

Sher Singh Meena

List of Publications by Year in descending order

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228
papers

6,179
citations

57631

44
h-index

102304

66
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all docs

229
docs citations

229
times ranked

5061
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of sintering temperature on microstructure, initial permeability and electric behaviour of Ni-Mn-Zn ferrites. <i>Materials Chemistry and Physics</i> , 2022, 275, 125250.	2.0	16
2	Investigation of structural and magnetic properties of La doped Co ²⁺ /Mn ferrite nanoparticles in the presence of La^{3+} -Fe ₂ O ₃ phase. <i>Solid State Communications</i> , 2022, 342, 114629.	0.9	15
3	Tailoring magnetic and dielectric properties of SrFe ₁₂ O ₁₉ /NiFe ₂ O ₄ ferrite nanocomposites synthesized in presence of <i>Calotropis gigantea</i> (crown) flower extract. <i>Journal of Alloys and Compounds</i> , 2022, 900, 163415.	2.8	13
4	MnFe ₂ O ₄ nano-flower: A prospective material for bimodal hyperthermia. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163192.	2.8	7
5	Characterization study and recovery of copper from low grade copper ore through hydrometallurgical route. <i>Advanced Powder Technology</i> , 2022, 33, 103382.	2.0	5
6	Size dependent electronic structure of LiFePO ₄ probed using X-ray absorption and Mössbauer spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9695-9706.	1.3	2
7	Aqueous spray-drying synthesis of alluaudite Na ₂ +2xFe ₂ ~x(SO ₄) ₃ sodium insertion material: studies of electrochemical activity, thermodynamic stability, and humidity-induced phase transition. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 1941-1950.	1.2	5
8	Magnetic, Dielectric and Ethanol Gas Sensing Properties of Poly(o-phenylenediamine)/(MnNi)Fe ₂ O ₄ Nanocomposites and Quantum Chemical Calculations of (MnNi)Fe ₂ O ₄ . <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2173-2191.	1.9	3
9	Green synthesis based X-type Ba ²⁺ /Zn Hexaferrites: Their structural, Hysteresis, Mössbauer, dielectric and electrical properties. <i>Materials Chemistry and Physics</i> , 2022, 282, 125914.	2.0	7
10	Shielding performance of Mn Ni _{0.8} ~Zn _{0.2} Fe ₂ O ₄ (0.1~0.7) for electromagnetic interference (EMI) in X-band frequency. <i>Ceramics International</i> , 2022, 48, 9987-9997.	2.3	9
11	Synthesis, structural characterization and biological studies of Ni(II), Cu(II) and Fe(III) complexes of hydrazone derived from 2-(2-(2,2-dimethyl-4,6-dioxo-1,3-dioxan-5-ylidene)hydrazinyl)benzoic acid. <i>Inorganica Chimica Acta</i> , 2022, 536, 120919.	1.2	9
12	Paleoenvironmental Conditions during the Paleocene~Eocene Transition Imprinted within the Glauconitic Giral Member of the Barmer Basin, India. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 56.	0.8	6
13	Spontaneous exchange bias in high energy ball milled MnBi alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 557, 169478.	1.0	8
14	Plasma polymerized functional supermagnetic Fe ₃ O ₄ nanostructured templates for laccase immobilization: A robust catalytic system for bio-inspired dye degradation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 82524-82540.	2.7	6
15	BaTiO ₃ /(Co _{0.8} Ni _{0.1} Mn _{0.1} Fe _{1.9} Ce _{0.1} O ₄) composites: Analysis of the effect of Co _{0.8} Ni _{0.1} Mn _{0.1} Fe _{1.9} Ce _{0.1} O ₄ doping at different concentrations on the structural, morphological, optical, magnetic, and magnetoelectric coupling properties of BaTiO ₃ . <i>Ceramics International</i> , 2022, 48, 30499-30509.	2.3	18
16	Design and development of Ga-substituted Z-type hexaferrites for microwave absorber applications: Mössbauer, static and dynamic properties. <i>Ceramics International</i> , 2021, 47, 1145-1162.	2.3	29
17	Structural investigations on Mo, Cs and Ba ions-loaded iron phosphate glass for nuclear waste storage application. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156715.	2.8	22
18	Evaluation of Structural, Micro-structural, Vibrational and Elastic Properties of Ni ²⁺ /Cu ²⁺ /Zn Nanoferrites: Role of Dopant Cu ²⁺ at Constant 0.1 mol% in Ni ²⁺ /Zn Spinel Structure. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1336-1346.	1.9	12

