

An overview of the structure and magnetism of spinel ferrite synthesis in microemulsions

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Fabrication and electrochemical performance of nickel ferrite nanoparticles as anode material in lithium ion batteries. <i>Electrochemistry Communications</i> , 2007, 9, 2606-2610.	2.3	115
3	Spherical Nanoporous Assemblies of Iso-Oriented Cobalt Ferrite Nanoparticles: Synthesis, Microstructure, and Magnetic Properties. <i>Chemistry of Materials</i> , 2008, 20, 6364-6371.	3.2	88
4	Synthesis of Ni ferrite and Co ferrite rodlike particles by superposition of a constant magnetic field. <i>Journal of Materials Research</i> , 2008, 23, 1764-1775.	1.2	14
5	Synthesis of Cobalt Ferrite Nanowires Using FeOOH as a Template. <i>Solid State Phenomena</i> , 0, 151, 245-251.	0.3	1
6	Extraordinary role of Ce ⁴⁺ /Ni elements on the electrical and magnetic properties of Sr ²⁺ /Ba M-type hexaferrites. <i>Materials Research Bulletin</i> , 2009, 44, 2050-2055.	2.7	67
7	Preparation and magnetic properties of Mn-Zn ferrites by the Co-precipitation method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2009, 24, 875-878.	0.4	7
8	Synthesis and characterization of Co _x Zn _{1-x} Fe ₂ O ₄ magnetic nanoparticles via a PEG-assisted route. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2170-2177.	1.0	190
9	Phenol methylation over nanoparticulate CoFe ₂ O ₄ inverse spinel catalysts: The effect of morphology on catalytic performance. <i>Applied Catalysis A: General</i> , 2009, 366, 184-192.	2.2	104
10	Switching of magnetic anisotropy in epitaxial CoFe ₂ O ₄ /SrRuO ₃ buffer layer. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 175006.	1.3	64
11	Salt-assisted combustion synthesis of highly dispersed superparamagnetic CoFe ₂ O ₄ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2009, 475, L34-L37.	2.8	48
12	RHEOLOGY OF INVERSE EMULSIONS WITH CHITOSAN, CTAB, AND CYCLOHEXANE. <i>Soft Materials</i> , 2009, 7, 185-197.	0.8	2
13	Annealing temperature and initial iron valence ratio effects on the structural characteristics of nanoscale nickel zinc ferrite. <i>Journal of Applied Physics</i> , 2010, 107, 024301.	1.1	4
14	Magnetic nanoparticles: Synthesis, stabilization, functionalization, characterization, and applications. <i>Journal of the Iranian Chemical Society</i> , 2010, 7, 1-37.	1.2	611
15	Structure and superparamagnetic behaviour of magnetite nanoparticles in cellulose beads. <i>Materials Research Bulletin</i> , 2010, 45, 946-953.	2.7	22
16	X-ray diffraction studies on crystallite size evolution of CoFe ₂ O ₄ nanoparticles prepared using mechanical alloying and sintering. <i>Applied Surface Science</i> , 2010, 256, 3122-3127.	3.1	103
17	Functional silica nanoparticles synthesized by water-in-oil microemulsion processes. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 201-208.	5.0	100
18	Synthesis and microstructure of cobalt ferrite nanoparticles. <i>Journal of Crystal Growth</i> , 2010, 312, 2465-2471.	0.7	44
19	Sintering temperature dependence of room temperature magnetic and dielectric properties of Co _{0.5} Zn _{0.5} Fe ₂ O ₄ prepared using mechanically alloyed nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 686-691.	1.0	63

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40	Synthesis, structural and electrical characterization of Sb ³⁺ substituted spinel nickel ferrite (NiSb _x Fe _{2-\tilde{x}} O ₄) nanoparticles by reverse micelle technique. Journal of Alloys and Compounds, 2011, 509, 5119-5126.	2.8	62
41	Role of Ce ⁴⁺ /Mn substitution on structural, electrical and magnetic properties of W-type strontium hexaferrites. Journal of Alloys and Compounds, 2011, 509, 8042-8046.	2.8	57
42	The effect of composition and temperature on the amount and type of nanoferrite particles inserted in Fe ₂ O ₃ /ZnO/MgO/SiO ₂ glass-ceramics. Journal of Non-Crystalline Solids, 2011, 357, 3722-3725.	1.5	4
43	Structural and magnetic properties of Zn-substituted cobalt ferrites prepared by co-precipitation method. Physical Chemistry Chemical Physics, 2011, 13, 18609.	1.3	95
44	In Vivo Applications of Inorganic Nanoparticles. , 2011, , 185-220.		5
45	Formation of cobalt ferrites from aqueous solutions of metal nitrates containing PVA: effects of the amount of PVA and annealing temperature. Journal of the Ceramic Society of Japan, 2011, 119, 541-543.	0.5	6
46	The recycling of Mn/Zn ferrite wastes through a hydrometallurgical route. Journal of Hazardous Materials, 2011, 194, 79-84.	6.5	10
47	Nanocrystalline magnetite and Mn/Zn ferrite particles via the polyol process: Synthesis and magnetic properties. Materials Chemistry and Physics, 2011, 129, 337-342.	2.0	56
48	Hyaluronan-modified magnetic nanoclusters for detection of CD44-overexpressing breast cancer by MR imaging. Biomaterials, 2011, 32, 7941-7950.	5.7	104
49	Solution combustion synthesis and visible light-induced photocatalytic activity of mixed amorphous and crystalline MgAl ₂ O ₄ nanopowders. Chemical Engineering Journal, 2011, 173, 750-759.	6.6	128
50	Synthesis and characterization of zinc ferrite nanoparticles obtained by self-propagating low-temperature combustion method. Bulletin of Materials Science, 2011, 34, 1325-1330.	0.8	47
51	Low-temperature synthesis and characterization of the Mn/Zn ferrite. Journal of Thermal Analysis and Calorimetry, 2011, 104, 577-583.	2.0	23
52	Dispersive solid-phase extraction based on oleic acid-coated magnetic nanoparticles followed by gas chromatography-mass spectrometry for UV-filter determination in water samples. Journal of Chromatography A, 2011, 1218, 2467-2475.	1.8	169
53	Magnetite nanoparticles for medical MR imaging. Materials Today, 2011, 14, 330-338.	8.3	360
54	Effects of sintering temperature on grain growth and the complex permeability of Co _{0.2} Ni _{0.3} Zn _{0.5} Fe ₂ O ₄ material prepared using mechanically alloyed nanoparticles. Journal of Magnetism and Magnetic Materials, 2011, 323, 1433-1439.	1.0	28
55	Role of crystal orientation on the magnetic properties of CoFe ₂ O ₄ thin films grown on Si (100) and Al ₂ O ₃ (0001) substrates using pulsed laser deposition. Physica B: Condensed Matter, 2011, 406, 2663-2668.	1.3	22
56	Fabrication, characterization and magnetic behaviour of alumina-doped zinc ferrite nano-particles. Journal of Analytical and Applied Pyrolysis, 2011, 91, 48-54.	2.6	42
57	Magnetic and M ¹ ssbauer behavior of the nanostructured MgFe ₂ O ₄ spinel obtained at low temperature. Powder Technology, 2011, 210, 103-108.	2.1	63

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58	Simple preparation and characterization of nickel ferrite nanocrystals by a thermal treatment method. Powder Technology, 2011, 212, 80-88.	2.1	156
59	Preparation and magnetic property investigation of a nickel spinel ferrite-coated tetrapod-like ZnO composite. Solid State Communications, 2011, 151, 678-682.	0.9	18
60	Synthesis and characterization of zinc ferrite nanoparticles by a thermal treatment method. Solid State Communications, 2011, 151, 1031-1035.	0.9	172
61	Ferromagnetic resonance behavior of spark plasma sintered Ni ²⁺ Zn ferrite nanoparticles produced by a chemical route. Journal of Applied Physics, 2011, 109, 07A329.	1.1	24
62	Study on the Absorption Properties of Spinel Type Ferrite Composite Coatings in the Low Frequency. Advanced Materials Research, 0, 415-417, 30-34.	0.3	5
63	MAGNETIC AND DIELECTRIC PROPERTIES OF POLYCRYSTALLINE $\text{Co}_{0.5}\text{Ni}_{0.5}\text{Fe}_2\text{O}_4$ MATERIALS PREPARED USING MECHANICALLY ALLOYED NANOPARTICLE. International Journal of Modern Physics B, 2011, 25, 1225-1233.	1.0	2
64	Synthesis and Characterization of Nano CoFe_2O_4 by Low-Temperature Combustion Synthesis Using Different Fuels. , 2011, , .		1
65	Microstructures, Electrical and Magnetic Properties of Zn Doped Co Nanoferrites. Key Engineering Materials, 0, 510-511, 221-226.	0.4	1
66	Correlation of Microstructures with Electrical Transport Properties in Mn Doped Co Nanoferrite Particles. Key Engineering Materials, 0, 510-511, 487-492.	0.4	0
67	Synthesis of Lithopone Nanoparticles via Microemulsion Method Using Designed Experiments. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2012, 42, 1237-1241.	0.6	1
68	Nanophotonics for Molecular Diagnostics and Therapy Applications. International Journal of Photoenergy, 2012, 2012, 1-11.	1.4	35
69	Electrosteric Stabilization and Its Role in Cooperative Magnetophoresis of Colloidal Magnetic Nanoparticles. Langmuir, 2012, 28, 14878-14891.	1.6	55
70	Structural and magnetic properties of cobalt ferrites synthesized using sol-gel techniques. Materials Science-Poland, 2012, 30, 278-281.	0.4	6
71	Hydrothermal synthesis of homogeneous and core/shell $\text{Co}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$ nanoparticles. , 2012, , .		0
72	Comparison of nanostructured nickel zinc ferrite and magnesium copper zinc ferrite prepared by water-in-oil microemulsion. Electronic Materials Letters, 2012, 8, 639-642.	1.0	5
73	On the Role of Morphology of CoFeO_4 Spinel in Methanol Anaerobic Oxidation. Journal of Physical Chemistry C, 2012, 116, 14998-15009.	1.5	23
74	Self-Assembly of Flux-Closure Polygons from Magnetite Nanocubes. Journal of Physical Chemistry Letters, 2012, 3, 2320-2325.	2.1	19
75	Facile and efficient one-pot solvothermal and microwave-assisted synthesis of stable colloidal solutions of MFe_2O_4 spinel magnetic nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	70

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76	Influence of Nd ³⁺ substitution on structural, electrical and magnetic properties of nanocrystalline nickel ferrites. <i>Journal of Alloys and Compounds</i> , 2012, 513, 80-85.	2.8	83
78	Effects of Sintering Temperature on Structural and Electrical Transport Properties of Zinc Ferrites Prepared by Sol-Gel Route. <i>Key Engineering Materials</i> , 0, 510-511, 585-590.	0.4	0
80	Formation mechanism and magnetic properties of hollow Fe ₃ O ₄ nanospheres synthesized without any surfactant. <i>CrystEngComm</i> , 2012, 14, 8658.	1.3	47
81	Novel preparation and properties of magnesioferrite nanoparticles. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 97, 55-61.	2.6	34
82	Temperature and composition dependence of magnetic properties of cobalt-chromium co-substituted magnesium ferrite nanomaterials. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3986-3990.	1.0	17
83	Thermo-responsive copolymer coated MnFe ₂ O ₄ magnetic nanoparticles for hyperthermia therapy and controlled drug delivery. <i>Materials Chemistry and Physics</i> , 2012, 137, 365-371.	2.0	62
84	Study on the formation of Co _x Fe _{3-<i>x</i>} O ₄ system using two low temperature synthesis methods. <i>Materials Research Bulletin</i> , 2012, 47, 4119-4125.	2.7	9
85	Magnetic and structural studies of the Mn-doped Mg-Zn ferrite nanoparticles synthesized by the glycine nitrate process. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3741-3747.	1.0	121
86	Manganese-Zinc Ferrite Synthesis by the Sol-Gel Autocombustion Method. Effect of the Precursor on the Ferrite's Catalytic Properties. <i>Industrial & Engineering Chemistry Research</i> , 0, , 121226133853001.	1.8	8
87	Synthesis and characterization of CoFe ₂ O ₄ ferrite nanoparticles obtained by an electrochemical method. <i>Nanotechnology</i> , 2012, 23, 355708.	1.3	66
88	The effects and roles of PVP on the phase composition, morphology and magnetic properties of cobalt ferrite nanoparticles prepared by thermal treatment method. <i>Fibers and Polymers</i> , 2012, 13, 831-836.	1.1	13
89	Silica coated ferrite nanoparticles: Influence of citrate functionalization procedure on final particle morphology. <i>Ceramics International</i> , 2012, 38, 6635-6641.	2.3	37
90	Influence of the temperature in the electrochemical synthesis of cobalt ferrites nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012, 536, S222-S225.	2.8	32
91	Glycine-assisted fabrication of zinc and manganese ferrite nanoparticles. <i>Scientia Iranica</i> , 2012, 19, 930-933.	0.3	21
92	Hydrothermal Synthesis and Near In Situ Analysis of NiFe ₂ O ₄ Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8797-8800.	0.9	1
93	An Overview on Nanocrystalline ZnFe ₂ O ₄ , MnFe ₂ O ₄ , and CoFe ₂ O ₄ Synthesized by a Thermal Treatment Method. <i>ISRN Nanotechnology</i> , 2012, 2012, 1-11.	1.3	55
94	Biological synthesis of cobalt ferrite nanoparticles. <i>Nanotechnology Development</i> , 2012, 2, 9.	0.6	16
95	Size-Dependent Nonlinear Weak-Field Magnetic Behavior of Maghemite Nanoparticles. <i>Small</i> , 2012, 8, 1945-1956.	5.2	42

