS Applied Materials & Interfaces, 2014, 6, 17579-17588.	1.0	28
75	Structural and magnetic investigations: Study of magnetocrystalline anisotropy and magnetic behavior of 0.1% Cu2+ substituted Niâ€“Zn ferrite nanoparticles. Ceramics International, 2018, 44, 1193-1200.	2.3	28
76	Studies of structural, magnetic and dielectric properties of X-type Barium Zinc hexaferrite Ba2Zn2Fe28O46 powder prepared by combustion treatment method using ginger root extract as a green reducing agent. Journal of Alloys and Compounds, 2020, 842, 155120.	2.8	28
77	Study of structural and magnetic properties of (Coâ€“Cu)Fe2O4/PANI composites. Materials Chemistry and Physics, 2013, 141, 406-415.	2.0	27
78	Controlled synthesis and enhanced tunnelling magnetoresistance in oriented Fe₃O₄ nanorod assemblies. Journal Physics D: Applied Physics, 2018, 51, 085002.	1.3	27
79	Investigation on structural, hysteresis, MÃ¶ssbauer properties and electrical parameters of lightly Erbium substituted X-type Ba2Co2Er Fe28-O46 hexaferrites. Ceramics International, 2020, 46, 8209-8226.	2.3	27
80	Evaluation of structural and dielectric properties of Mn2+-substituted Zn-spinel ferrite nanoparticles for gas sensor applications. Sensors and Actuators B: Chemical, 2020, 316, 128127.	4.0	27
81	Large tunneling magnetoresistance in octahedral Fe3O4 nanoparticles. AIP Advances, 2016, 6, .	0.6	26
82	Study of structural and magnetic properties of Liâ€“Ni nanoferrites synthesized by citrate-gel auto combustion method. Ceramics International, 2016, 42, 2941-2950.	2.3	26
83	Quantification of site disorder and its role on spin polarization in the nearly half-metallic Heusler alloy NiFeMnSn. Physical Review B, 2016, 94, .	1.1	25
84	Biocompatible suspension of nanosized Î³â€²Fe2O3 synthesized by novel methods. Journal of Applied Physics, 2005, 97, 10Q903.	1.1	24
85	Investigation of structural, dielectric, magnetic and antibacterial activity of Cuâ€“Cdâ€“Niâ€“FeO4 nanoparticles. Journal of Magnetism and Magnetic Materials, 2013, 341, 148-157.	1.0	24
86	Evidence for the Existence of Oxygen Clustering and Understanding of Structural Disorder in Prussian Blue Analogues Molecular Magnet M_{1.5}[Cr(CN)₆]Â·zH₂O (M = Fe and Co): Reverse Monte Carlo Simulation and Neutron Diffraction Study. Journal of Physical Chemistry C, 2013, 117, 2676-2687.	1.5	24
87	Immobilization of crystalline Fe2O3 nanoparticles over SiO2 for creating an active and stable catalyst: A demand for high temperature sulfuric acid decomposition. Applied Catalysis B: Environmental, 2021, 283, 119610.	10.8	24
88	Nanoscale-driven structural changes and associated superparamagnetism in magnetically diluted Niâ€“Zn ferrites. Materials Chemistry Frontiers, 2018, 2, 300-312.	3.2	23
89	Enhanced electrical, magnetic and optical behaviour of Cr doped Bi0.98Ho0.02FeO3 nanoparticles. Journal of Alloys and Compounds, 2019, 796, 229-236.	2.8	23
90	Glauconite authigenesis during the onset of the Paleocene-Eocene Thermal Maximum: A case study from the Khuiala Formation in Jaisalmer Basin, India. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 571, 110388.	1.0	23

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91	Phase separations inLa0.7â^'xDyxCa0.3Mn(Fe)O3. Physical Review B, 2005, 71, .	1.1	22
92	Magnetic proximity effect in ferrimagneticâ€“ferromagnetic coreâ€“shell Prussian blue analogues molecular magnet. Chemical Physics Letters, 2016, 651, 155-160.	1.2	22
93	Structural investigations on Mo, Cs and Ba ions-loaded iron phosphate glass for nuclear waste storage application. Journal of Alloys and Compounds, 2021, 850, 156715.	2.8	22
94	Influence of Ni2+ substitution on the structural, dielectric and magnetic properties of Cuâ€“Cd ferrite nanoparticles. Journal of Alloys and Compounds, 2013, 573, 198-204.	2.8	21
95	Quaternary ammonium bearing hyper-crosslinked polymer encapsulation on Fe₃O₄ nanoparticles. RSC Advances, 2016, 6, 21317-21325.	1.7	21