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19	Immobilization of crystalline Fe ₂ O ₃ nanoparticles over SiO ₂ for creating an active and stable catalyst: A demand for high temperature sulfuric acid decomposition. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119610.	10.8	24
20	Surface engineered Tb and Co co-doped BiFeO ₃ nanoparticles for enhanced photocatalytic and magnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7956-7972.	1.1	9
21	Insight into structural aspects and study of reaction kinetics of model [oxo(salen)iron(IV)] complexes with dipeptides. <i>Polyhedron</i> , 2021, 196, 114952.	1.0	0
22	Physical and in-vitro evaluation of pure and substituted MxCe _{1-x} O ₂ (M = Co, Fe or Ti and x = 0.05) magnetic nanoparticles. <i>Ceramics International</i> , 2021, 47, 8812-8819.	2.3	0
23	Study of Magnetic and Electrical Properties of Poly(o-phenylenediamine)/Manganese Substituted ZnFe ₂ O ₄ Nanocomposites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3441-3459.	1.9	3
24	Structural and magnetic properties of ordered inverse spinel Li Fe ₅ O ₈ . <i>Journal of Alloys and Compounds</i> , 2021, 865, 158849.	2.8	1
25	Glauconite authigenesis during the onset of the Paleocene-Eocene Thermal Maximum: A case study from the Khuijala Formation in Jaisalmer Basin, India. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 571, 110388.	1.0	23
26	Influence of samarium doping on structural, elastic, magnetic, dielectric, and electrical properties of nanocrystalline cobalt ferrite. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	31
27	Multiferroic properties and Mössbauer Study of M-type hexaferrite PbFe ₁₂ O ₁₉ synthesized by the high energy ball milling. <i>Materials Characterization</i> , 2021, 177, 111168.	1.9	18
28	Studies on the uranium speciation in zinc iron phosphate (ZnIP) glass using Mössbauer and EXAFS spectroscopic investigations. <i>Ceramics International</i> , 2021, 47, 18323-18329.	2.3	1
29	Ti ₂ -Doped Ni _{0.4} Cu _{0.3} Zn _{0.3} Fe ₂ O ₄ Nanoparticles for Enhanced Structural and Magnetic Properties. <i>ACS Omega</i> , 2021, 6, 17931-17940.	1.6	20
30	Magnetic nanocomposites of Fe ₃ C or Ni-substituted (Fe ₃ C/Fe ₃ O ₄) with carbon for degradation of methylene orange and p-nitrophenol. <i>Journal of Cleaner Production</i> , 2021, 309, 127372.	4.6	15
31	Study of structural, vibrational, elastic and magnetic properties of uniaxial anisotropic Ni-Zn nanoferrites in the context of cation distribution and magnetocrystalline anisotropy. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159748.	2.8	21
32	Impact of annealing temperature on structural, optical, and Mössbauer properties of nanocrystalline NiFe ₂ O ₄ . <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 27232-27242.	1.1	2
33	⁵⁷ Fe ₂ O ₃ nanoflowers as efficient magnetic hyperthermia and photothermal agent. <i>Applied Surface Science</i> , 2021, 560, 150025.	3.1	36
34	Preparation of silica xerogel beads embedded with Fe ₂ O ₃ nanoparticles and their characterization. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	2
35	Structural and magnetic properties of nanocrystalline equi-atomic spinel high-entropy oxide (AlCoFeMnNi) ₃ O ₄ synthesised by microwave assisted co-precipitation technique. <i>Journal of Alloys and Compounds</i> , 2021, 878, 160269.	2.8	31
36	Effect on the structure and stability of iron phosphate glass with Sb and Te-ion loading for nuclear waste storage application. <i>Journal of Non-Crystalline Solids</i> , 2021, 570, 121016.	1.5	10