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96	Controlling the microstructure and magnetic properties of Mn-Zn ferrites nanopowders synthesized by co-precipitation method. <i>Electronic Materials Letters</i> , 2012, 8, 325-329.	1.0	28
97	Synthesis of CoFe ₂ O ₄ powder via PVA assisted sol-gel process. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1045-1049.	1.1	32
98	Nano-crystalline Mn _{0.3} Ni _{0.3} Zn _{0.4} Fe ₂ O ₄ obtained by novel fumarato-hydrazinate precursor method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 865-870.	2.0	16
99	The influence of the transition metal substitution on chemically prepared ferrite nanoparticles – Mössbauer studies. <i>Current Applied Physics</i> , 2012, 12, 896-902.	1.1	21
100	Study of strontium ferrites substituted by lanthanum on the structural and magnetic properties. <i>Ceramics International</i> , 2012, 38, S415-S419.	2.3	59
101	Structural, morphological and magnetic properties of nano-crystalline zinc substituted cobalt ferrite system. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 94, 41-47.	2.6	81
102	Adsorption of Pb(II) and Cu(II) from aqueous solution on magnetic porous ferrosipinel MnFe ₂ O ₄ . <i>Journal of Colloid and Interface Science</i> , 2012, 367, 415-421.	5.0	172
103	Magnetic porous ferrosipinel NiFe ₂ O ₄ : A novel ozonation catalyst with strong catalytic property for degradation of di-n-butyl phthalate and convenient separation from water. <i>Journal of Colloid and Interface Science</i> , 2012, 382, 90-96.	5.0	160
104	Long-term theranostic hydrogel system for solid tumors. <i>Biomaterials</i> , 2012, 33, 2251-2259.	5.7	72
105	Zero-valent iron nanoparticles preparation. <i>Materials Research Bulletin</i> , 2012, 47, 1478-1485.	2.7	9
106	Influence of copper on the magnetic properties of cobalt ferrite nano particles. <i>Materials Letters</i> , 2012, 81, 52-54.	1.3	58
107	Ferrite-based magnetic nanofluids used in hyperthermia applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 903-915.	1.0	620
108	Microwave assisted combustion synthesis of CdFe ₂ O ₄ : Magnetic and electrical properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2100-2107.	1.0	79
109	Nanostructural, magnetic and Mössbauer studies of nanosized Co _{1-x} Zn _x Fe ₂ O ₄ synthesized by co-precipitation. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2397-2403.	1.0	104
110	Effect of the Zn content in the magnetic properties of Co _{1-x} Zn _x Fe ₂ O ₄ mixed ferrites. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	30
111	Diverse applications of fibers surface-functionalized with nano- and microparticles. <i>Composites Science and Technology</i> , 2013, 79, 77-86.	3.8	6
112	Broadening of EM Energy-Absorption Frequency Band by Micrometer-to-Nanometer Grain Size Reduction in NiZn Ferrite. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 5475-5479.	1.2	9
113	An X-ray absorption spectroscopy study of the inversion degree in zinc ferrite nanocrystals dispersed on a highly porous silica aerogel matrix. <i>Journal of Chemical Physics</i> , 2013, 138, 054702.	1.2	44

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114	Electrical and magnetic properties of Al ³⁺ substituted Mn ²⁺ -Ni ²⁺ -Zn nanoferrites. Journal of Materials Science: Materials in Electronics, 2013, 24, 4186-4191.	1.1	7
115	Effect of non-magnetic substitution on the structural and magnetic properties of spinel cobalt ferrite (CoFe ₂ ~xAlxO ₄) ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 2706-2715.	1.1	24
116	Structural and magnetic properties of the copper ferrite obtained by reactive milling and heat treatment. Ceramics International, 2013, 39, 4179-4186.	2.3	43
117	Tuning the composition of Zn ²⁺ -Fe ³⁺ -O nanotube arrays: from zinc ferrite ZnFe ₂ O ₄ to hematite $\hat{1}\pm$ -Fe ₂ O ₃ . CrystEngComm, 2013, 15, 8306.	1.3	25
118	Role of Zr ⁴⁺ -Co substitution at iron site on structural, magnetic and electrical properties of Sr-hexaferrites nanomaterials synthesized by the sol ² -gel combustion method. Journal of Magnetism and Magnetic Materials, 2013, 332, 93-97.	1.0	22
119	PEG-coated folic acid-modified superparamagnetic MnFe ₂ O ₄ nanoparticles for hyperthermia therapy and drug delivery. Materials Chemistry and Physics, 2013, 138, 703-708.	2.0	58
120	Synthesis, microstructure, and magnetic properties of monosized Mn ^x Zn ^y Fe ₃ ~x~yO ₄ ferrite nanocrystals. Nanoscale Research Letters, 2013, 8, 530.	3.1	24
121	Superparamagnetic Behavior of MFe ₂ O ₄ Nanoparticles and MFe ₂ O ₄ /SiO ₂ Composites (M: Co, Ni).. Journal of Physical Chemistry C, 2013, 117, 20927-20935.	1.5	43
122	Preparation, Characterization and Magnetic Property of MFe ₂ O ₄ (m=Mn, Zn, Ni, Co) Nanoparticles. Advanced Materials Research, 0, 842, 35-38.	0.3	5
123	Microemulsions as Reaction Media for the Synthesis of Mixed Oxide Nanoparticles: Relationships between Microemulsion Structure, Reactivity, and Nanoparticle Characteristics. Langmuir, 2013, 29, 1779-1789.	1.6	50
124	Mechanistic investigation of the sonochemical synthesis of zinc ferrite. Ultrasonics Sonochemistry, 2013, 20, 294-302.	3.8	59
125	The role of terbium cation substitution on the magnetic properties of cobalt ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2013, 330, 169-173.	1.0	37
126	Three-way principal component analysis as a tool to evaluate the chemical stability of metal bearing residues from wastewater treatment by the ferrite process. Journal of Hazardous Materials, 2013, 262, 71-82.	6.5	10
127	Sonochemical Synthesis and Characterization of Manganese Ferrite Nanoparticles. Industrial & Engineering Chemistry Research, 2013, 52, 17848-17855.	1.8	99
128	Structural effects of iron spinel oxides doped with Mn, Co, Ni and Zn on selective catalytic reduction of NO with NH ₃ . Journal of Molecular Catalysis A, 2013, 376, 13-21.	4.8	68
129	Nanocrystalline/Nanosized $\langle \text{Ni} \rangle_{1\hat{1}^3} \langle \text{Fe} \rangle_{2\hat{1}^3} \langle \text{O} \rangle_{4\hat{1}^3}$ Ferrite Obtained by Contamination with Fe During Milling of $\langle \text{NiO} \rangle_{\hat{1}^3} \langle \text{Fe} \rangle_{2\hat{1}^3} \langle \text{O} \rangle_{3\hat{1}^3}$ Mixture. Structural and Magnetic Characterization. Journal of the American Ceramic Society, 2013, 96, 469-475.	1.9	19
130	Correlation of crystal structure and magnetic properties of Co(1 $\hat{1}$)Ni Fe ₂ O ₄ /SiO ₂ nanocomposites. Journal of Magnetism and Magnetic Materials, 2013, 334, 102-106.	1.0	16
131	Nano-magnetic particles used in biomedicine: Core and coating materials. Materials Science and Engineering C, 2013, 33, 2465-2475.	3.8	221

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132	Development of FeOOH nanoarrays using magnetic cations. <i>Open Chemistry</i> , 2013, 11, 358-363.	1.0	1
133	Structure, synthetic methods, magnetic properties and biomedical applications of ferrofluids. <i>Materials Science and Engineering C</i> , 2013, 33, 2476-2487.	3.8	96
134	Synthesis, characterization and magnetic properties of Cr-substituted Co ²⁺ /Zn ferrites nanopowders. <i>Journal of Molecular Structure</i> , 2013, 1035, 341-347.	1.8	38
135	Mn ²⁺ /Zn nano-crystalline ferrites synthesized from spent Zn ²⁺ /C batteries using novel gelatin method. <i>Journal of Hazardous Materials</i> , 2013, 246-247, 227-233.	6.5	29
136	Synthesis and Characterization of NiFe ₂ O ₄ Magnetic Nanoparticles by Combustion Method. <i>Journal of Materials Science and Technology</i> , 2013, 29, 34-38.	5.6	99
137	Magnetic Hyperthermia Properties of Electrosynthesized Cobalt Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11405-11411.	1.5	95
138	Tetracycline-ferrite nanocomposites formed via high-energy ball milling and the influence of milling conditions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 83, 184-192.	2.0	4
139	Fabrication, characterization, and magnetic properties of copper ferrite nanoparticles prepared by a simple, thermal-treatment method. <i>Materials Research Bulletin</i> , 2013, 48, 1439-1446.	2.7	111
140	Structural and Magnetic Properties of Nano-structured Eu ³⁺ Substituted M-Type Hexaferrites Synthesized by Sol-Gel Auto-combustion Technique. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 3315-3323.	0.8	25
141	Facile Synthesis of ZnFe ₂ O ₄ Nanoparticles with Tunable Magnetic and Sensing Properties. <i>Langmuir</i> , 2013, 29, 8997-9003.	1.6	166
142	One-pot synthesis of stable colloidal solutions of MFe ₂ O ₄ nanoparticles using oleylamine as solvent and stabilizer. <i>Materials Research Bulletin</i> , 2013, 48, 966-972.	2.7	39
143	Tuning of magnetic properties in cobalt ferrite by varying Fe ²⁺ and Co ²⁺ molar ratios. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 345, 1-6.	1.0	36
144	Electron paramagnetic resonance, magnetic and electrical properties of CoFe ₂ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 339, 40-45.	1.0	45
145	Synthesis of novel Zn _x Co _{1-x} Al _{0.5} Fe _{1.46} La _{0.04} O ₄ ; 0.0 ≤ x ≤ 0.6 nanowires, and optimization of their transport and magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 331, 256-263.	1.0	7
146	Synthesis, structural, magnetic and electrical properties of Co _{1-x} Zn _x Fe ₂ O ₄ (x=0.0, 0.2) nanoparticles. <i>Materials Research Bulletin</i> , 2013, 48, 646-654.	2.7	26
147	Partial cationic inversion-induced magnetic hardening of densely packed 23-nm-sized nanocrystallite-interacting nickel ferrite electrospun nanowires. <i>Applied Physics Letters</i> , 2013, 103, 232410.	1.5	23
148	Effect of antisite defects on the magnetic properties of ZnFe ₂ O ₄ . <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 1892-1897.	0.8	26
149	STRUCTURAL PROPERTIES AND MICROSTRUCTURE OF COBALT FERRITE PARTICLES SYNTHESIZED BY A SOL-GEL AUTO COMBUSTION METHOD. <i>International Journal of Modern Physics Conference Series</i> , 2013, 22, 558-563.	0.7	10

