

Sagar E Shirsath

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

270 papers	7,267 citations	49 h-index	69 g-index
288 ext. papers	8,903 ext. citations	3.9 avg, IF	6.34 L-index

#	Paper	IF	Citations
270	Structure, magnetoelectric, and anticancer activities of core-shell $\text{Co}_0.8\text{Mn}_{0.2}\text{R}_{0.02}\text{Fe}_{1.98}\text{O}_4/\text{BaTiO}_3$ nanocomposites (R = Ce, Eu, Tb, Tm, or Gd). <i>Ceramics International</i> , 2022 ,	5.1	3
269	Impact of Sm and Er Cations on the Structural, Optical, and Magnetic Traits of Spinel Cobalt Ferrite Nanoparticles: Comparison Investigation.. <i>ACS Omega</i> , 2022 , 7, 6292-6301	3.9	3
268	Investigation of structural and magnetic properties of La doped CoMn ferrite nanoparticles in the presence of Fe_2O_3 phase. <i>Solid State Communications</i> , 2022 , 342, 114629	1.6	1
267	Tailoring magnetic and dielectric properties of $\text{SrFe}_{12}\text{O}_{19}/\text{NiFe}_2\text{O}_4$ ferrite nanocomposites synthesized in presence of Calotropis gigantea (crown) flower extract. <i>Journal of Alloys and Compounds</i> , 2022 , 900, 163415	5.7	0
266	MnFe_2O_4 nano-flower: A prospective material for bimodal hyperthermia. <i>Journal of Alloys and Compounds</i> , 2022 , 899, 163192	5.7	1
265	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	4.4	1
264	Investigation on the structural, optical, and magnetic features of Dy^{3+} and Y^{3+} co-doped $\text{Mn}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ spinel ferrite nanoparticles. <i>Journal of Molecular Structure</i> , 2022 , 1248, 131412	3.4	4
263	Green synthesis based X-type BaMn Hexaferrites: Their structural, Hysteresis, Mössbauer, dielectric and electrical properties. <i>Materials Chemistry and Physics</i> , 2022 , 282, 125914	4.4	0
262	Effect of Bi^{3+} ions substitution on the structure, morphology, and magnetic properties of CoNi spinel ferrite nanofibers. <i>Materials Chemistry and Physics</i> , 2022 , 284, 126071	4.4	0
261	Sonochemical synthesis of $\text{Mn}_{0.5}\text{Zn}_{0.5}\text{Er}_x\text{Dy}_{2-x}\text{Fe}_2\text{O}_4$ ($x=0.1$) spinel nanoferrites: Magnetic and textural investigation. <i>Journal of Molecular Structure</i> , 2022 , 1258, 132680	3.4	1
260	Paleoenvironmental Conditions during the PaleoceneEocene Transition Imprinted within the Glauconitic Giral Member of the Barmer Basin, India. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 56	2.4	0
259	Structural and magnetic properties of hydrothermally synthesized Bi-substituted NiCo nanosized spinel ferrites. <i>Ceramics International</i> , 2021 ,	5.1	1
258	Comparative study of sonochemically and hydrothermally synthesized $\text{Mn}_{0.5}\text{Zn}_{0.5}\text{Sm}_x\text{Eu}_x\text{Fe}_{2-x}\text{O}_4$ nanoparticles: Structural, optical and magnetic properties. <i>Nano Structures Nano Objects</i> , 2021 , 28, 100792	5.6	3
257	CoAl -substituted strontium hexaferrite for rare earth free permanent magnet and microwave absorber application. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 024001	3	16
256	$\text{Mn}_{0.7}\text{Zn}_{0.3}\text{Fe}_2\text{O}_4 + \text{BaTiO}_3$ composites: structural, morphological, magnetic, ME effect and dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 10308-10319	2.1	4
255	Study of Magnetic and Electrical Properties of Poly(o-phenylenediamine)/Manganese Substituted ZnFe_2O_4 Nanocomposites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 3441-3459	3.2	1
254	CeDy substituted barium hexaferrite nanoparticles with large coercivity for permanent magnet and microwave absorber application. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 294001	3	9