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37	Synthesis, characterization & biological studies of Mn(II), Fe(III) and Co(II) complexes of (Z)-1, 5-dimethyl-4-(2-(2-oxopropylidene) hydrazinyl)-2-phenyl-1H-pyrazol-3(2H)-one. Journal of Molecular Structure, 2020, 1201, 127110.	1.8	10
38	Investigation on structural, hysteresis, Mössbauer properties and electrical parameters of lightly Erbium substituted X-type Ba ₂ Co ₂ Er Fe ₂₈ O ₄₆ hexaferrites. Ceramics International, 2020, 46, 8209-8226.	2.3	27
39	Investigation of structural, magnetic and dielectric properties of gallium substituted Z-type Sr ₃ Co ₂ -Ga Fe ₂₄ O ₄₁ hexaferrites for microwave absorbers. Journal of Alloys and Compounds, 2020, 822, 153470.	2.8	30
40	Structural and in-vitro assessment of Zn Fe ₃ C (0Å%ÅxÅ%Å1) nanoparticles as magnetic biomaterials. Applied Surface Science, 2020, 509, 144891.	3.1	10
41	Structural and electrochemical performance studies for nanocomposites of carbon with Fe ₃ C or Mn-Substituted (Fe ₃ C/Fe ₃ O ₄) as anodes for Li-batteries. Applied Surface Science, 2020, 533, 147474.	3.1	12
42	Magnetic, electrical and gas sensing properties of poly(o-phenylenediamine)/MnCoFe ₂ O ₄ nanocomposites. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	10
43	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
44	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
45	Ferromagnetic Bismuth-Substituted CeO ₂ Nanostructures and Prevalence of Antiferromagnetic Clusters. Journal of Superconductivity and Novel Magnetism, 2020, 33, 3941-3947.	0.8	7
46	Physical and in vitro evaluation of ultra-fine cohenite particles for the prospective magnetic hyperthermia application. Journal of Materials Science: Materials in Electronics, 2020, 31, 10772-10782.	1.1	5
47	Effect of crystallite size on the phase transition behavior of heterosite FePO ₄ . Physical Chemistry Chemical Physics, 2020, 22, 15478-15487.	1.3	6
48	Influence of addition of Al ³⁺ on the structural and solid state properties of nanosized Ni ²⁺ /Zn ferrites synthesized using malic acid as a novel fuel. Journal of Alloys and Compounds, 2020, 842, 155855.	2.8	13
49	Influence of Co ⁴⁺ -Ca ²⁺ substitution on structural, microstructure, magnetic, electrical and impedance characteristics of M-type barium-strontium hexagonal ferrites. Ceramics International, 2020, 46, 24816-24830.	2.3	36
50	Physical and in-vitro evaluation of μ-Fe ₃ N@Fe ₃ O ₄ nanoparticles for bioapplications. Ceramics International, 2020, 46, 10952-10962.	2.3	14
51	Study of magnetic behavior in co-precipitated Ni ²⁺ /Zn ferrite nanoparticles and their potential use for gas sensor applications. Journal of Magnetism and Magnetic Materials, 2020, 502, 166534.	1.0	58
52	Structural, optical, elastic and magnetic properties of Ce and Dy doped cobalt ferrites. Journal of Alloys and Compounds, 2020, 834, 155089.	2.8	43
53	Studies of structural, magnetic and dielectric properties of X-type Barium Zinc hexaferrite Ba ₂ Zn ₂ Fe ₂₈ O ₄₆ 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
54	Effect of cobalt-doping on dielectric, magnetic and optical properties of BiFeO ₃ nanocrystals synthesized by sol-gel technique. Solid State Sciences, 2020, 102, 106168.	1.5	17