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150	Synthesis and Characterization of Ni-Zn Ferrite Nanoparticles (Ni _{0.25} Zn _{0.75} Fe ₂ O ₄) by Thermal Treatment Method. <i>Advances in Nanoparticles</i> , 2013, 02, 378-383.	0.8	28
151	Radiolytic Formation of Fe ₃ O ₄ Nanoparticles: Influence of Radiation Dose on Structure and Magnetic Properties. <i>PLoS ONE</i> , 2014, 9, e90055.	1.1	54
152	Influence of Zinc on the Structure and Morphology of Manganese Ferrite Nanoparticles. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 69, .	0.3	1
153	Application of magnetically modified sewage sludge ash (SSA) in ionic dye adsorption. <i>Journal of the Air and Waste Management Association</i> , 2014, 64, 141-149.	0.9	8
155	Synthesis and characterization of magnetic Ni _{0.3} Zn _{0.7} Fe ₂ O ₄ /polyvinyl acetate (PVAC) nanocomposite. <i>Journal of Polymer Engineering</i> , 2014, 34, 823-828.	0.6	1
156	Modification using additional NaOH for the preparation of Fe ₂ O ₃ nanoparticles by chemically induced transition. <i>Micro and Nano Letters</i> , 2014, 9, 782-786.	0.6	4
157	Recording-media-related morphology and magnetic properties of crystalline CoPt ₃ and CoPt ₃ -Au core-shell nanoparticles synthesized via reverse microemulsion. <i>Journal of Applied Physics</i> , 2014, 116, 093907.	1.1	4
158	ZnFe ₂ O ₄ Nanotubes: Microstructure and Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30145-30152.	1.5	43
159	Zn _x Cu(1-x)Fe ₂ O ₄ Nanoferrites by Sol-Gel Auto Combustion Route: Cation Distribution and Microwave Absorption Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 963-970.	1.9	6
160	Effects of Solvent Diols on the Synthesis of ZnFe ₂ O ₄ Particles and Their Use as Heterogeneous Photo-Fenton Catalysts. <i>Materials</i> , 2014, 7, 6281-6290.	1.3	45
161	CoMn _{0.2} Fe _{1.8} O ₄ ferrite nanoparticles engineered by sol-gel technology: an expert and versatile catalyst for the reduction of nitroaromatic compounds. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18848-18860.	5.2	39
162	Nanocrystalline Ce doped CoFe ₂ O ₄ as an acetone gas sensor. <i>Ceramics International</i> , 2014, 40, 447-452.	2.3	70
163	Recycling spent zinc-carbon batteries through synthesizing nano-crystalline Mn-Zn ferrites. <i>Powder Technology</i> , 2014, 258, 32-37.	2.1	24
164	Neutron and X-ray diffraction study of ferrite nanocrystals obtained by microwave-assisted growth. A structural comparison with the thermal synthetic route. <i>Journal of Applied Crystallography</i> , 2014, 47, 414-420.	1.9	42
165	High frequency AC response, DC resistivity and magnetic studies of holmium substituted Ni-ferrite: A novel electromagnetic material. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 349, 27-34.	1.0	59
166	Coprecipitation of Oxalates: An Easy and Reproducible Wet-Chemistry Synthesis Route for Transition-Metal Ferrites. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 875-887.	1.0	30
167	Impact of larger rare earth Pr ³⁺ ions on the physical properties of chemically derived Pr _x CoFe _{2-x} O ₄ nanoparticles. <i>Chemical Physics</i> , 2014, 429, 20-26.	0.9	75
168	Synthesis of Mn-Zn ferrite nanoparticles by the oil-in-water microemulsion reaction method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 451, 161-171.	2.3	43

#	ARTICLE	IF	CITATIONS
169	Controlled synthesis of CoFe ₂ O ₄ nano-octahedra. Powder Technology, 2014, 256, 482-489.	2.1	33
170	Chitosan-triphosphate nanoparticles for encapsulation of super-paramagnetic iron oxide as an MRI contrast agent. Carbohydrate Polymers, 2014, 104, 231-237.	5.1	60
171	Facile reduction of nitrophenols: Comparative catalytic efficiency of MFe ₂ O ₄ (M=Ni, Cu, Zn) nano ferrites. International Journal of Hydrogen Energy, 2014, 39, 4895-4908.	3.8	192
172	A comprehensive overview on the structure and comparison of magnetic properties of nanocrystalline synthesized by a thermal treatment method. Journal of Physics and Chemistry of Solids, 2014, 75, 315-327.	1.9	67
173	Structural, magnetic and electrical characterization of Mg ²⁺ -Ni nano-crystalline ferrites prepared through egg-white precursor. Journal of Magnetism and Magnetic Materials, 2014, 363, 6-12.	1.0	69
174	New Mg _{0.5} Co _x Zn _{0.5-x} Fe ₂ O ₄ nano-ferrites: Structural elucidation and electromagnetic behavior evaluation. Current Applied Physics, 2014, 14, 716-720.	1.1	109
175	Tuneable magnetic properties of hydrothermally synthesised core/shell CoFe ₂ O ₄ /NiFe ₂ O ₄ and NiFe ₂ O ₄ /CoFe ₂ O ₄ nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	13
176	Influence of Cd ²⁺ ions on the structural, electrical, optical and magnetic properties of Co ²⁺ -Zn nanoferrites prepared by sol gel auto combustion method. Journal of Molecular Structure, 2014, 1071, 95-102.	1.8	33
177	Large-scale production of strontium ferrite by molten-salt-assisted coprecipitation. Powder Technology, 2014, 262, 142-149.	2.1	37
178	A novel synthetic route for magnesium aluminate (MgAl ₂ O ₄) nanoparticles using sol-gel auto combustion method and their photocatalytic properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 329-334.	2.0	166
179	Incorporation of pyrene in polypyrrole/polystyrene magnetic beads. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 667-673.	2.0	3
180	Superparamagnetic magnesium ferrite nanoparticles fabricated by a simple, thermal-treatment method. Journal of Magnetism and Magnetic Materials, 2014, 350, 141-147.	1.0	88
181	Effect of Cr and Al substitution cations on the structural and magnetic properties of Ni _{0.6} Zn _{0.4} Fe _{2-x} Cr _x /2Al _x /2O ₄ nanoparticles synthesized using the sol-gel auto-combustion method. Journal of Magnetism and Magnetic Materials, 2014, 354, 136-145.	1.0	57
182	Synthesis, structure and electromagnetic properties of Mn ²⁺ -Zn ferrite by sol-gel combustion technique. Journal of Magnetism and Magnetic Materials, 2014, 349, 116-120.	1.0	46
183	ZnFe ₂ O ₄ nanoparticles dispersed in a highly porous silica aerogel matrix: a magnetic study. Physical Chemistry Chemical Physics, 2014, 16, 4843.	1.3	43
184	Structural and magnetic properties of Co ²⁺ -Al substituted Ni ferrites synthesized by co-precipitation method. Journal of Molecular Structure, 2014, 1058, 136-141.	1.8	42
185	Structural and magnetic evaluation of substituted NiZnFe ₂ O ₄ particles synthesized by conventional sol-gel method. Ceramics International, 2014, 40, 2825-2834.	2.3	111
186	Kinetics of ionic dyes adsorption with magnetic ⁺ -modified sewage sludge. Environmental Progress and Sustainable Energy, 2014, 33, 905-912.	1.3	8

#	ARTICLE	IF	CITATIONS
187	Hot injection thermolysis of heterometallic pivalate clusters for the synthesis of monodisperse zinc and nickel ferrite nanoparticles. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6781-6789.	2.7	14
188	Effect of CuMn ₂ O ₄ spinel in Cu-Mn oxide catalysts on selective catalytic reduction of NO _x with NH ₃ at low temperature. <i>RSC Advances</i> , 2014, 4, 25540.	1.7	90
189	Effect of zinc substitution on magneto-optical properties of Mn _{1-x} Zn _x Fe ₂ O ₄ /SiO ₂ nanocomposites. <i>Ceramics International</i> , 2014, 40, 13401-13408.	2.3	51
190	Effects of sintering process on the structural, magnetic and thermal properties of Ni _{0.92} Ca _{0.08} Fe ₂ O ₄ nanoferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 370, 54-61.	1.0	11
191	Magnetic polymer nanocomposites for environmental and biomedical applications. <i>Colloid and Polymer Science</i> , 2014, 292, 2025-2052.	1.0	228
192	Microstructure parameters and optical properties of cadmium ferrite thin films of variable thickness. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 919-925.	1.1	19
193	Correlation between magnetic and electrical properties of Co _{0.6} Sn _{0.4} Fe ₂ O ₄ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	3
194	Magnetic, electric and thermal properties of cobalt ferrite nanoparticles. <i>Materials Research Bulletin</i> , 2014, 59, 49-58.	2.7	116
195	Impacts of Ni-Co substitution on the structural, magnetic and dielectric properties of magnesium nano-ferrites fabricated by micro-emulsion method. <i>Journal of Alloys and Compounds</i> , 2014, 584, 363-368.	2.8	102
196	Synthesis and characterization of a mixture of CoFe ₂ O ₄ and MgFe ₂ O ₄ from layered double hydroxides: Band gap energy and magnetic responses. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 369, 249-259.	1.0	31
197	Corrosion behavior of magnetic ferrite coating prepared by plasma spraying. <i>Materials Research Bulletin</i> , 2014, 60, 359-366.	2.7	12
198	Parametric optimization of NiFe ₂ O ₄ nanoparticles synthesized by mechanical alloying. <i>Materials Science-Poland</i> , 2014, 32, 281-291.	0.4	12
199	Cr ³⁺ and Al ³⁺ co-substituted zinc ferrite: Structural analysis, magnetic and electrical properties. <i>Polyhedron</i> , 2014, 70, 110-118.	1.0	45
200	Local structure and magnetic property of Ni _{1-x} Zn _x Fe ₂ O ₄ (x=0, 0.25, 0.50, 0.75, 1.00) nanoparticles prepared by hydrothermal method. <i>Microelectronic Engineering</i> , 2014, 126, 19-26.	1.1	13
202	Magnetic and Optical Properties of Mn _{1-x} Zn _x Fe ₂ O ₄ Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 729-736.	1.9	36
203	The effect of the sol-gel autocombustion synthesis conditions on the Mn-Zn ferrite magnetic properties. <i>Journal of Alloys and Compounds</i> , 2014, 604, 1-7.	2.8	25
204	A Novel Research on Behavior of Zinc Ferrite Nanoparticles in Different Concentration of Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	24
205	- Elementary Excitations in Magnetic Nanoparticles Probed with ⁵⁷ Fe Nuclear Magnetic Resonance and Mössbauer Spectroscopy. , 2014, , 142-171.		3

#	ARTICLE	IF	CITATIONS
206	Fabrication of SrFe ₁₂ O ₁₉ -P ₂ O ₅ -CaO-Na ₂ O Bioactive Glass-Ceramics at Various Sintering Temperatures. <i>Ferroelectrics</i> , 2015, 489, 35-42.	0.3	2
207	Effect of maghemization on the magnetic properties of nonstoichiometric pseudo-single-domain magnetite particles. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2969-2979.	1.0	12
208	Structural, dielectric and magnetic properties of nickel substituted cobalt ferrite nanoparticles: Effect of nickel concentration. <i>AIP Advances</i> , 2015, 5, .	0.6	118
209	Order-Disorder Phase Transition and Magneto-Dielectric Properties of (1-x)LiFe ₅ O ₈ -xLi ₂ ZnTi ₃ O ₈ Spinel-Structured Solid Solution Ceramics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2122-2129.	1.9	7
210	Synthesis, Structural Features, Cytotoxicity, and Magnetic Properties of Colloidal Ferrite Spinel Co _{1-x} Ni _x Fe ₂ O ₄ (0.1 ≤ x ≤ 0.9) Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4750-4760.	1.6	16
211	Cu(I) Modification during Fe ₂ O ₃ Nanoparticles Synthesis and Subsequent Characterization. <i>Journal of Chemistry</i> , 2015, 2015, 1-9.	0.9	3
212	A facile low temperature method for the synthesis of CoFe ₂ O ₄ nanoparticles possessing excellent microwave absorption properties. <i>RSC Advances</i> , 2015, 5, 51130-51134.	1.7	35
213	Characterization of Mesoporous Cobalt Ferrite Foam Fabricated from Sol-Gel-Derived Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 2831-2838.	0.8	8
214	Separation of Zinc from High Iron-Bearing Zinc Calcines by Reductive Roasting and Leaching. <i>Jom</i> , 2015, 67, 1988-1996.	0.9	13
215	Studies on structural and magnetic properties of ternary cobalt magnesium zinc (CMZ) Co _{0.6-x} Mg _x Zn _{0.4} Fe ₂ O ₄ (x=0.0, 0.2, 0.4, 0.6) ferrite nanoparticles. <i>Materials Chemistry and Physics</i> , 2015, 162, 332-339.	2.0	37
216	Facile protocol for reduction of nitroarenes using magnetically recoverable Co _{0.2} Fe _{1.8} O ₄ (M = Co, Ni, Cu and Zn) ferrite nanocatalysts. <i>RSC Advances</i> , 2015, 5, 51347-51363.	1.7	35
217	Electrical properties and hyperfine interactions of boron doped Fe ₃ O ₄ nanoparticles. <i>Superlattices and Microstructures</i> , 2015, 88, 450-466.	1.4	28
218	Nanoferrites of Transition Metals and their Catalytic Activity. <i>Solid State Phenomena</i> , 0, 241, 126-138.	0.3	12
219	Sonochemical Synthesis of Magnetic Nanoparticles. <i>Chemical Engineering Communications</i> , 2015, 202, 616-621.	1.5	29
220	Preparation, characterization and magnetization of nano and bulk Ni _{0.5} Co _{0.5} -xLi _x Fe _{2-x} O ₄ samples. <i>Journal of Molecular Structure</i> , 2015, 1084, 128-134.	1.8	10
221	Synthesis of electrocrystallized cobalt ferrite nanopowders by tuning the cobalt salt concentration. <i>RSC Advances</i> , 2015, 5, 14796-14803.	1.7	23
222	Chapter 5. Present and future prospects in heterogeneous catalysts for C1 chemistry. <i>Catalysis</i> , 0, , 187-208.	0.6	5
223	Structural and magnetic properties of Cr doped NiZn-ferrite nanoparticles prepared by surfactant assisted hydrothermal technique. <i>Ceramics International</i> , 2015, 41, 6417-6423.	2.3	67