253	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	2.6	3
252	(BaTiO ₃) _{1-x} + (Co _{0.5} Ni _{0.5} Nb _{0.06} Fe _{1.94} O ₄) _x nanocomposites: Structure, morphology, magnetic and dielectric properties. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 5648-5658	3.8	12
251	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	3.9	5
250	H ₃ PO ₄ catalyzed one-pot synthesis of 1,3-diphenyl-1H-pyrazole-4-carbaldehyde to novel 1,3-diphenyl-1H-pyrazole-4-carbonitrile. <i>Journal of Chemical Sciences</i> , 2021 , 133, 1	1.8	
249	Strain mediated enhancement in magnetoelectric properties of sonochemically synthesized piezoelectric and piezomagnetic composites. <i>Ceramics International</i> , 2021 , 47, 6496-6504	5.1	6
248	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	5.1	9
247	Evaluation of Structural, Micro-structural, Vibrational and Elastic Properties of Ni _{1-x} Cu _x Zn Nanoferrites: Role of Dopant Cu ²⁺ at Constant 0.1 mol% in Ni _{1-x} Zn Spinel Structure. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 1336-1346	3.2	7
246	Dynamical magnetic behavior of anisotropic spinel-structured ferrite for GHz technologies. <i>Scientific Reports</i> , 2021 , 11, 614	4.9	3
245	Nanostructured Ferrites: Structure, Properties and Performance 2021 , 177-177		
244	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	2.1	2
243	Sustainable solvents in chemical synthesis: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3263-3282	2.3	7
242	TiO-Doped NiCuZnFeO Nanoparticles for Enhanced Structural and Magnetic Properties. <i>ACS Omega</i> , 2021 , 6, 17931-17940	3.9	2
241	Structural, Magnetic, and Mossbauer Parameters Evaluation of Sonochemically Synthesized Rare Earth Er and Y Ions-Substituted Manganese-Zinc Nanospinel Ferrites. <i>ACS Omega</i> , 2021 , 6, 22429-22438	3.9	1
240	X-ray diffraction based Williamson-Hall analysis and rietveld refinement for strain mechanism in MgMn co-substituted CdFe ₂ O ₄ nanoparticles. <i>Physica B: Condensed Matter</i> , 2021 , 614, 413054	2.8	6
239	Biosynthesis effect of Moringa oleifera leaf extract on structural and magnetic properties of Zn doped Ca-Mg nano-spinel ferrites. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103261	5.9	12
238	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	5.7	4
237	Preparation of silica xerogel beads embedded with Fe ₂ O ₃ nanoparticles and their characterization. <i>Journal of Nanoparticle Research</i> , 2021 , 23, 1	2.3	0
236	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	5.7	9