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55	Evaluation of structural and dielectric properties of Mn ²⁺ -substituted Zn-spinel ferrite nanoparticles for gas sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128127.	4.0	27
56	Process hybridization for nuclear effluent treatment. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
57	Morphological and chromatographical characterization of RAD-effluent trammelled resin. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
58	Effect of synthesis temperature on magnetization and properties of Y-Fe-garnet. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
59	Structural and Mössbauer spectroscopic studies of Mn-substituted Cu-ferrite nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
60	Study of Higher Discharge Capacity, Phase Transition, and Relative Structural Stability in Li ₂ FeSiO ₄ Cathode upon Lithium Extraction Using an Experimental and Theoretical Approach and Full Cell Prototype Study. <i>ACS Applied Energy Materials</i> , 2019, 2, 6584-6598.	2.5	21
61	Fine particle effects on the magnetic behaviour of Mn ²⁺ -substituted Zn ²⁺ -ferrite nanoparticles. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
62	Facile single phase synthesis of Sr, Co co-doped BiFeO ₃ nanoparticles for boosting photocatalytic and magnetic properties. <i>Applied Surface Science</i> , 2019, 493, 593-604.	3.1	42
63	Rietveld refinement and FTIR spectroscopic studies of Ni ²⁺ -substituted Zn-ferrite nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	17
64	Zr-substituted cobalt oxide nanoparticles: structural, magnetic and electrical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20088-20098.	1.1	6
65	Characterization and performance of nuclear plant floor washed effluent treated resin. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
66	Effect of precursors on the structural, magnetic, dielectric, microwave and electromagnetic properties of Co ²⁺ -Zr doped nanocrystalline strontium hexaferrites synthesized via sol-gel method. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	5
67	Stability of ferroelectric phases and magnetoelectric response in multiferroic (1-x)Bi(Ni _{1/2} Ti _{1/2})O ₃ -PbTiO ₃ /xNi _{0.6} Zn _{0.4} Fe ₂ O ₄ particulate composites. <i>Ceramics International</i> , 2019, 45, 23013-23021.	2.3	19
68	Synthesis and structural characterization of Co _x Fe _{3-x} C (0 ≤ x ≤ 0.3) magnetic nanoparticles for biomedical applications. <i>New Journal of Chemistry</i> , 2019, 43, 3536-3544.	1.4	12
69	Structural and electrochemical investigation of binary Na ₂ Fe _{1-x} Zn _x P ₂ O ₇ (0 ≤ x ≤ 1) pyrophosphate cathodes for sodium-ion batteries. <i>Journal of Solid State Chemistry</i> , 2019, 277, 329-336.	1.4	12
70	Magnetic and dielectric properties of Zn substituted cobalt oxide nanoparticles. <i>Ceramics International</i> , 2019, 45, 16512-16520.	2.3	31
71	Enhanced electrical, magnetic and optical behaviour of Cr doped Bi _{0.98} Ho _{0.02} FeO ₃ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2019, 796, 229-236.	2.8	23
72	Enhanced dielectric, magnetic and optical properties of Cr-doped BiFeO ₃ multiferroic nanoparticles synthesized by sol-gel route. <i>Results in Physics</i> , 2019, 13, 102299.	2.0	50

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73	High Mg-glaucanite in the Campanian Duwi Formation of Abu Tartur Plateau, Egypt and its implications. <i>Journal of African Earth Sciences</i> , 2019, 156, 12-25.	0.9	20
74	Synthesis of exchange coupled nanoflowers for efficient magnetic hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 484, 437-444.	1.0	31
75	Magnetic field regulated, controlled hyperthermia with Li Fe ₃ O ₄ (0.06 at% x at% 0.3) nanoparticles. <i>Ceramics International</i> , 2019, 45, 12028-12034.	2.3	15
76	Fe ₃ C nanoparticles for magnetic hyperthermia application. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 481, 251-256.	1.0	51
77	Mineralogical studies of low grade iron ore from Bellary-Hospet region, India. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
78	Structural and magnetic properties of CuFe ₂ O ₄ ferrite nanoparticles synthesized by cow urine assisted combustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 484, 120-125.	1.0	69
79	Sustainable preparation of sunlight active Fe ₂ O ₃ nanoparticles using iron containing ionic liquids for photocatalytic applications. <i>RSC Advances</i> , 2019, 9, 41803-41810.	1.7	11
80	Formation of non-alloyed Ti/Al/Ni/Au low-resistance ohmic contacts on reactively ion-etched n-type GaN by surface treatment for GaN light-emitting diodes applications. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	6
81	XRD, EDX, FTIR and ESR spectroscopic studies of co-precipitated Mn ²⁺ substituted Zn ²⁺ ferrite nanoparticles. <i>Ceramics International</i> , 2019, 45, 8037-8044.	2.3	93
82	Mössbauer Study and Curie Temperature Configuration on Sintering Nano-Ni-Zn Ferrite Powder. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 2141-2147.	0.8	8
83	Investigation of magnetic properties for Hf ⁴⁺ substituted CeO ₂ nanoparticles for spintronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 10614-10623.	1.1	15
84	Mn-substituted cerium oxide nanostructures and their magnetic properties. <i>Materials Research Bulletin</i> , 2018, 104, 65-71.	2.7	9
85	Mössbauer spectroscopic study of cobalt hexacyanoferrate nanoparticles: Effect of hydrogenation. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
86	Controlled synthesis and enhanced tunnelling magnetoresistance in oriented Fe ₃ O ₄ nanorod assemblies. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 085002.	1.3	27
87	Synthesis of CoFe Prussian blue analogue/poly vinylidene fluoride nanocomposite material with improved thermal stability and ferroelectric properties. <i>New Journal of Chemistry</i> , 2018, 42, 4567-4578.	1.4	19
88	Influence of Mg substitution on structural, magnetic and dielectric properties of X-type barium zinc hexaferrites Ba ₂ Zn _{2-x} Mg _x Fe ₂₈ O ₄₆ . <i>Journal of Alloys and Compounds</i> , 2018, 741, 377-391.	2.8	100
89	Optimization of lithium content in LiFePO ₄ for superior electrochemical performance: the role of impurities. <i>RSC Advances</i> , 2018, 8, 1140-1147.	1.7	20
90	Zn _x Fe _{3-x} O ₄ (0.01 at% x at% 0.8) nanoparticles for controlled magnetic hyperthermia application. <i>New Journal of Chemistry</i> , 2018, 42, 7144-7153.	1.4	55