#	ARTICLE	IF	CITATIONS
224	In situ powder X-ray diffraction study of magnetic CoFe_2O_4 nanocrystallite synthesis. <i>Nanoscale</i> , 2015, 7, 3481-3490.	2.8	49
225	Effect of TEA on the structural and magnetic properties of ferromagnetic ZnFe_2O_4 nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 547-553.	1.1	4
226	Synthesis and characterization of robust magnetic carriers for bioprocess applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 193, 217-228.	1.7	12
227	Synthesis and Characterization of $\text{Co}_x\text{Zn}_{1-x}\text{AlFe}_2\text{O}_4$ Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 747-754.	1.9	33
228	Inkjet printing of NiZn-ferrite films and their magnetic properties. <i>Ceramics International</i> , 2015, 41, 8023-8027.	2.3	16
229	Synthesis and magnetic properties of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ($x=0\text{--}1$) nanopowders by thermal decomposition of Co(II), Zn(II) and Fe(III) carboxylates. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 393, 92-98.	1.0	25
230	Cr^{3+} -substitution induced structural reconfigurations in the nanocrystalline spinel compound ZnFe_2O_4 as revealed from X-ray diffraction, positron annihilation and Mössbauer spectroscopic studies. <i>RSC Advances</i> , 2015, 5, 64966-64975.	1.7	22
231	Combustion synthesis of Mg^{2+} -Er ferrite nanoparticles: Cation distribution and structural, optical, and magnetic properties. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 631-642.	1.9	103
232	Synthesis of well-dispersed magnetic CoFe_2O_4 nanoparticles in cellulose aerogels via a facile oxidative co-precipitation method. <i>Carbohydrate Polymers</i> , 2015, 134, 144-150.	5.1	53
233	Synthesis and characterization of nanocrystalline zinc ferrite spinel powders by homogeneous precipitation method. <i>Ceramics International</i> , 2015, 41, 14684-14691.	2.3	38
234	Up-scalable synthesis of size-controlled copper ferrite nanocrystals by thermal treatment method. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 564-569.	1.9	94
235	Size dependent electrical and magnetic properties of mechanically-activated MnFe_2O_4 nanoferrite. <i>Ceramics International</i> , 2015, 41, 13042-13054.	2.3	21
236	Structural phase change in $\text{Co}_{2.25}\text{Fe}_{0.75}\text{O}_4$ spinel oxide by vacuum annealing and role of coexisting CoO phase on magnetic properties. <i>Journal of Alloys and Compounds</i> , 2015, 646, 161-169.	2.8	30
237	Magnetic titanium dioxide based nanomaterials: synthesis, characteristics, and photocatalytic application in pollutant degradation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17511-17524.	5.2	77
238	Microwave combustion synthesis of zinc substituted nanocrystalline spinel cobalt ferrite: Structural and magnetic studies. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 1-10.	1.9	65
239	Synthesis, Characterization and Effect of Precipitating Agent on the Antibacterial Properties of Cobalt Ferrite Nanoparticles. <i>Transactions of the Indian Ceramic Society</i> , 2015, 74, 79-82.	0.4	8
240	Hierarchical Formation Mechanism of CoFe_2O_4 Mesoporous Assemblies. <i>ACS Nano</i> , 2015, 9, 7277-7286.	7.3	30
241	A general approach to the synthesis and detailed characterization of magnetic ferrite nanocubes. <i>Nanoscale</i> , 2015, 7, 12641-12649.	2.8	76

#	ARTICLE	IF	CITATIONS
242	Fabrication of a novel chromium-iron oxide (Cr ₂ Fe ₆ O ₁₂) nanoparticles by thermal treatment method. Journal of Magnetism and Magnetic Materials, 2015, 389, 113-119.	1.0	19
243	Fine MnFe ₂ O ₄ nanoparticles for potential environmental applications. Journal of Thermal Analysis and Calorimetry, 2015, 121, 1003-1010.	2.0	18
244	Influence of the divalent and trivalent ions substitution on the structural and magnetic properties of Mg _{0.5} ^x Cd ^x Co _{0.5} Cr _{0.04} Tb ^y Fe _{1.96} ^y O ₄ ferrites prepared by sol-gel method. Journal of Magnetism and Magnetic Materials, 2015, 387, 147-154.	1.0	33
245	EXAFS study of cations distribution dependence of magnetic properties in Co _{1-x} Zn _x Fe ₂ O ₄ nanoparticles prepared by hydrothermal method. Microelectronic Engineering, 2015, 146, 68-75.	1.1	28
246	Structural, magnetic and Raman study of CoFe ₂ O ₄ @C core-shell nanoparticles. Ceramics International, 2015, 41, 10736-10744.	2.3	12
247	Modification of Nickel Ferrite with Cationic Surfactant: Dye Removal from Textile Wastewater Using Magnetic Separation. Journal of Environmental Engineering, ASCE, 2015, 141, .	0.7	8
248	Microwave Assisted Synthesis and Characterization of Co _x Zn _{1-x} Cr _{0.5} Fe _{0.5} O ₄ Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 619-626.	1.9	13
249	Fabrication and magnetic properties of NiFe ₂ O ₄ nanofibers obtained by electrospinning. Ceramics International, 2015, 41, 8133-8141.	2.3	26
250	Correlating Size and Composition-Dependent Effects with Magnetic, Mössbauer, and Pair Distribution Function Measurements in a Family of Catalytically Active Ferrite Nanoparticles. Chemistry of Materials, 2015, 27, 3572-3592.	3.2	77
251	Finite size effect on Sm ³⁺ doped Mn _{0.5} Zn _{0.5} Sm ₂ O ₄ (0 ≤ x ≤ 0.5) ferrite nanoparticles. Ceramics International, 2015, 41, 8623-8629.	2.3	36
252	Adsorption of sulfamethoxazole and 17β-estradiol by carbon nanotubes/CoFe ₂ O ₄ composites. Chemical Engineering Journal, 2015, 274, 17-29.	6.6	148
253	Magneto Optical Properties of Fe _x Fe _{2-x} O ₄ Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1111-1119.	1.9	40
254	Synthesis and Characterization of Co-Zn Ferrite Nanoparticles by Hydrothermal Method: A Comparative Study. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	5
255	Super-Paramagnetic Nanoparticles with Spinel Structure: A Review of Synthesis and Biomedical Applications. Solid State Phenomena, 0, 241, 139-176.	0.3	26
256	Nanocharacterization. , 2015, , 117-180.		4
257	Copper-cobalt synergy in Cu _{1-x} Co _x Fe ₂ O ₄ spinel ferrite as a highly efficient and regioselective nanocatalyst for the synthesis of 2,4-dinitrotoluene. RSC Advances, 2015, 5, 71911-71921.	1.7	22
258	Impact of Gd ³⁺ substitution on the structural, magnetic and electrical properties of cobalt ferrite nanoparticles. RSC Advances, 2015, 5, 73714-73725.	1.7	228
259	Y-Type Strontium Hexaferrite: the Role of Al Substitution, Structural, and Magnetic Consequence. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3579-3586.	0.8	15

#	ARTICLE	IF	CITATIONS
260	Improved structural, electrical and magnetic properties of Mn ²⁺ /Zn ²⁺ /Cd nanoferrites. <i>Ceramics International</i> , 2015, 41, 5072-5078.	2.3	33
261	Preparation of CoFe ₂ O ₄ magnetic fiber nanomaterial via a template-assisted solvothermal method. <i>Materials Letters</i> , 2015, 141, 238-241.	1.3	36
262	Cation distribution, structural, morphological and magnetic properties of Co _{1-x} Zn _x Fe ₂ O ₄ (x = 0-1) nanoparticles. <i>RSC Advances</i> , 2015, 5, 2338-2345.	1.7	184
263	Oxidative carbonylation of phenol to diphenyl carbonate by Pd/MO ⁺ -MnFe ₂ O ₄ magnetic catalyst. <i>Chemical Engineering Journal</i> , 2015, 278, 129-133.	6.6	40
264	Electrical Properties of Ni-Zn Ferrite Nanoparticles Prepared by Simplified Sol-Gel Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 983-987.	0.8	13
265	Investigations of Structural and Magnetic Properties of Nanostructured Ni _{0.5+x} Co _x Zn _{0.5-x} Fe ₂ O ₄ Magnetic Feeders for CSEM Application. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 625-637.	1.1	13
266	Effect of Pr ³⁺ Substitution on Structural and Magnetic Properties of CoFe ₂ O ₄ Spinel Ferrite Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 241-248.	0.8	10
267	Magnetic Properties of Spinel Cobalt-Manganese Ferrites. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	3
268	Effect of Ca substitution on some physical properties of nano-structured and bulk Ni-ferrite samples. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 374, 264-272.	1.0	32
269	Preparation and microwave absorption properties of Ni-Co nanoferrites. <i>Journal of Alloys and Compounds</i> , 2015, 618, 222-226.	2.8	87
270	Structural, Magnetic and In Vitro Bioactivity of Co-Cu Ferrite and Bioglass Composite for Hyperthermia in Bone Tissue Engineering. <i>Bioceramics Development and Applications</i> , 2016, 06, .	0.3	2
271	Characterization of Glasses in One Type of Alumina Rich Fly Ash by Chemical Digestion Methods: Implications for Alumina Extraction. <i>Journal of Chemistry</i> , 2016, 2016, 1-10.	0.9	1
272	Green Synthesis Methods of CoFe ₂ O ₄ and Ag-CoFe ₂ O ₄ Nanoparticles Using Hibiscus Extracts and Their Antimicrobial Potential. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-12.	1.5	75
273	Preparation of Magnetic Nanoparticles via a Chemically Induced Transition: Presence/Absence of Magnetic Transition on the Treatment Solution Used. <i>Journal of Chemistry</i> , 2016, 2016, 1-9.	0.9	2
274	Perspective of Fe ₃ O ₄ Nanoparticles Role in Biomedical Applications. <i>Biochemistry Research International</i> , 2016, 2016, 1-32.	1.5	163
275	Magnetostrictive Cobalt Ferrite, Nanoparticles Preparation and Magnetic Characterization. , 2016, , 366-366.		3
276	Effect of Precipitation Temperature on Structural and Magnetic Features of Polyethylene Glycol-Coated Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 2691-2697.	0.8	2
277	High Quality Magnetic Oxide Thin Films Prepared via Aqueous Solution Processing. <i>Chemistry of Materials</i> , 2016, 28, 4917-4927.	3.2	14

#	ARTICLE	IF	CITATIONS
278	Manipulation of structural, electrical and magnetic properties on zinc substitution in cobalt nanoferrite. , 2016, , .		1
279	FTIR and structural properties of co-precipitated cobalt ferrite nano particles. Journal of Physics: Conference Series, 2016, 776, 012023.	0.3	8
280	Ferrate(VI) a Greener Solution: Synthesis, Characterization, and Multifunctional Use in Treating Metal-Complexed Species in Aqueous Solution. ACS Symposium Series, 2016, , 161-220.	0.5	4
281	The effects of synthesis conditions on the magnetic properties of zinc ferrite spinel nanoparticles. Journal of Physics: Conference Series, 2016, 758, 012008.	0.3	11
282	Chiral nematic mesoporous magnetic ferrites. Journal of Materials Chemistry C, 2016, 4, 11382-11386.	2.7	7
283	Spin Seebeck effect in a weak ferromagnet. Applied Physics Letters, 2016, 108, .	1.5	16
284	Alternate current magnetic property characterization of nonstoichiometric zinc ferrite nanocrystals for inductor fabrication via a solution based process. Journal of Applied Physics, 2016, 119, .	1.1	13
285	Synthesis of nano-crystalline NiFe ₂ O ₄ powders in subcritical and supercritical ethanol. Journal of Supercritical Fluids, 2016, 113, 96-105.	1.6	11
286	Role of pH value during material synthesis and grain-grain boundary contribution on the observed semiconductor to metal like conductivity transition in Ni _{1.5} Fe _{1.5} O ₄ spinel ferrite. Materials Chemistry and Physics, 2016, 177, 417-428.	2.0	24
287	Non-interacting Néel-Brown or interacting Vogel-Fulcher models in magnetic CoFe ₂ Gd _{0.4} O ₄ nanocrystals. Journal of Magnetism and Magnetic Materials, 2016, 417, 11-20.	1.0	5
288	Quaternary M _{0.25} Cu _{0.25} Mg _{0.5} Fe ₂ O ₄ (M=Ni, Zn, Co, Mn) ferrite oxides: Synthesis, characterization and magnetic properties. Materials Research Bulletin, 2016, 81, 63-70.	2.7	21
289	Improvement in magnetic behaviour of cobalt doped magnesium zinc nano-ferrites via co-precipitation route. Journal of Alloys and Compounds, 2016, 684, 569-581.	2.8	158
290	Fuel aided rapid synthesis and room temperature ferromagnetism of M _{0.1} Co _{0.1} Zn _{0.8} O (M=Mn, Ni, Fe) Tj ETQq0 0,0 rgBT /Oyerlock 10	2.3	6
291	Synthesis, Characterization, and Influence of Fuel on Dielectric and Magnetic Properties of Cobalt Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1317-1323.	0.8	7
292	Novel praseodymium-doped copper ferrite: synthesis, characterization, and its photocatalyst application. Journal of Materials Science: Materials in Electronics, 2016, 27, 6974-6978.	1.1	4
293	Miniaturization of body worn antenna using nano magneto-dielectric composite as substrate in C-band. Journal of Magnetism and Magnetic Materials, 2016, 414, 209-218.	1.0	9
294	Synthesis and characterization of iron oxide nanoparticles prepared hydrothermally at different reaction temperatures and <i>pH</i>. International Journal of Materials Research, 2016, 107, 942-947.	0.1	2
295	Synthesis and characterization of carbon-coated cobalt ferrite nanoparticles. International Journal of Minerals, Metallurgy and Materials, 2016, 23, 1104-1111.	2.4	10