235	Magnetically recoverable CoFe _{1.9} Gd _{0.1} O ₄ ferrite/polyaniline nanocomposite synthesized via green approach for radar band absorption. <i>Ceramics International</i> , 2021 , 47, 28240-28251	5.1	3
234	Microstructure, magnetic, and dielectric interplay in NiCuZn ferrite with rare earth doping for magneto-dielectric applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 537, 168229	2.8	3
233	Electrical and dielectric properties of rare earth substituted hard-soft ferrite (Co _{0.5} Ni _{0.5} Ga _{0.01} Gd _{0.01} Fe _{1.98} O ₄) _x /(ZnFe ₂ O ₄) _y nanocomposites. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 969-983	5.5	5
232	The crystalline/amorphous stacking structure of SnO ₂ microspheres for excellent NO photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 5000-5006	13	9
231	Impact of Tm and Tb Rare Earth Cations Substitution on the Structure and Magnetic Parameters of Co-Ni Nanospinel Ferrite. <i>Nanomaterials</i> , 2020 , 10,	5.4	15
230	Magnetic properties, anticancer and antibacterial effectiveness of sonochemically produced Ce ³⁺ /Dy ³⁺ co-activated Mn-Zn nanospinel ferrites. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 7403-7417	5.9	25
229	Physical and in vitro evaluation of ultra-fine cohenite particles for the prospective magnetic hyperthermia application. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 10772-10782	2.1	3
228	Influence of gadolinium (Gd ³⁺) ion substitution on structural, magnetic and electrical properties of cobalt ferrites. <i>Journal of Alloys and Compounds</i> , 2020 , 840, 155669	5.7	17
227	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. <i>Journal of Alloys and Compounds</i> , 2020 , 842, 155855	5.7	10
226	Influence of Co ⁴⁺ -Ca ²⁺ substitution on structural, microstructure, magnetic, electrical and impedance characteristics of M-type barium-strontium hexagonal ferrites. <i>Ceramics International</i> , 2020 , 46, 24816-24830	5.1	9
225	Synthesis of Dy-Y co-substituted manganese-zinc spinel nanoferrites induced anti-bacterial and anti-cancer activities: Comparison between sonochemical and sol-gel auto-combustion methods. <i>Materials Science and Engineering C</i> , 2020 , 116, 111186	8.3	29
224	Investigation of structural and physical properties of Eu ³⁺ ions substituted Ni _{0.4} Cu _{0.2} Zn _{0.4} Fe ₂ O ₄ spinel ferrite nanoparticles prepared via sonochemical approach. <i>Results in Physics</i> , 2020 , 17, 103061	3.7	40
223	Study of magnetic behavior in co-precipitated Ni ₂ Zn ferrite nanoparticles and their potential use for gas sensor applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 502, 166534	2.8	30
222	Investigation of structural, morphological, optical, magnetic and dielectric properties of (1-x)BaTiO ₃ /xSr _{0.92} Ca _{0.04} Mg _{0.04} Fe ₁₂ O ₁₉ composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 510, 166933	2.8	53
221	Sonochemical synthesis of Dy substituted MnZnFeO nanoparticles: Structural, magnetic and optical characterizations. <i>Ultrasonics Sonochemistry</i> , 2020 , 61, 104836	8.9	21
220	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. <i>Ceramics International</i> , 2020 , 46, 8209-8226	5.1	8
219	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. <i>Journal of Alloys and Compounds</i> , 2020 , 822, 153470	5.7	19
218	Interface-Charge Induced Giant Electrocaloric Effect in Lead Free Ferroelectric Thin-Film Bilayers. <i>Nano Letters</i> , 2020 , 20, 1262-1271	11.5	43