96	Study of Higher Discharge Capacity, Phase Transition, and Relative Structural Stability in Li₂FeSiO₄ Cathode upon Lithium Extraction Using an Experimental and Theoretical Approach and Full Cell Prototype Study. ACS Applied Energy Materials, 2019, 2, 6584-6598.	2.5	21
97	Study of structural, vibrational, elastic and magnetic properties of uniaxial anisotropic Ni-Zn nanoferrites in the context of cation distribution and magnetocrystalline anisotropy. Journal of Alloys and Compounds, 2021, 873, 159748.	2.8	21
98	Transport and magnetic properties of Fe doped CaMnO3. Journal of Applied Physics, 2012, 112, .	1.1	20
99	A facile gel-combustion route for fine particle synthesis of spinel ferrichromite: X-ray and MÃ¶ssbauer study on effect of Mg and Ni content. Materials Research Bulletin, 2014, 50, 172-177.	2.7	20
100	Superparamagnetic behavior of indium substituted NiCuZn nano ferrites. Journal of Magnetism and Magnetic Materials, 2015, 381, 416-421.	1.0	20
101	Anisotropy and domain state dependent enhancement of single domain ferrimagnetism in cobalt substituted Niâ€“Zn ferrites. New Journal of Chemistry, 2016, 40, 9275-9284.	1.4	20
102	Structural phases and Maxwellâ€“Wagner relaxation in magnetically soft-ZnFe2O4 and hard-Sr2Cu2Fe12O22 nanocomposites. Ceramics International, 2016, 42, 2289-2298.	2.3	20
103	Optimization of lithium content in LiFePO₄ for superior electrochemical performance: the role of impurities. RSC Advances, 2018, 8, 1140-1147.	1.7	20
104	High Mg-glauconite in the Campanian Duwi Formation of Abu Tartur Plateau, Egypt and its implications. Journal of African Earth Sciences, 2019, 156, 12-25.	0.9	20
105	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.	1.6	20
106	Synthesis of CoFe Prussian blue analogue/poly vinylidene fluoride nanocomposite material with improved thermal stability and ferroelectric properties. New Journal of Chemistry, 2018, 42, 4567-4578.	1.4	19
107	Stability of ferroelectric phases and magnetoelectric response in multiferroic (1-x)Bi(Ni1/2Ti1/2)O3-PbTiO3/xNi0.6Zn0.4Fe2O4 particulate composites. Ceramics International, 2019, 45, 23013-23021.	2.3	19
108	Multiferroic properties and MÃ¶ssbauer Study of M-type hexaferrite PbFe12O19 synthesized by the high energy ball milling. Materials Characterization, 2021, 177, 111168.	1.9	18

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109	BaTiO3/(Co0.8Ni0.1Mn0.1Fe1.9Ce0.1O4) composites: Analysis of the effect of Co0.8Ni0.1Mn0.1Fe1.9Ce0.1O4 doping at different concentrations on the structural, morphological, optical, magnetic, and magnetoelectric coupling properties of BaTiO3. Ceramics International, 2022, 48, 30499-30509.	2.3	18
110	Rietveld refinement and FTIR spectroscopic studies of Ni2+-substituted Zn-ferrite nanoparticles. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	17
111	Effect of cobalt-doping on dielectric, magnetic and optical properties of BiFeO3 nanocrystals synthesized by sol â€“ gel technique. Solid State Sciences, 2020, 102, 106168.	1.5	17
112	Hydrothermally synthesized oxalate and phenanthroline based ferrimagnetic one-dimensional spin chain molecular magnets [{Fe(Î”)Fe(Î›)}1â^'x{Cr(Î”)Cr(Î›)}x(ox)2(phen)2]n (x = 0, 0.1 and 0.5) with giant coercivity of 3.2 Tesla. Journal of Materials Chemistry C, 2013, 1, 6637.	2.7	16
113	Magnetic and dielectric behavior in YMn1â^'xFexO3 (xâ€‰â‰¤â€‰0.5). Journal of Applied Physics, 2014, 115, 213911.	2.5	16
114	Effects of sintering temperature on microstructure, initial permeability and electric behaviour of Ni-Mn-Zn ferrites. Materials Chemistry and Physics, 2022, 275, 125250.	2.0	16
115	Investigation of magnetic properties for Hf4+ substituted CeO2 nanoparticles for spintronic applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 10614-10623.	1.1	15
116	Effect of non-stoichiometry in lead hexaferrites on magnetic and dielectric properties. Materials Chemistry and Physics, 2018, 220, 137-148.	2.0	15
117	Magnetic field regulated, controlled hyperthermia with Li Fe3-O4 (0.06 â‰¤ x â‰¤ 0.3) nanoparticles. Ceramics International, 2019, 45, 12028-12034.	2.3	15