#	ARTICLE	IF	CITATIONS
296	Fabrication of spherical CoFe ₂ O ₄ nanoparticles via sol-gel and hydrothermal methods and investigation of their magnetorheological characteristics. RSC Advances, 2016, 6, 89510-89522.	1.7	35
297	Anisotropy and domain state dependent enhancement of single domain ferrimagnetism in cobalt substituted Ni-Zn ferrites. New Journal of Chemistry, 2016, 40, 9275-9284.	1.4	20
298	Towards improved efficiency of bulk-heterojunction solar cells using various spinel ferrite magnetic nanoparticles. Organic Electronics, 2016, 39, 118-126.	1.4	29
299	Size and Chemistry Controlled Cobalt-Ferrite Nanoparticles and Their Anti-proliferative Effect against the MCF-7 Breast Cancer Cells. ACS Biomaterials Science and Engineering, 2016, 2, 2139-2152.	2.6	46
300	Phosphate removal using zinc ferrite synthesized through a facile solvothermal technique. Powder Technology, 2016, 301, 723-729.	2.1	53
301	Synthesis of nanocrystalline cobalt ferrite through soft chemistry methods: A green chemistry approach using sesame seed extract. Materials Chemistry and Physics, 2016, 182, 219-230.	2.0	47
302	Novel magnetodielectric cobalt ferrite-titania-silica ceramic composites with tunable dielectric properties. Ceramics International, 2016, 42, 16650-16654.	2.3	0
303	Preparation of Magnesium, Cobalt and Nickel Ferrite Nanoparticles from Metal Oxides using Deep Eutectic Solvents. Chemistry - A European Journal, 2016, 22, 13108-13113.	1.7	35
304	Smart magnetic markers use in hydraulic fracturing. Chemosphere, 2016, 162, 23-30.	4.2	13
305	Multiple parallel twinning overgrowth in nanostructured dense cobalt ferrite. Materials and Design, 2016, 109, 19-26.	3.3	9
306	Effect of Cu ²⁺ substitution on structural and magnetic properties of Ni-Zn ferrite nanopowders. Journal of Materials Science: Materials in Electronics, 2016, 27, 11447-11456.	1.1	8
307	In Situ Nanoscale Electric Field Control of Magnetism by Nanoionics. Advanced Materials, 2016, 28, 7658-7665.	11.1	52
308	Recent advancements in chemical looping water splitting for the production of hydrogen. RSC Advances, 2016, 6, 98267-98296.	1.7	133
309	Prenucleation formations in control over synthesis of CoFe ₂ O ₄ nanocrystalline powders. Russian Journal of Applied Chemistry, 2016, 89, 851-856.	0.1	14
310	Structure and magnetic properties of Zr-Mn substituted strontium hexaferrite Sr(Zr,Mn) _x Fe _{12-2x} O ₁₉ nanoparticles synthesized by sol-gel auto-combustion method. Bulletin of Materials Science, 2016, 39, 1311-1318.	0.8	9
311	Photoelectrochemical and theoretical investigations of spinel type ferrites (M _x Fe _{3-x} O ₄) for water splitting: a mini-review. Journal of Photonics for Energy, 2016, 7, 012009.	0.8	111
312	Cytotoxic Effects of Co-Mn-Fe ₂ O ₄ Ferrite Nanoparticles Synthesized under Non-Hydrolytic Conditions (Bradley's Reaction) - In Vitro. European Journal of Inorganic Chemistry, 2016, 2016, 5315-5323.	1.0	10
313	A SPION-eicosane protective coating for water soluble capsules: Evidence for on-demand drug release triggered by magnetic hyperthermia. Scientific Reports, 2016, 6, 20271.	1.6	19

#	ARTICLE	IF	CITATIONS
314	Non-stoichiometric Co(x), Ni(y), Zn(z)-ferrite nanospheres: size controllable synthesis, excellent gas-sensing and magnetic properties. RSC Advances, 2016, 6, 98994-99002.	1.7	41
315	Nonlinear transmittance and optical power limiting in magnesium ferrite nanoparticles: effects of laser pulsewidth and particle size. RSC Advances, 2016, 6, 106754-106761.	1.7	28
316	Effect of UV radiations to control particle size of Mn-Zn spinel ferrite nano-particles. IOP Conference Series: Materials Science and Engineering, 2016, 146, 012029.	0.3	4
317	Reactive polymeric microspheres: Catalytic reduction of a nitrobenzene derivative. Journal of Applied Polymer Science, 2016, 133, .	1.3	0
318	Engineering magnetoelectric composites towards application as tunable microwave filters. Journal Physics D: Applied Physics, 2016, 49, 125002.	1.3	23
319	CuFe $_{2-x}$ Lu $_x$ O $_4$ nanoparticles: synthesis through a green approach and its photocatalyst application. Journal of Materials Science: Materials in Electronics, 2016, 27, 8802-8806.	1.1	4
320	Structure, Microstructure, Magnetic, Electromagnetic, and Dielectric Properties of Nanostructured Mn $^{2+}$ Zn Ferrite Synthesized by Microwave-Induced Urea $^{2-}$ Nitrate Process. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2523-2534.	0.8	24
321	Structural and Magnetic study on Al substituted MgZn mixed ferrite powders prepared by Sol-Gel method. Materials Today: Proceedings, 2016, 3, 1363-1369.	0.9	1
322	Role of Mg in mesoporous MgFe_2O_4 for efficient catalytic ozonation of Acid Orange II . Journal of Chemical Technology and Biotechnology, 2016, 91, 985-993.	1.6	57
323	Structure and properties of MnZn ferrite nanoparticles synthesized via sol $^{2-}$ gel autocombustion method. Journal of Materials Science: Materials in Electronics, 2016, 27, 587-591.	1.1	5
324	Characterization and magnetic properties of cobalt ferrite nanoparticles. Journal of Alloys and Compounds, 2016, 664, 792-797.	2.8	85
325	Structural, Microstructural, and Magnetic Studies on Magnesium (Mg $^{2+}$)-Substituted CoFe $_2$ O $_4$ Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1025-1032.	0.8	17
326	Super-paramagnetic loaded nanoparticles based on biological macromolecules for in vivo targeted MR imaging. International Journal of Biological Macromolecules, 2016, 86, 233-241.	3.6	10
327	An overview of AB $_2$ O $_4$ - and A $_2$ BO $_4$ -structured negative electrodes for advanced Li-ion batteries. RSC Advances, 2016, 6, 21448-21474.	1.7	76
328	Tailoring the magnetic properties of cobalt-ferrite nanoclusters. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	13
329	Modeling and optimization of effective parameters on the size of synthesized Fe $_3$ O $_4$ superparamagnetic nanoparticles by coprecipitation technique using response surface methodology. Journal of Magnetism and Magnetic Materials, 2016, 405, 88-96.	1.0	13
330	Investigation of stabilization mechanism and size controlling of Fe $_3$ O $_4$ nanoparticles using anionic chelating agents. Applied Surface Science, 2016, 375, 50-56.	3.1	15
331	Optimizing and modeling of effective parameters on the structural and magnetic properties of Fe $_3$ O $_4$ nanoparticles synthesized by coprecipitation technique using response surface methodology. Journal of Magnetism and Magnetic Materials, 2016, 409, 134-142.	1.0	17

#	ARTICLE	IF	CITATIONS
332	Contribution of some divalent oxides replacing Li ₂ O to crystallization characteristics and properties of magnetic glass-ceramics based on Li ₂ O-Fe ₂ O ₃ -Al ₂ O ₃ -SiO ₂ . <i>Ceramics International</i> , 2016, 42, 8650-8656.	2.3	25
333	EXAFS analysis of cations distribution in structure of Co _{1-x} Ni _x Fe ₂ O ₄ nanoparticles obtained by hydrothermal method in aloe vera extract solution. <i>Applied Surface Science</i> , 2016, 380, 60-66.	3.1	20
334	Structural; magnetic and catalytic properties of nanocrystalline Cu _{0.5} Zn _{0.5} Fe ₂ O ₄ synthesized by microwave combustion and ball milling methods. <i>Journal of Molecular Structure</i> , 2016, 1114, 1-6.	1.8	16
335	Preparation and characterization of superparamagnetic nickel oxide particles by chemical route. <i>Applied Nanoscience (Switzerland)</i> , 2016, 6, 789-795.	1.6	19
336	Phase transformations in thin iron oxide films: Spectromicroscopic study of velocity and shape of the reaction fronts. <i>Surface Science</i> , 2016, 648, 177-187.	0.8	38
337	Spinel ferrite magnetic adsorbents: Alternative future materials for water purification?. <i>Coordination Chemistry Reviews</i> , 2016, 315, 90-111.	9.5	575
338	Effect of Various Spinel Ferrite Nanopigments Modified by Amino Propyl Trimethoxy Silane on the Corrosion Inhibition Properties of the Epoxy Nanocomposites. <i>Corrosion</i> , 2016, 72, 761-774.	0.5	38
339	Correlation between particle size and magnetic characteristics of Mn-substituted ZnFe ₂ O ₄ ferrites. <i>Superlattices and Microstructures</i> , 2016, 93, 50-56.	1.4	33
340	Effect of chromium substitution on the structural and magnetic properties of nanocrystalline zinc ferrite. <i>Materials Chemistry and Physics</i> , 2016, 174, 164-171.	2.0	50
341	Water dispersible CoFe ₂ O ₄ nanoparticles with improved colloidal stability for biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 404, 166-169.	1.0	73
342	Magnetically Separable Mn _x Zn _{1-x} Fe ₂ O ₄ ; (0.0 ≤ x ≤ 0.5) Nanostructures: Structural, Morphological, Opto-Magnetic, and Photocatalytic Properties. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 1277-1297.	0.6	6
343	Effect of Li-Cu doping on structural, electrical and magnetic properties of cobalt ferrite nanoparticles. <i>Ceramics International</i> , 2016, 42, 3666-3672.	2.3	15
344	Influence of Bi-doping on Mn _{1-x} Bi _x Fe ₂ O ₄ catalytic ozonation of di-n-butyl phthalate. <i>Chemical Engineering Journal</i> , 2016, 283, 622-630.	6.6	31
345	Incorporation of Cr ³⁺ ions in tuning the magnetic and transport properties of nano zinc ferrite. <i>Journal of Alloys and Compounds</i> , 2016, 657, 95-108.	2.8	5
346	Preparation and characterization of the magnesium aluminate nanoparticles via a green approach and its photocatalyst application. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 1427-1432.	1.1	38
347	Microstructural Characteristics and Magnetic Properties of Gadolinium-Substituted Cobalt Ferrite Nanocrystals Synthesized by Hydrothermal Processing. <i>Journal of Cluster Science</i> , 2016, 27, 1239-1251.	1.7	11
348	Study on the formation of Co _{1-x} Zn _x Fe ₂ O ₄ system using two low-temperature synthesis methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 117-126.	2.0	8
349	Research progress on iron oxide-based magnetic materials: Synthesis techniques and photocatalytic applications. <i>Ceramics International</i> , 2016, 42, 9-34.	2.3	168