217	Effect of Nd-Y co-substitution on structural, magnetic, optical and microwave properties of NiCuZn nanospinel ferrites. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 11278-11290	5.5	14
216	Customized magnetic properties of (Mn _{0.5} Zn _{0.5})[Eu _x Nd _x Fe _{2-2x}]O ₄ nanospinel ferrites synthesized via ultrasonic irradiation approach. <i>Results in Physics</i> , 2020 , 19, 103350	3.7	12
215	Synthesis and characterization of electrospun Ni _{0.5} Co _{0.5} □Cd _x Nd _{0.02} Fe _{1.78} O ₄ nanofibers. <i>Nano Structures Nano Objects</i> , 2020 , 24, 100542	5.6	6
214	Magnetic, electrical and gas sensing properties of poly(o-phenylenediamine)/MnCoFe ₂ O ₄ nanocomposites. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	3
213	Influence of Zn-Zr substitution on the crystal chemistry and magnetic properties of CoFe ₂ O ₄ nanoparticles synthesized by sol-gel method. <i>Physica B: Condensed Matter</i> , 2020 , 596, 412400	2.8	4
212	Effect of Ho ³⁺ Ion Doping on Thermal, Structural, and Morphological Properties of Co _{0.9} Ni _{0.1} Ferrite Synthesized by Sol-Gel Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020 , 33, 3545-3554	1.5	6
211	Effect of Copper Substitution on the Structural, Magnetic, and Dielectric Properties of M-Type Lead Hexaferrite. <i>Journal of Electronic Materials</i> , 2020 , 49, 6024-6039	1.9	5
210	Structural, mechanical, dielectric properties and magnetic interactions in Dy-substituted Co-Cu-Zn nanoferrites.. <i>RSC Advances</i> , 2020 , 10, 27911-27922	3.7	14
209	Single-Crystal-like Textured Growth of CoFe ₂ O ₄ Thin Film on an Amorphous Substrate: A Self-Bilayer Approach. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 3650-3657	4	17
208	Effect of heating temperature on structural, magnetic, and dielectric properties of Magnesium ferrites prepared in the presence of Solanum Lycopersicum fruit extract. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 18445-18463	2.1	8
207	Ferromagnetic Bismuth-Substituted CeO ₂ Nanostructures and Prevalence of Antiferromagnetic Clusters. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020 , 33, 3941-3947	1.5	2
206	Role of composition and grain size in controlling the structure sensitive magnetic properties of Sm ³⁺ substituted nanocrystalline Co-Zn ferrites. <i>Journal of Rare Earths</i> , 2020 , 38, 1069-1075	3.7	16
205	Facile one-step hydrothermal synthesis of SnO ₂ microspheres with oxygen vacancies for superior ethanol sensor. <i>Journal of Alloys and Compounds</i> , 2020 , 814, 152266	5.7	50
204	Magnetic and microstructural features of Dy ³⁺ substituted NiFe ₂ O ₄ nanoparticles derived by sol-gel approach. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 95, 202-210	2.3	15
203	Structural, optical, elastic and magnetic properties of Ce and Dy doped cobalt ferrites. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155089	5.7	15
202	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. <i>Journal of Alloys and Compounds</i> , 2020 , 842, 155120	5.7	10
201	Synthesis, characterization and magnetic investigation of Er-substituted electrospun NiFe ₂ O ₄ nanofibers. <i>Physica Scripta</i> , 2020 , 95, 075801	2.6	10
200	Effect of precursors on the structural, magnetic, dielectric, microwave and electromagnetic properties of Co _{0.9} Zr _{0.1} doped nanocrystalline strontium hexaferrites synthesized via sol-gel method. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	4

199	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	5.1	13
198	Au quantum dots engineered room temperature crystallization and magnetic anisotropy in CoFeO thin films. <i>Nanoscale Horizons</i> , 2019 , 4, 434-444	10.8	41
197	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	3.6	8
196	Sonochemical synthesis and physical properties of CoNiMnEuFeO nano-spinel ferrites. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104654	8.9	66
195	Manipulation of charge carrier concentration and phonon scattering via spin-entropy and size effects: Investigation of thermoelectric transport properties in La-doped Ca ₃ Co ₄ O ₉ . <i>Journal of Alloys and Compounds</i> , 2019 , 801, 60-69	5.7	14
194	Sonochemical synthesis of Eu substituted CoFeO nanoparticles and their structural, optical and magnetic properties. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104621	8.9	58
193	Structural, magnetic, optical properties and cation distribution of nanosized CoZnTmFeO (0.0 ≤ x ≤ 0.04) spinel ferrites synthesized by ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104638	8.9	37
192	Magnetic and dielectric properties of Zn substituted cobalt oxide nanoparticles. <i>Ceramics International</i> , 2019 , 45, 16512-16520	5.1	17
191	Structural, magnetic, optical properties and cation distribution of nanosized NiCuZnTmFeO (0.0 ≤ x ≤ 0.10) spinel ferrites synthesized by ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , 2019 , 57, 203-211	8.9	54
190	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	2.8	38
189	Ca ²⁺ /Mg ²⁺ co-substituted strontium nanohexaferrites: magnetic investigation and Mossbauer analysis. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 92, 239-251	2.3	6
188	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	6.1	13
187	Elastic, impedance spectroscopic and dielectric properties of TiO ₂ doped nanocrystalline NiCuZn spinel ferrites. <i>Phase Transitions</i> , 2019 , 92, 790-797	1.3	1
186	Structural, optical and magnetic properties of Tb ³⁺ substituted Co nanoferrites prepared via sonochemical approach. <i>Ceramics International</i> , 2019 , 45, 22538-22546	5.1	26
185	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	2.6	8
184	Influence of Ta ₂ O ₅ additive on the structural, optical and magnetic properties of Ni-Cu-Zn nanocrystalline spinel ferrites. <i>Materials Research Express</i> , 2019 , 6, 096103	1.7	1
183	Fabrication of Bi ³⁺ substituted yttrium aluminum iron garnet (YAIG) nanoparticles and their structural, magnetic, optical and electrical investigations. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 19782-19791	2.1	4
182	Zr-substituted cobalt oxide nanoparticles: structural, magnetic and electrical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 20088-20098	2.1	2