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91	Preparation, Electrical and Magnetic Properties of Poly(m-phenylenediamine)/ZnFe ₂ O ₄ Nanocomposites. Journal of Superconductivity and Novel Magnetism, 2018, 31, 497-504.	0.8	11
92	High temperature dielectric studies of indium-substituted NiCuZn nanoferrites. Journal of Physics and Chemistry of Solids, 2018, 112, 29-36.	1.9	34
93	Structural and magnetic investigations: Study of magnetocrystalline anisotropy and magnetic behavior of 0.1% Cu ²⁺ substituted Ni ²⁺ /Zn ferrite nanoparticles. Ceramics International, 2018, 44, 1193-1200.	2.3	28
94	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
95	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
96	Catalytic properties of dispersed iron oxides Fe ₂ O ₃ /MO ₂ (M=Zr, Ce, Ti and Si) for sulfuric acid decomposition reaction: Role of support. International Journal of Hydrogen Energy, 2018, 43, 37-52.	3.8	47
97	Nanoscale-driven structural changes and associated superparamagnetism in magnetically diluted Ni ²⁺ /Zn ferrites. Materials Chemistry Frontiers, 2018, 2, 300-312.	3.2	23
98	Pre-concentration technique for reduction in analytical instrument requirement and analysis. AIP Conference Proceedings, 2018, . .	0.3	1
99	Structural, magnetic and dielectric properties of Co-Zr substituted M-type calcium hexagonal ferrite nanoparticles in the presence of γ -Fe ₂ O ₃ phase. Ceramics International, 2018, 44, 17812-17823.	2.3	131
100	Structural and electron spin resonance spectroscopic studies of Mn Zn ^{1-x} Fe ₂ O ₄ (x=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
101	DPASV analytical technique for ppb level uranium analysis. AIP Conference Proceedings, 2018, . .	0.3	3
102	Cobalt substituted nickel ferrites via Pechini's sol-gel citrate route: X-band electromagnetic characterization. Journal of Magnetism and Magnetic Materials, 2018, 466, 430-445.	1.0	109
103	Synthesis, Spectral and Biological Studies of Complexes with Bidentate Azodye Ligand Derived from Resorcinol and 1-Amino-2-Naphthol-4-Sulphonic Acid. Oriental Journal of Chemistry, 2018, 34, 45-54.	0.1	10
104	Quantification of charge carriers participating antiferromagnetic to weak ferromagnetic phase transition in Na doped LaFeO ₃ nano multiferroics. Journal of Applied Physics, 2018, 124, 084102.	1.1	9
105	Effect of non-stoichiometry in lead hexaferrites on magnetic and dielectric properties. Materials Chemistry and Physics, 2018, 220, 137-148.	2.0	15
106	Structural and Mössbauer analysis of pure and Ce-Dy doped cobalt ferrite nanoparticles. AIP Conference Proceedings, 2018, . .	0.3	0
107	The distinctive compositional evolution of glauconite in the Cretaceous Ukra Hill Member (Kutch) Tj ETQq1 1 0.784314 rgBT /Overlo	1.5	49
108	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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109	Room temperature ferroelectricity in one-dimensional single chain molecular magnets $[M^{(a)}M^{(b)}(ox)_2(phen)_2]_n$ ($M^{(a)}=Fe$ and Mn). Applied Physics Letters, 2017, 110, 102901.	1.5	8
110	Stabilization of temperature during magnetic hyperthermia by Ce substituted magnetite nanoparticles. Journal of Magnetism and Magnetic Materials, 2017, 434, 181-186.	1.0	61