#	ARTICLE	IF	CITATIONS
350	CoFe ₂ O ₄ magnetic ceramic derived from gel and densified by spark plasma sintering. Journal of Alloys and Compounds, 2016, 656, 854-862.	2.8	31
351	Spinel ferrite oxide semiconductor gas sensors. Sensors and Actuators B: Chemical, 2016, 222, 95-105.	4.0	360
352	Structural, impedance and Mössbauer studies of magnesium ferrite synthesized via sol-gel auto-combustion process. Journal of Saudi Chemical Society, 2017, 21, 899-910.	2.4	68
353	Thermal stability of the solvothermal-synthesized MnFe ₂ O ₄ nanopowder. Journal of Thermal Analysis and Calorimetry, 2017, 127, 155-162.	2.0	18
354	Impact of Dy on structural, dielectric and magnetic properties of Li-Tb-nanoferrites synthesized by micro-emulsion method. Ceramics International, 2017, 43, 5524-5533.	2.3	36
355	Investigation of structural and magnetic properties of Zr-Co doped nickel ferrite nanomaterials. Journal of Magnetism and Magnetic Materials, 2017, 429, 142-147.	1.0	46
356	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
357	Transforming single domain magnetic CoFe ₂ O ₄ nanoparticles from hydrophobic to hydrophilic by novel mechanochemical ligand exchange. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	30
358	Cation distribution and magnetic analysis of wideband microwave absorptive Co _x Ni _{1-x} Fe ₂ O ₄ ferrites. Ceramics International, 2017, 43, 6987-6995.	2.3	104
359	Statistical approach of synthesize CoFe ₂ O ₄ nanoparticles to optimize their characteristics using response surface methodology. Journal of Magnetism and Magnetic Materials, 2017, 432, 362-372.	1.0	9
360	Preparation of magnetic nanoparticles via chemically induced transition. Nanomaterials and Nanotechnology, 2017, 7, 184798041668716.	1.2	8
361	Magnetic and Magnetocaloric Properties of Zn _{1-x} Co _x Fe ₂ O ₄ Nanoparticles. Journal of Electronic Materials, 2017, 46, 4214-4226.	1.0	21
362	Synthesis and physical characterization of Fe ³⁺ -Fe ₂ O ₃ and (Fe ²⁺ +Fe ³⁺)-Fe ₂ O ₃ nanoparticles. Journal of the Korean Physical Society, 2017, 70, 150-154.	0.3	4
363	Gd doped Mn-Zn soft ferrite nanoparticles: Superparamagnetism and its correlation with other physical properties. Journal of Magnetism and Magnetic Materials, 2017, 432, 208-217.	1.0	68
364	Studies on structural, optical and magnetic properties of cobalt substituted magnetite fluids (Co _x Fe _{1-x} Fe ₂ O ₄). Materials Research Express, 2017, 4, 035906.	0.8	29
365	Eclectic Hydroxylation of Benzene to Phenol Using Ferrites of Fe and Zn as Durable and Magnetically Retrievable Catalysts. ACS Sustainable Chemistry and Engineering, 2017, 5, 4811-4819.	3.2	19
366	Ab-initio optical properties and dielectric response of open-shell spinel zinc ferrite. European Physical Journal B, 2017, 90, 1.	0.6	7
367	Interplay of dopants and defects in magnetic evolution of La and Fe co-doped TiO ₂ nanoparticle. Journal of Sol-Gel Science and Technology, 2017, 83, 365-374.	1.1	8

#	ARTICLE	IF	CITATIONS
368	Covalently bonded polyaniline/graphene composites as high-performance electromagnetic (EM) wave absorption materials. Composites Part A: Applied Science and Manufacturing, 2017, 99, 121-128.	3.8	155
369	Direct observation of cation distributions of ideal inverse spinel $\text{CoFe}_{2}\text{O}_{4}$ nanofibres and correlated magnetic properties. Nanoscale, 2017, 9, 7493-7500.	2.8	40
370	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
371	Structure induced tunable magnetic properties of Zn substituted $\text{Mn}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ($x = 0 \leq x \leq 1$) NPs. Micro and Nano Letters, 2017, 12, 151-156.	0.6	8
372	Giant room temperature magnetoelectric response in strain controlled nanocomposites. Applied Physics Letters, 2017, 110, 202902.	1.5	19
373	Effect of Mg substitution on magnetic properties of $\text{Co}_{1-x}\text{Mg}_x\text{Fe}_2\text{O}_4$ nanoparticles investigated by EXAFS analysis. Ceramics International, 2017, 43, S351-S358.	2.3	8
374	A study on impact of zinc substitution on magneto-optic properties of manganese ferrite nanoferrofluids. Journal of Magnetism and Magnetic Materials, 2017, 441, 443-447.	1.0	8
375	Novel water insoluble $(\text{Na}_x\text{Ag}_{2-x})\text{MoO}_4$ ($0 \leq x \leq 2$) microwave dielectric ceramics with spinel structure sintered at 410 degrees. Journal of Materials Chemistry C, 2017, 5, 6086-6091.	2.7	68
376	Magnetic and morphological characterization of $\text{Bi}_2\text{Fe}_4\text{O}_9$ nanoparticles synthesized via a new reverse chemical co-precipitation method. Ceramics International, 2017, 43, 12120-12125.	2.3	18
377	Manipulation Over Phase Transformation in Iron Oxide Nanoparticles via Calcination Temperature and Their Effect on Magnetic and Dielectric Properties. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	11
378	Alginate-based nanocomposites for efficient removal of heavy metal ions. International Journal of Biological Macromolecules, 2017, 102, 272-283.	3.6	67
379	Characterization and antibacterial activity of nickel ferrite doped γ -alumina nanoparticle. Engineering Science and Technology, an International Journal, 2017, 20, 563-569.	2.0	30
380	Cation distribution and magnetic properties of $\text{Co}_x\text{Mg}_{1-x}\text{Fe}_2\text{O}_4$ nanoparticles. Journal of Alloys and Compounds, 2017, 697, 249-256.	2.8	11
381	Synthesis and characterization of cationic lipid coated magnetic nanoparticles using multiple emulsions as microreactors. Journal of Magnetism and Magnetic Materials, 2017, 426, 518-524.	1.0	12
382	Chemical looping combustion of biomass using metal ferrites as oxygen carriers. Chemical Engineering Journal, 2017, 312, 252-262.	6.6	56
383	Magnetic property tuning of epitaxial spinel ferrite thin films by strain and composition modulation. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	5
384	Structural and Magnetic Studies of Thermally Treated NiFe_2O_4 Nanoparticles. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 6135-6141.	1.1	2
385	Evolution and comparison of dc resistivity of $\text{NiZr}_x\text{Co}_x\text{Fe}_{2-2x}\text{O}_4$, $\text{Ni}_{0.5}\text{Sn}_{0.5}\text{Co}_x\text{Mn}_x\text{Fe}_{2-2x}\text{O}_4$, $\text{Mg}_{1-x}\text{Ca}_x\text{Ni}_y\text{Fe}_{2-2y}\text{O}_4$ and $\text{Mg}_{1-x}\text{Ni}_x\text{Co}_y\text{Fe}_{2-2y}\text{O}_4$ nanocrystalline materials. Materials Research Express, 2017, 4, 115009.	0.8	1

#	ARTICLE	IF	CITATIONS
386	Effects of postdeposition heat treatment on the structural and magnetic properties of CoFe ₂ O ₄ nanoparticles produced by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	17
387	Spinel Ferrite Nanoparticles: Synthesis, Crystal Structure, Properties, and Perspective Applications. <i>Springer Proceedings in Physics</i> , 2017, , 305-325.	0.1	110
388	Impact of grain size and structural changes on magnetic, dielectric, electrical, impedance and modulus spectroscopic characteristics of CoFe ₂ O ₄ nanoparticles synthesized by honey mediated sol-gel combustion method. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2017, 8, 045002.	0.7	152
389	Structural, optical and dielectric studies of Er substituted zinc ferrite nanospheres. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 111, 447-457.	1.9	29
390	A simple and low-cost route to recycle rare earth elements (La, Ce) from aqueous solution using magnetic nanoparticles of Co _x Mn _{1-x} Fe ₂ O ₄ (x = 0.2). <i>Tj ETQq0,0 0 rgBT /Overlock</i> 2017, 41, 11906-11914.	1.4	18
391	Influence of Zn concentration on the structural and magnetic properties of nanocrystalline Cu _{1-x} Zn _x Fe ₂ O ₄ mixed ferrites synthesized using novel combustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 443, 334-342.	1.0	17
392	Obtaining superhydrophobic magnetic nanoparticles applicable in the removal of oils on aqueous surface. <i>Materials Chemistry and Physics</i> , 2017, 200, 204-216.	2.0	12
393	Effective induction of death in mesothelioma cells with magnetite nanoparticles under an alternating magnetic field. <i>Materials Science and Engineering C</i> , 2017, 81, 90-96.	3.8	9
394	Structural, morphological and magnetic parameters investigation of multiferroic (1-x)Bi ₂ Fe ₄ O ₉ -xCoFe ₂ O ₄ nanocomposite ceramics. <i>Ceramics International</i> , 2017, 43, 14701-14709.	2.3	14
395	Crystallinity depends on choice of iron salt precursor in the continuous hydrothermal synthesis of Fe ²⁺ Co oxide nanoparticles. <i>RSC Advances</i> , 2017, 7, 37436-37440.	1.7	14
396	Enhanced degradation performance of sulfisoxazole using peroxymonosulfate activated by copper-cobalt oxides in aqueous solution: Kinetic study and products identification. <i>Chemical Engineering Journal</i> , 2017, 330, 345-354.	6.6	127
397	Advanced applications of tunable ferrofluids in energy systems and energy harvesters: A critical review. <i>Energy Conversion and Management</i> , 2017, 149, 660-674.	4.4	65
398	Effect of annealing temperatures on the electrical conductivity and dielectric properties of Ni _{1.5} Fe _{1.5} O ₄ spinel ferrite prepared by chemical reaction at different pH values. <i>Materials Research Express</i> , 2017, 4, 126105.	0.8	17
399	Preparation of Co ²⁺ Zn ferrite nano-based materials and their enhanced magnetic performance via inverse miniemulsion method. <i>Materials Research Express</i> , 2017, 4, 116101.	0.8	2
400	Fully Inkjet-Printed Ag-Coil/NiZn-Ferrite for Flexible Wireless Power Transfer Module: Rigid Sintered Ceramic Body into Flexible Form. <i>Advanced Functional Materials</i> , 2017, 27, 1701766.	7.8	17
401	Magnetic materials and water treatments for a sustainable future. <i>Research on Chemical Intermediates</i> , 2017, 43, 6911-6949.	1.3	42
402	Enduring effect of rare earth (Nd ³⁺) doping and γ -radiation on electrical properties of nanoparticle manganese zinc ferrite. <i>Journal of Alloys and Compounds</i> , 2017, 723, 266-275.	2.8	19
403	The effect of post-calcination on cation distributions and magnetic properties of the coprecipitated MgFe ₂ O ₄ nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	36

#	ARTICLE	IF	CITATIONS
404	Magnetic hyperthermia enhances cell toxicity with respect to exogenous heating. <i>Biomaterials</i> , 2017, 114, 62-70.	5.7	102
405	Synthesis of $Mn_xGa_{1-x}Fe_2O_4$ magnetic nanoparticles by thermal decomposition method for medical diagnosis applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 427, 272-275.	1.0	8
406	Ferrite nanoparticles: Synthesis, characterisation and applications in electronic device. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 215, 37-55.	1.7	405
407	Pegylated and amphiphilic Chitosan coated manganese ferrite nanoparticles for pH-sensitive delivery of methotrexate: Synthesis and characterization. <i>Materials Science and Engineering C</i> , 2017, 71, 504-511.	3.8	35
408	Application of peroxymonosulfate and its activation methods for degradation of environmental organic pollutants: Review. <i>Chemical Engineering Journal</i> , 2017, 310, 41-62.	6.6	1,802
409	Effect of synthesis methods with different annealing temperatures on micro structure, cations distribution and magnetic properties of nano-nickel ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 423, 291-300.	1.0	45
410	Synthesis and magnetic properties of cobalt ferrite nanoparticles prepared by contact low-temperature non-equilibrium plasma method. , 2017, , .		2
411	Adsorption of chromium (VI) on bismuth incorporated cobalt ferrite nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 263, 022022.	0.3	1
412	Study of Structural and Magnetic Properties of Silica and Polyethylene Glycol (PEG-4000)-Encapsulated Magnesium Nickel Ferrite ($Mg_{0.5}Ni_{0.5}Fe_2O_4$) Nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 202, 012047.	0.3	3
413	Preparation of nanoscale organosols and hydrosols via the phase transfer route. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	6
414	Effect of Synthesis Parameter on Crystal Structures and Magnetic Properties of Magnesium Nickel Ferrite ($Mg_{0.5}Ni_{0.5}Fe_2O_4$) Nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 202, 012045.	0.3	1
415	Spinel Ferrite Nanoparticles: Correlation of Structure and Magnetism. , 0, , .		18
416	Preparation of Magnetic Nanoparticles via a Chemically Induced Transition: Role of Treating Solution's Temperature. <i>Nanomaterials</i> , 2017, 7, 220.	1.9	10
417	Nanostructured Spinel Ferrites: Synthesis, Functionalization, Nanomagnetism and Environmental Applications. , 0, , .		7
418	Synthesis and Characterization of Hybrid $Ni_{0.5}Zn_{0.5}Fe_2O_4@SiO_2$ /chitosan. <i>Materials Research</i> , 2017, 20, 1534-1540.	0.6	0
419	Influence of silicon dioxide medium on the structural and electrical properties of nickel zinc ferrite. <i>Turkish Journal of Physics</i> , 2017, 41, 377-395.	0.5	0
420	Cation distribution effect on static and dynamic magnetic properties of $Co_{1-x}Zn_xFe_2O_4$ ferrite powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 456, 372-380.	1.0	46
421	Induced ferromagnetism in multilayered graphene in proximity with $CoFe_2O_4$. <i>AIP Advances</i> , 2018, 8, .	0.6	8