181	NiCuZnTbFeO nanospinel ferrites: Ultrasonic synthesis and physical properties. <i>Ultrasonics Sonochemistry</i> , 2019 , 59, 104757	8.9	63
180	Structural, optical and magnetic properties of Tm substituted cobalt spinel ferrites synthesized via sonochemical approach. <i>Ultrasonics Sonochemistry</i> , 2019 , 54, 1-10	8.9	71
179	Impact of La and Y ion substitutions on structural, magnetic and microwave properties of NiCuZnFeO nanospinel ferrites synthesized sonochemical route.. <i>RSC Advances</i> , 2019 , 9, 30671-30684	3.7	39
178	Sustainable preparation of sunlight active FeO nanoparticles using iron containing ionic liquids for photocatalytic applications.. <i>RSC Advances</i> , 2019 , 9, 41803-41810	3.7	8
177	Polycrystalline to preferred-(100) single crystal texture phase transformation of yttrium iron garnet nanoparticles. <i>Nanoscale Advances</i> , 2019 , 1, 403-413	5.1	19
176	XRD, EDX, FTIR and ESR spectroscopic studies of co-precipitated Mn substituted Zn ferrite nanoparticles. <i>Ceramics International</i> , 2019 , 45, 8037-8044	5.1	47
175	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	1.5	5
174	Surprisingly high magneto-electric coupling in cubic Co _{0.7} Fe _{2.3} O ₄ -SrTiO ₃ nano-composites. <i>Journal of Alloys and Compounds</i> , 2019 , 773, 564-570	5.7	14
173	Magnetic field induced polarization and magnetoelectric effect in Na _{0.5} Bi _{0.5} TiO ₃ /Co _{0.75} Zn _{0.25} Cr _{0.2} Fe _{1.8} O ₄ multiferroic composite. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 471, 388-393	2.8	22
172	Oleylamine surface functionalized FeCo _y Fe _{2-y} O ₄ (0.0 ≤ y ≤ 1.0) nanoparticles. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 4971-4981	5.9	2
171	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	2.1	9
170	Controlled synthesis and enhanced tunnelling magnetoresistance in oriented Fe ₃ O ₄ nanorod assemblies. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 085002	3	16
169	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	3.6	13
168	Ferro- and magneto-electric characteristics in YFeO ₃ /Fe ₅ O ₁₂ nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 457, 103-109	2.8	8
167	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	5.7	65
166	Optimization of lithium content in LiFePO ₄ for superior electrochemical performance: the role of impurities.. <i>RSC Advances</i> , 2018 , 8, 1140-1147	3.7	12
165	Magneto-optical and microstructural properties of spinel cubic copper ferrites with Li-Al co-substitution. <i>Ceramics International</i> , 2018 , 44, 14242-14250	5.1	95
164	Zn _x Fe _{3-x} O ₄ (0.01 ≤ x ≤ 0.8) nanoparticles for controlled magnetic hyperthermia application. <i>New Journal of Chemistry</i> , 2018 , 42, 7144-7153	3.6	39