118	Magnetic nanocomposites of Fe3C or Ni-substituted (Fe3C/Fe3O4) with carbon for degradation of methylene orange and p-nitrophenol. Journal of Cleaner Production, 2021, 309, 127372.	4.6	15
119	Investigation of structural and magnetic properties of La doped Coâ€“Mn ferrite nanoparticles in the presence of Î±-Fe2O3 phase. Solid State Communications, 2022, 342, 114629.	0.9	15
120	Influence of Au addition on magnetic properties of iron oxide in a silicaâ€“phosphate glass matrix. Journal of Magnetism and Magnetic Materials, 2013, 345, 24-28.	1.0	14
121	Stabilization of the spin density wave structure with rare earth substitution in Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /></mml:	1.1	14
122	AC magnetic field regulated in-vivo switch of Hf-substituted magnetite (Hf Fe3â^'O4, 0.01Ââ‰ÂxÂâ‰Â0.8) nanoparticles. Journal of Alloys and Compounds, 2016, 688, 219-227.	2.8	14
123	Effect of Copper Substitution on the Structural, Magnetic, and Dielectric Properties of M-Type Lead Hexaferrite. Journal of Electronic Materials, 2020, 49, 6024-6039.	1.0	14
124	Physical and in-vitro evaluation of Ïµ-Fe3N@Fe3O4 nanoparticles for bioapplications. Ceramics International, 2020, 46, 10952-10962.	2.3	14
125	Influence of Mn Substitution on MÃ¶ssbauer and Magnetic Properties of Ni-Zn Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3241-3246.	0.8	13
126	Influence of addition of Al3+ on the structural and solid state properties of nanosized Niâ€“Zn ferrites synthesized using malic acid as a novel fuel. Journal of Alloys and Compounds, 2020, 842, 155855.	2.8	13

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127	Tailoring magnetic and dielectric properties of SrFe12O19/NiFe2O4 ferrite nanocomposites synthesized in presence of Calotropis gigantea (crown) flower extract. Journal of Alloys and Compounds, 2022, 900, 163415.	2.8	13
128	Magnetic and electric properties of nanoparticles of Ni-substituted ferrites synthesized using a microwave refluxing process. International Journal of Materials Research, 2013, 104, 680-685.	0.1	12
129	Assembled diglycolamide for f-element ions sequestration at high acidity. Reactive and Functional Polymers, 2014, 74, 52-57.	2.0	12
130	One-Dimensional Single-Chain Molecular Magnet with a Cross-Linked Ï€â€“Ï€ Coordination Network [{Co^{II}(Î¼)Co^{II}(Î¼)}(ox)₂(phen)₂]_n. Journal of Physical Chemistry C, 2014, 118, 1864-1872.	1.5	12
131	Revealing structural distortion and dielectric relaxation in Ga1â^'Sc FeO3 (0â‰¤xâ‰¤0.3). Journal of Magnetism and Magnetic Materials, 2016, 417, 165-174.	1.0	12
132	Synthesis and structural characterization of Co_xFe_{3â^'x}C (0 â‰¤ x â‰¤ 0.3) magnetic nanoparticles for biomedical applications. New Journal of Chemistry, 2019, 43, 3536-3544.	1.4	12
133	Structural and electrochemical investigation of binary Na2Fe1-xZnxP2O7 (0 â‰¤ x â‰¤ 1) pyrophosphate cathodes for sodium-ion batteries. Journal of Solid State Chemistry, 2019, 277, 329-336.	1.4	12
134	Structural and electrochemical performance studies for nanocomposites of carbon with Fe3C or Mn-Substituted (Fe3C/Fe3O4) as anodes for Li-batteries. Applied Surface Science, 2020, 533, 147474.	3.1	12
135	Evaluation of Structural, Micro-structural, Vibrational and Elastic Properties of Niâ€“Cuâ€“Zn Nanoferrites: Role of Dopant Cu2+ at Constant 0.1 mol% in Niâ€“Zn Spinel Structure. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1336-1346.	1.9	12
136	Preparation of cellulose-based biocompatible suspension of nano-sized /spl gamma/-Al/sub x/Fe/sub 2-x/O/sub 3/. IEEE Transactions on Magnetics, 2005, 41, 4099-4101.	1.2	11
137	Hydrogen absorption characteristics and MÃ¶ssbauer spectroscopic study of Ti0.67Nb0.33â^'xFex (x=0.00,) Tj ETQq1 1 0.784314 rgBT	2.8	11
138	Preparation, Electrical and Magnetic Properties of Poly(m-phenylenediamine)/ZnFe2O4 Nanocomposites. Journal of Superconductivity and Novel Magnetism, 2018, 31, 497-504.	0.8	11
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