#	ARTICLE	IF	CITATIONS
422	Investigation on interaction induced cluster-shaped Zn-doped Fe ₃ O ₄ formation by in situ calorimetry. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1481-1488.	2.0	2
423	Removal of cobalt from liquid radioactive waste by in situ electrochemical synthesis of ferrite. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 61-70.	0.7	8
424	Superparamagnetic behavior of nanosized ZnFe ₂ O ₄ . Materials Today: Proceedings, 2018, 5, 9855-9859.	0.9	9
425	Magnetic, electric, mechanical, and optical properties of Ni _{1-x} Fe _{2x} O ₄ ferrites. Journal of Magnetism and Magnetic Materials, 2018, 461, 37-47.	1.0	27
426	Tuning of Magnetic and Optical Properties of Co _{0.8} Zn _{0.2} Fe ₂ O ₄ Spinel Ferrite Thin Films Based on Post Annealing Temperature. Journal of Superconductivity and Novel Magnetism, 2018, 31, 4095-4106.	0.8	8
427	Effect of Co concentration on crystal structures and magnetic properties of Ni _{1-x} Co _x Fe ₂ O ₄ nanoparticles synthesized by co-precipitation method. Integrated Ferroelectrics, 2018, 187, 194-202.	0.3	9
428	Co _{0.5} Zn _{0.5} Fe ₂ O ₄ /Ag ₃ PO ₄ : A magnetic, highly efficient visible-light photocatalyst and the Z-scheme mechanism for removal of anionic dye and tetracycline hydrochloride. Materials Science in Semiconductor Processing, 2018, 82, 46-53.	1.9	21
429	Magnetic anisotropies and cationic distribution in CoFe ₂ O ₄ nanoparticles prepared by co-precipitation route: Influence of particle size and stoichiometry. Journal of Magnetism and Magnetic Materials, 2018, 460, 243-252.	1.0	43
430	Sol-gel synthesis of substoichiometric cobalt ferrite (CoFe ₂ O ₄) spinels: Influence of additives on their stoichiometry and magnetic properties. Ceramics International, 2018, 44, 12381-12388.	2.3	49
431	Strain induced magnetism and superexchange interaction in Cr substituted nanocrystalline cobalt ferrite. Materials Chemistry and Physics, 2018, 211, 54-64.	2.0	38
432	Synthesis and Characterisation of Superparamagnetic MgFe ₂ O ₄ Nanoferrite. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3255-3262.	0.8	4
433	Microstructure and magnetic properties of cobalt ferrite nano powder prepared by solution combustion synthesis. Materials Chemistry and Physics, 2018, 209, 152-158.	2.0	21
434	Synthesis and characterization of cobalt ferrite nanoparticles prepared by the glycine-nitrate process. Ceramics International, 2018, 44, 8576-8581.	2.3	16
435	Effect of annealing temperature on the structural and magnetic properties of Ba-Pb-hexaferrite powders synthesized by sol-gel auto-combustion method. Ceramics International, 2018, 44, 8877-8889.	2.3	40
436	Effect of chitosan coating on the structural and magnetic properties of MnFe ₂ O ₄ and Mn _{0.5} Co _{0.5} Fe ₂ O ₄ nanoparticles. AIP Advances, 2018, 8, 056726.	0.6	15
438	Prussian Blue analogue derived porous NiFe ₂ O ₄ nanocubes for low-concentration acetone sensing at low working temperature. Chemical Engineering Journal, 2018, 338, 504-512.	6.6	116
439	A comparative study of the physical properties of Cu-Zn ferrites annealed under different atmospheres and temperatures: Magnetic enhancement of Cu _{0.5} Zn _{0.5} Fe ₂ O ₄ nanoparticles by a reducing atmosphere. Journal of Magnetism and Magnetic Materials, 2018, 452, 389-397.	1.0	67
440	Structural and magnetic transitions in spinel FeM_2O_4 single crystals. Physical Review B, 2018, 97, ...	1.1	25

#	ARTICLE	IF	CITATIONS
441	Cation Distributions and Magnetic Properties of Cu-Doped Nanosized MnFe_2O_4 Synthesized by the Coprecipitation Method. IEEE Transactions on Magnetism, 2018, 54, 1-5.	1.2	11
442	Defective magnesium ferrite nano-platelets for the adsorption of As(V): The role of surface hydroxyl groups. Environmental Pollution, 2018, 235, 11-19.	3.7	46
443	Non-stoichiometric zinc-doped spinel ferrite nanoparticles with enhanced magnetic property and their magnetorheology. Colloid and Polymer Science, 2018, 296, 405-409.	1.0	15
444	Microwave absorption properties of CoGd substituted ZnFe_2O_4 ferrites synthesized by co-precipitation technique. Ceramics International, 2018, 44, 5909-5914.	2.3	21
445	Effect of Fe/Pb molar ratio on the structure, magnetic and dielectric properties of $\text{PbFe}_{12}\text{O}_{19}$ nanoparticles. Chinese Journal of Physics, 2018, 56, 760-769.	2.0	4
446	Rietveld structure refinement to optimize the correlation between cation disordering and magnetic features of CoFe_2O_4 nanoparticles. New Journal of Chemistry, 2018, 42, 3050-3062.	1.4	7
447	Fabrication of cobalt aluminate nanopigments by coprecipitation method in threonine waterborne solution. Dyes and Pigments, 2018, 151, 130-139.	2.0	36
448	Evidence of the spin Seebeck effect in Ni-Zn ferrites polycrystalline slabs. Solid State Communications, 2018, 270, 140-146.	0.9	20
449	Degradation of shale gas produced water by magnetic porous MFe_2O_4 ($\text{M} = \text{Cu, Ni, Co and Zn}$) heterogeneous catalyzed ozone. Chemical Engineering Journal, 2018, 345, 98-106.	6.6	53
450	Oleic Acid Surface Modification in the Preparation of Magnetic Nanoparticles by a Chemically Induced Transition. IEEE Transactions on Magnetism, 2018, 54, 1-7.	1.2	7
451	Re-creation of single phase, and improvement of magnetic property of CoFe_2O_4 nanoparticles versus heat treatment. Physica B: Condensed Matter, 2018, 532, 172-177.	1.3	9
452	Effect of Cr^{3+} Ions Substitution on Structural and Magnetic Properties of Co Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2018, 31, 387-394.	0.8	5
453	One-step in situ growth of magnesium ferrite nanorods on graphene and their microwave absorbing properties. Applied Organometallic Chemistry, 2018, 32, e4017.	1.7	27
454	Preparation of magnetically recyclable ZnFe_2O_4 nanoparticles by easy single-step coprecipitation method and their catalytic performance in the synthesis of 2-aminothiophenes. Applied Organometallic Chemistry, 2018, 32, e4047.	1.7	15
455	Magnetic properties of pulsed laser deposited $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ (0.10 $\leq x \leq$ 0.70) thin films. Journal of Magnetism and Magnetic Materials, 2018, 448, 192-198.	1.0	6
456	Facile synthesis of hollow MnFe_2O_4 nanoboxes based on galvanic replacement reaction for fast and sensitive VOCs sensor. Sensors and Actuators B: Chemical, 2018, 258, 589-596.	4.0	34
457	Electrochemical investigation of manganese ferrites prepared via a facile synthesis route for supercapacitor applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 668-677.	2.3	76
458	Synthesis and characterization of silicon oxide nanoparticles using an atmospheric DC plasma torch. Advanced Powder Technology, 2018, 29, 220-229.	2.0	19

#	ARTICLE	IF	CITATIONS
459	Microstructure, magnetic, optical and catalytic activity of Li ⁺ Co ²⁺ Cd nanoferrites. Journal of Materials Science: Materials in Electronics, 2018, 29, 3856-3866.	1.1	3
460	Dependence of Catalytic Activity of Nanocrystalline Nickel Ferrite on Its Structural, Morphological, Optical, and Magnetic Properties in Aerobic Oxidation of Benzyl Alcohol. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1219-1225.	0.8	19
461	Barium ferrite prepared by modified Pechini method: effects of chloride and nitrate counter ions on microstructures and magnetic properties. Journal of Materials Science: Materials in Electronics, 2018, 29, 1542-1553.	1.1	5
462	Investigation of structural, morphological and electromagnetic properties of Mg _{0.25} Mn _{0.25} Zn _{0.5} ^x Sr _x Fe ₂ O ₄ ferrites. Journal of Magnetism and Magnetic Materials, 2018, 451, 391-406.	1.0	25
463	CPW-FED BODY WORN MONOPOLE ANTENNA ON MAGNETO-DIELECTRIC SUBSTRATE IN C-BAND. Progress in Electromagnetics Research C, 2018, 84, 201-213.	0.6	3
464	Annealing temperature effect on structural, vibrational and optical properties of Co _{0.8} Ni _{0.2} Fe ₂ O ₄ nanoparticles. IOP Conference Series: Materials Science and Engineering, 2018, 432, 012033.	0.3	3
465	Electromagnetic properties of nanocrystalline Mn-Zn ferrite synthesized from spent Zn-C battery via Egg-white route. International Journal of Electrochemical Science, 2018, 13, 12331-12339.	0.5	5
466	Microstructure, local electronic structure and optical behaviour of zinc ferrite thin films on glass substrate. Royal Society Open Science, 2018, 5, 181330.	1.1	5
467	Atomic-scale imaging of the ferrimagnetic/diamagnetic interface in Au-Fe ₃ O ₄ nanodimers and correlated exchange-bias origin. Nanoscale, 2018, 10, 21499-21508.	2.8	8
469	Ppt-level benzene detection and gas sensing mechanism using (C ₄ H ₉ NH ₃) ₂ Pb ₂ Br ₂ organic-inorganic layered perovskite. Inorganic Chemistry Frontiers, 2018, 5, 3046-3052.	3.0	24
470	Preparation of an activated carbon from hazelnut shells and its hybrids with magnetic NiFe ₂ O ₄ nanoparticles. New Carbon Materials, 2018, 33, 578-586.	2.9	23
471	Effect of Polyethylene Glycol (PEG-4000) on Dielectric Properties of Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ Nanoparticles. IOP Conference Series: Materials Science and Engineering, 2018, 367, 012035.	0.3	0
472	Saddle-splay modulus of reverse microemulsions: Experimental determination using small-angle neutron scattering and dielectric relaxation spectroscopy. Physical Review E, 2018, 98, .	0.8	4
473	Nano zinc ferrite filler incorporated polyindole/poly(vinyl alcohol) blend: Preparation, characterization, and investigation of electrical properties. Advances in Polymer Technology, 2018, 37, 3639-3649.	0.8	39
474	Crystal Structure and Magnetic Properties of Magnesium Ferrite (MgFe ₂ O ₄) Nanoparticles Synthesized by Coprecipitation Method. Journal of Physics: Conference Series, 2018, 1091, 012003.	0.3	16
475	Structural, Magnetic, and Catalytic Evaluation of Spinel Co, Ni, and Co ²⁺ Ni Ferrite Nanoparticles Fabricated by Low-Temperature Solution Combustion Process. ACS Omega, 2018, 3, 14986-15001.	1.6	201
476	Cation distribution of Mn-Zn ferrite nanoparticles using pair distribution function analysis and resonant X-ray scattering. Europhysics Letters, 2018, 124, 56001.	0.7	6
477	Structural and Magnetic Investigations of Silica coated Cobalt- Ferrite Nanocomposites. Oriental Journal of Chemistry, 2018, 34, 2060-2067.	0.1	3