163	Preparation, Electrical and Magnetic Properties of Poly(m-phenylenediamine)/ZnFe ₂ O ₄ Nanocomposites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018 , 31, 497-504	1.5	7
162	High temperature dielectric studies of indium-substituted NiCuZn nanoferrites. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 112, 29-36	3.9	25
161	Structural and magnetic investigations: Study of magnetocrystalline anisotropy and magnetic behavior of 0.1% Cu ²⁺ substituted NiZn ferrite nanoparticles. <i>Ceramics International</i> , 2018 , 44, 1193-1200	5.1	22
160	Influence of rare earth ion doping (Ce and Dy) on electrical and magnetic properties of cobalt ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 449, 319-327	2.8	68
159	Magneto-electric coupling and improved dielectric constant of BaTiO ₃ and Fe-rich (Co _{0.7} Fe _{2.3} O ₄) ferrite nano-composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 465, 508-514	2.8	18
158	DPASV analytical technique for ppb level uranium analysis 2018 ,		1
157	Crystal chemistry and single-phase synthesis of Gd substituted Co-Zn ferrite nanoparticles for enhanced magnetic properties.. <i>RSC Advances</i> , 2018 , 8, 25258-25267	3.7	34
156	Role of pH and Sintering Temperature on the Properties of Tetragonal/Cubic Phases Composed Copper Ferrite Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 2612-2619	3.2	12
155	Effect of non-stoichiometry in lead hexaferrites on magnetic and dielectric properties. <i>Materials Chemistry and Physics</i> , 2018 , 220, 137-148	4.4	12
154	Ferrites Obtained by Sol-Gel Method 2018 , 1-41		6
153	Ferrites Obtained by Sol-Gel Method 2018 , 695-735		25
152	Ferrites Obtained by Sol-Gel Method 2018 , 1-40		
151	Magnetic interactions and dielectric dispersion in Mg substituted M-type Sr-Cu hexaferrite nanoparticles prepared using one step solvent free synthesis technique. <i>Ceramics International</i> , 2018 , 44, 4426-4435	5.1	25
150	Synthesis and structural, magnetic characterization of nanocrystalline Zn _{1-x} CoxO diluted magnetic semiconductors (DMS) synthesized by combustion reaction. <i>Ceramics International</i> , 2018 , 44, 4126-4131	5.1	13
149	Nanoscale-driven structural changes and associated superparamagnetism in magnetically diluted NiZn ferrites. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 300-312	7.8	16
148	Synthesis and Characterization of Cu/Mn Substituted SrFe ₁₂ O ₁₉ Hexaferrites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 212-222	3.2	2
147	Controllable dynamics of oxygen vacancies through extrinsic doping for superior catalytic activities. <i>Nanoscale</i> , 2018 , 10, 18576-18585	7.7	26
146	Structural, magnetic and dielectric properties of Co-Zr substituted M-type calcium hexagonal ferrite nanoparticles in the presence of Fe ₂ O ₃ phase. <i>Ceramics International</i> , 2018 , 44, 17812-17823	5.1	85

145	Synthesis and Structural and Magnetic Characterization of BaZn _x Fe _{12-2x} O ₁₉ Hexaferrite: Hyperfine Interactions. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 1585-1592	1.5	12
144	Enabling the Electrochemical Activity in Sodium Iron Metaphosphate [NaFe(PO)] Sodium Battery Insertion Material: Structural and Electrochemical Insights. <i>Inorganic Chemistry</i> , 2017 , 56, 5918-5929	5.1	24
143	Magnetic properties and hyperfine interactions of Co _{1-2x} Ni _x Mn _x Fe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2017 , 43, 4746-4752	5.1	10
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141	SEM, magnetization and Mössbauer spectroscopic characterization of Fe-U sequestration 2017 ,		1
140	Auto-ignition synthesis of CoFe ₂ O ₄ with Al ³⁺ substitution for high frequency applications. <i>Ceramics International</i> , 2017 , 43, 14347-14353	5.1	17
139	Magnetic Properties of FeMn _y Co _y Fe _{2-2y} O ₄ @Oleylamine Nanocomposite with Cation Distribution. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017 , 27, 1740-1749	3.2	2
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137	Electrical and magnetic properties of poly(m-phenylenediamine)/NiFe ₂ O ₄ nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 15754-15761	2.1	7
136	Structural phases, magnetic properties and Maxwell-Wagner type relaxation of CoFe ₂ O ₄ /Sr ₂ Co ₂ Fe ₁₂ O ₂₂ ferrite composites. <i>Materials Research Express</i> , 2017 , 4, 076105	1.7	5
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134	Electrical resistivity and Mössbauer studies of Cr substituted Co nano ferrites. <i>Journal of Alloys and Compounds</i> , 2017 , 694, 366-374	5.7	29
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128	Quaternary ammonium bearing hyper-crosslinked polymer encapsulation on Fe ₃ O ₄ nanoparticles. <i>RSC Advances</i> , 2016 , 6, 21317-21325	3.7	19