111	Enabling the Electrochemical Activity in Sodium Iron Metaphosphate $[NaFe(PO_3)_3]_3$ Sodium Battery Insertion Material: Structural and Electrochemical Insights. Inorganic Chemistry, 2017, 56, 5918-5929.	1.9	29
112	Influence of Mn Substitution on Mössbauer and Magnetic Properties of Ni-Zn Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3241-3246.	0.8	13
113	Investigation of Resistivity, Magnetic Susceptibility and Dielectric Properties of Nanocrystalline Ni-Mn-Zn Ferrites. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1287-1292.	0.8	6
114	Nanostructured Fe ₂ O ₃ dispersed on SiO ₂ as catalyst for high temperature sulfuric acid decomposition—Structural and morphological modifications on catalytic use and relevance of Fe ₂ O ₃ -SiO ₂ interactions. Applied Catalysis B: Environmental, 2017, 217, 154-168.	10.8	65
115	Structural and magnetic properties of Cr doped BiFeO ₃ multiferroic nanoparticles. AIP Conference Proceedings, 2017, , .	0.3	1
116	Investigation of cation distribution and magnetocrystalline anisotropy of Ni _x Cu _{0.1} Zn _{0.9-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
117	Effect of Cu ²⁺ substitution on the magnetic properties of co-precipitated Ni-Cu-Zn ferrite nanoparticles. AIP Conference Proceedings, 2017, , .	0.3	1
118	Electrical and magnetic properties of poly(m-phenylenediamine)/NiFe ₂ O ₄ nanocomposites. Journal of Materials Science: Materials in Electronics, 2017, 28, 15754-15761.	1.1	10
119	Elucidation of phase evolution, microstructural, Mössbauer and magnetic properties of Co ²⁺ /Al ³⁺ doped M-type Ba Sr hexaferrites synthesized by a ceramic method. Journal of Alloys and Compounds, 2017, 695, 1112-1121.	2.8	86
120	The effect of Mn on the structural and magnetic behaviour of Fe ₆ Si ₈ B alloy produced by high energy ball Milling. Transactions of the Indian Institute of Metals, 2017, 70, 1431-1436.	0.7	3
121	Characterization of Nano-Particle Co _{1-x} Zn _x Fe ₂ O ₄ Synthesized Using Aloe Vera Gel. Journal of Superconductivity and Novel Magnetism, 2017, 30, 395-399.	0.8	1
122	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
123	Electrical resistivity and Mössbauer studies of Cr substituted Co nano ferrites. Journal of Alloys and Compounds, 2017, 694, 366-374.	2.8	41
124	SEM, magnetization and Mössbauer spectroscopic characterization of Fe-U sequestration. AIP Conference Proceedings, 2017, , .	0.3	4
125	Structural, Conductivity, and Dielectric Properties of Co _{0.5} Mg _{0.5} La _{0.1} Fe _{1.9} O ₄ Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2813-2819.	0.8	5
126	AC magnetic field regulated in-vivo switch of Hf-substituted magnetite (Hf Fe _{3-x} O ₄ , 0.01 ≤ x ≤ 0.8) nanoparticles. Journal of Alloys and Compounds, 2016, 688, 219-227.	2.8	14

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127	Superparamagnetic behavior of heat treated Mg _{0.5} Zn _{0.5} Fe ₂ O ₄ ferrite nanoparticles studied by Mössbauer spectroscopy. AIP Conference Proceedings, 2016, , .	0.3	2
128	Structural and magnetic properties of Prussian blue analogue molecular magnet Fe _{1.5} [Cr(CN) ₆]·mH ₂ O. AIP Conference Proceedings, 2016, , .	0.3	4
129	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
130	Magnetic proximity effect in ferrimagnetic-ferromagnetic core-shell Prussian blue analogues molecular magnet. Chemical Physics Letters, 2016, 651, 155-160.	1.2	22
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