127	Dielectric properties, cationic distribution calculation and hyperfine interactions of La ³⁺ and Bi ³⁺ doped strontium hexaferrites. <i>Ceramics International</i> , 2016 , 42, 9100-9115	5.1	27
126	Structural investigation and hyperfine interactions of BaBi _x La _{1-x} Fe ₁₂ O ₁₉ (0.0 ≤ x ≤ 0.5) hexaferrites. <i>Ceramics International</i> , 2016 , 42, 3380-3387	5.1	54
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121	Structural, magneto-optical properties and cation distribution of SrBi _x La _{1-x} Y _x Fe ₁₂ O ₁₉ (0.0 ≤ x ≤ 0.33) hexaferrites. <i>Materials Research Bulletin</i> , 2016 , 80, 263-272	5.1	51
120	Structural, morphological, optical, cation distribution and Mössbauer analysis of Bi ³⁺ substituted strontium hexaferrite. <i>Ceramics International</i> , 2016 , 42, 8627-8635	5.1	55
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118	Spectroscopic, elastic and dielectric properties of Ho ³⁺ substituted Co-Zn ferrites synthesized by sol-gel method. <i>Ceramics International</i> , 2016 , 42, 16096-16102	5.1	31
117	The Effect of Cr ³⁺ Substitution on Magnetic Properties of CoFe ₂ O ₄ Nanoparticles Synthesized by Microwave Combustion Route. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016 , 29, 2395-2400	1.5	2
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115	Polyol synthesis of Mn ³⁺ substituted Fe ₃ O ₄ nanoparticles: Cation distribution, structural and electrical properties. <i>Superlattices and Microstructures</i> , 2015 , 85, 747-760	2.8	24
114	Mössbauer spectroscopic analysis and temperature dependent electrical study of Mg _{0.9} Mn _{0.1} Gd _y Fe _{2-2y} O ₄ nanoferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 390, 50-55	2.8	5
113	Manganese ferrite prepared using reverse micelle process: Structural and magnetic properties characterization. <i>Journal of Alloys and Compounds</i> , 2015 , 642, 70-77	5.7	34
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11	Structural and magnetic characterizations of Mn _{1-x} Ni _x Zn ferrite nanoparticles. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 2355-2363	1.6	46
10	Structural and magnetic properties of In ³⁺ substituted NiFe ₂ O ₄ . <i>Materials Chemistry and Physics</i> , 2009 , 117, 163-168	4.4	179
9	Cation distribution by Rietveld, spectral and magnetic studies of chromium-substituted nickel ferrites. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 95, 429-434	2.6	77
8	Electrical and magnetic properties of Cr ³⁺ substituted nanocrystalline nickel ferrite. <i>Journal of Applied Physics</i> , 2009 , 106, 023914	2.5	115
7	Effect of zinc substitution on structural and elastic properties of cobalt ferrite. <i>Journal of Alloys and Compounds</i> , 2009 , 488, 199-203	5.7	117
6	STRUCTURAL PROPERTIES AND CATION DISTRIBUTION OF Co _{1-x} Zn _x NANO FERRITES. <i>International Journal of Modern Physics B</i> , 2009 , 23, 5629-5638	1.1	32
5	Structural investigations and magnetic properties of cobalt ferrite nanoparticles prepared by sol-gel auto combustion method. <i>Solid State Communications</i> , 2008 , 147, 479-483	1.6	191
4	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> , 1	2.1	
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2	Aqueous spray-drying synthesis of alluaudite Na ₂ +2xFe ₂ -(SO ₄) ₃ sodium insertion material: studies of electrochemical activity, thermodynamic stability, and humidity-induced phase transition. <i>Journal of Solid State Electrochemistry</i> , 1	2.6	0

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