#	ARTICLE	IF	CITATIONS
478	Porous Javelin-Like NiFe ₂ O ₄ Nanorods as Propanol Sensor with Ultrahigh Performance. ChemistrySelect, 2018, 3, 12871-12877.	0.7	19
479	Influence of the Composition on the Environmental Impact of Soft Ferrites. Materials, 2018, 11, 1789.	1.3	4
480	MICROWAVE SYNTHESIS OF SILVER NANOPARTICLES BY POLYOL METHOD AND TESTING THEIR SYNERGISTIC ANTIBACTERIAL ACTIVITY IN THE PRESENCE OF VANCOMYCIN. Asian Journal of Pharmaceutical and Clinical Research, 2018, 11, 288.	0.3	4
481	Spin-polarized electron transport in highly reduced MgFe ₂ O ₄ . Materials Research Express, 2018, 5, 126301.	0.8	9
482	Investigations on the structural, magnetic and mossbauer properties of cerium doped strontium ferrite. Physica B: Condensed Matter, 2018, 550, 136-144.	1.3	33
483	A comparative study on conventionally prepared MnFe ₂ O ₄ nanospheres and template-synthesized novel MnFe ₂ O ₄ nano-agglomerates as the electrodes for biosensing of mercury contaminations and supercapacitor applications. Electrochimica Acta, 2018, 290, 533-543.	2.6	45
484	Effect of zinc substitution on structural, morphological and magnetic properties of cobalt nanocrystalline ferrites prepared by co-precipitation method. Journal of Materials Science: Materials in Electronics, 2018, 29, 18878-18889.	1.1	9
485	The role of Co ion substitution in SnFe ₂ O ₄ spinel ferrite nanoparticles: Study of structural, vibrational, magnetic and optical properties. Ceramics International, 2018, 44, 22092-22101.	2.3	35
486	The study of mercury removal using synthesized copper ferrite nanofiber in laboratory scale. Environmental Nanotechnology, Monitoring and Management, 2018, 10, 79-86.	1.7	5
487	Crystallite Size-Lattice Strain Estimation and Optical Properties of Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ Nanoparticles. Journal of Physics: Conference Series, 2018, 1011, 012063.	0.3	4
488	Tailoring the Physicochemical and Magnetic Properties of an Mn Substituted Cobalt Ferrite System. InterCeram: International Ceramic Review, 2018, 67, 14-19.	0.2	7
489	Magnetoliposomes for dual cancer therapy. , 2018, , 489-527.		1
490	Enhanced catalytic ozonation treatment of dibutyl phthalate enabled by porous magnetic Ag-doped ferrosinell MnFe ₂ O ₄ materials: Performance and mechanism. Chemical Engineering Journal, 2018, 354, 42-52.	6.6	84
491	Role of calcination on structural, morphology and magnetic properties of zinc substituted Mn-Ni nanoferrites. Materials Research Express, 2018, 5, 095004.	0.8	3
492	Crystalline and magnetic structure-property relationship in spinel ferrite nanoparticles. Nanoscale, 2018, 10, 14902-14914.	2.8	106
493	Crossing-link of experimental reducibility tests, XPS characterizations and DFT estimates on ferrite oxygen carriers in CLC. Applied Catalysis B: Environmental, 2018, 238, 647-655.	10.8	30
494	Reduced graphene oxide enhanced magnetic nanocomposites for removal of carbamazepine. Journal of Materials Science, 2018, 53, 15474-15486.	1.7	22
495	The study of thermal, microstructural and magnetic properties of Manganese-zinc ferrite prepared by co-precipitation method using different precipitants. Journal of Thermal Analysis and Calorimetry, 2018, 134, 51-57.	2.0	14

#	ARTICLE	IF	CITATIONS
496	Synthesis and Viscoelastic Behavior of Non-Stoichiometric Spinel Ferrite Particle Suspension. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	2
497	Recent progress in nanostructured magnetic framework composites (MFCs): Synthesis and applications. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 653-677.	2.7	47
498	Synthesis and Structural Analysis of Co ²⁺ Zn ²⁺ Cd Ferrite by Williamson-Hall and Size-Strain Plot Methods. International Journal of Self-Propagating High-Temperature Synthesis, 2018, 27, 37-43.	0.2	39
499	Magnetic properties of biocompatible Co _{1-x} Fe _x O nanoparticles synthesized using a facile synthesis. Nano Structures: Nano Objects, 2018, 16, 69-76.	0.6	1
500	Structural, magnetic, and electrical properties of sol-gel derived cobalt ferrite nanoparticles. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	31
501	Magnetic nickel ferrite nanoparticles: Green synthesis by Urtica and therapeutic effect of frequency magnetic field on creating cytotoxic response in neural cell lines. Colloids and Surfaces B: Biointerfaces, 2018, 172, 244-253.	2.5	87
502	Electrocatalytic behavior of copper ferrite decorated carbon nanofibers towards oxidative determination of antipsychotic drug Pimozide. Journal of Electroanalytical Chemistry, 2018, 825, 87-96.	1.9	13
503	Synthesis and acetone gas sensing properties of Ag activated hollow sphere structured ZnFe ₂ O ₄ . Ceramics International, 2018, 44, 20700-20707.	2.3	53
504	Tailoring the structural and magnetic properties of Co-Zn nanosized ferrites for hyperthermia applications. Journal of Magnetism and Magnetic Materials, 2018, 465, 211-219.	1.0	37
505	Multiferroicity in La, Pr & Sm doped Z-type strontium hexaferrite. Superlattices and Microstructures, 2018, 120, 305-312.	1.4	13
506	Investigation of synthesis and magnetic property of rod-shaped NiFe ₂ O ₄ via chemical precipitation-topotactic reaction employing needle-like Fe^{3+} -FeOOH and Fe^{2+} -FeOOH as templates. Materials Letters, 2018, 228, 356-359.	1.3	5
507	Effect of the surface treatment on the structural, morphological, magnetic and biological properties of MFe ₂ O ₄ iron spinels (M = Cu, Ni, Co, Mn and Fe). Applied Surface Science, 2018, 455, 635-645.	3.1	36
508	Effect of Zn on dielectric properties of Mn-Zn spinel ferrite synthesized by coprecipitation. Materials Today: Proceedings, 2018, 5, 14955-14959.	0.9	15
509	Applications of cobalt ferrite nanoparticles in biomedical nanotechnology. Nanomedicine, 2018, 13, 1221-1238.	1.7	194
510	Large Room Temperature Magnetic Moment in Mn _{1-x} Zn _x Fe ₂ O ₄ Thin Films for $x \geq 0.4$. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	2
511	Thermal Decomposition Synthesis of MgFe ₂ O ₄ Nanoparticles for Magnetic Hyperthermia. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1347-1352.	0.8	20
512	Effects of Sintering Temperature on Structural, Morphological and Magnetic Properties of Strontium Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1067-1076.	0.8	17
513	Enhanced mineralization of dimethyl phthalate by heterogeneous ozonation over nanostructured Cu-Fe-O surfaces: Synergistic effect and radical chain reactions. Separation and Purification Technology, 2019, 209, 588-597.	3.9	55

#	ARTICLE	IF	CITATIONS
515	Application of Ferrite Nanoparticles in Wastewater Treatment. <i>Engineering Materials</i> , 2019, , 141-151.	0.3	11
516	On the role of structural variables in magnetic properties of $\text{Co}_{(1-x)}\text{Ni}_x\text{Fe}_2\text{O}_4$ nanoferrites. <i>Ceramics International</i> , 2019, 45, 20921-20928.	2.3	2
517	Structural, microstructural and magnetic properties of sol-gel-synthesized novel $\text{BaZrO}_3\text{-CoFe}_2\text{O}_4$ nanocomposite. <i>Journal of Nanostructure in Chemistry</i> , 2019, 9, 163-173.	5.3	19
518	The impact of carbon nanotubes on the optical, electrical, and magnetic parameters of Ni^{2+} and Co^{2+} based spinel ferrites. <i>Ceramics International</i> , 2019, 45, 21150-21161.	2.3	43
519	The influence of Sc^{3+} ions on the microstructure, electrical, and gas-sensing properties of Ni-Co-Sc ferrite. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 91, 654-663.	1.1	6
520	Review on augmentation in photocatalytic activity of CoFe_2O_4 via heterojunction formation for photocatalysis of organic pollutants in water. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 1119-1136.	2.4	224
521	Influence of Zn^{2+} Doping on Ni-Based Nanoferrites; ($\text{Ni}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$). <i>Nanomaterials</i> , 2019, 9, 1024.	1.9	50
522	Synthesis and Properties of Ferrite-Based Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 1079.	1.9	28
523	Influence of Cr on structural, spectroscopic and magnetic properties of CoFe_2O_4 grown by the wet chemical method. <i>Materials Chemistry and Physics</i> , 2019, 238, 121903.	2.0	13
524	Electrochemical Sensor Based on Carbon Nanotubes Decorated with ZnFe_2O_4 Nanoparticles Incorporated Carbon Paste Electrode for Determination of Metoclopramide and Indomethacin. <i>ChemistrySelect</i> , 2019, 4, 7616-7626.	0.7	12
525	Application of Emulsions and Microemulsions in Enhanced Oil Recovery and Well Stimulation. , 0, , .		10
526	$^{99\text{m}}\text{Tc}$ -, ^{90}Y -, and ^{177}Lu -Labeled Iron Oxide Nanoflowers Designed for Potential Use in Dual Magnetic Hyperthermia/Radionuclide Cancer Therapy and Diagnosis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41109-41117.	4.0	45
527	Magnetic Nanoparticles of Zinc/Calcium Ferrite Decorated with Silver for Photodegradation of Dyes. <i>Materials</i> , 2019, 12, 3582.	1.3	14
528	Structural Characterization, Magnetic Properties, and Heating Power of Nickel Ferrite Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-7.	1.2	7
529	Novel magnetic CoFe_2O_4 /layered double hydroxide nanocomposites for recoverable anionic adsorbents for water treatment. <i>Applied Clay Science</i> , 2019, 183, 105350.	2.6	25
530	Magnetoliposomes Containing Calcium Ferrite Nanoparticles for Applications in Breast Cancer Therapy. <i>Pharmaceutics</i> , 2019, 11, 477.	2.0	27
531	Dependence of the magnetic and optical properties of Ni-Co nanoferrite on the particle shape. <i>Journal of Physics: Conference Series</i> , 2019, 1253, 012022.	0.3	2
532	Structural and magnetic properties of silica-coated magnetite nanoaggregates. <i>Physica B: Condensed Matter</i> , 2019, 572, 214-219.	1.3	21

#	ARTICLE	IF	CITATIONS
533	Facile synthesis of water-stable iron intercalated multi layered graphene nanocomposite with large magnetic moments as superior water pollutant remediators. <i>Synthetic Metals</i> , 2019, 255, 116105.	2.1	9
534	Tuning hyperthermia efficiency of MnFe ₂ O ₄ /ZnS nanocomposites by controlled ZnS concentration. <i>Journal of Materials Research and Technology</i> , 2019, 8, 5659-5670.	2.6	16
535	Lanthanide ion processing from monazite based on magnetic nanohydrometallurgy. <i>Hydrometallurgy</i> , 2019, 189, 105138.	1.8	9
536	Effect of the Degree of Inversion on the Electrical Conductivity of Spinel ZnFe ₂ O ₄ . <i>ChemistrySelect</i> , 2019, 4, 1232-1239.	0.7	23
537	Dye degradation property of cobalt and manganese doped iron oxide nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1823-1832.	1.6	44
538	Synthesis of ferrofluids using a chemically induced transition method and their characterization. <i>Colloid and Polymer Science</i> , 2019, 297, 297-305.	1.0	15
539	The influence of solvent composition in the sol-gel synthesis of cobalt ferrite (CoFe ₂ O ₄): A route to tuning its magnetic and mechanical properties. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3442-3449.	2.8	32
540	Facile synthesis of CaFe ₂ O ₄ for visible light driven treatment of polluting palm oil mill effluent: Photokinetic and scavenging study. <i>Science of the Total Environment</i> , 2019, 661, 522-530.	3.9	33
541	Eco-friendly synthesis of Mg _{0.5} Ni _{0.5} Al _x Fe _{2-x} O ₄ magnetic nanoparticles and study of their photocatalytic activity for degradation of direct blue 129 dye. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111942.	2.0	64
542	Structure, magnetic and catalytic properties of SiO ₂ -MFe ₂ O ₄ (M = Mn, Co, Ni, Cu) nanocomposites and their syntheses by a modified sol-gel method. <i>Materials Chemistry and Physics</i> , 2019, 235, 121731.	2.0	8
543	Ligand-free copper-catalyzed O-arylation of aryl halides using impregnated copper ferrite on mesoporous graphitic carbon nitride as a robust and magnetic heterogeneous catalyst. <i>Microporous and Mesoporous Materials</i> , 2019, 287, 254-263.	2.2	18
544	Synthesis of mesoporous nickel iron oxide as a new anode material for high performance lithium ion batteries. <i>Physica B: Condensed Matter</i> , 2019, 570, 176-181.	1.3	5
545	Efficient Cr(VI) removal from wastewater by activated carbon superparamagnetic composites. <i>Microchemical Journal</i> , 2019, 149, 104025.	2.3	20
546	Size-controlled Cobalt Ferrite Nanocrystals: Magnetically separable Reusable Nanocatalysts for Selective Oxidation of Styrene. <i>ChemistrySelect</i> , 2019, 4, 6524-6531.	0.7	5
547	Recent advances in copper ferrite nanoparticles and nanocomposites synthesis, magnetic properties and application in water treatment: Review. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103179.	3.3	166
548	Effect of magnetic dipolar interactions and size dispersity on the origin of steady state magnetomechanical response in bidisperse Mn-Zn ferrite spherical particle based magnetorheological fluids. <i>New Journal of Chemistry</i> , 2019, 43, 9969-9979.	1.4	25
549	One-Step Synthesis of Long Term Stable Superparamagnetic Colloid of Zinc Ferrite Nanorods in Water. <i>Materials</i> , 2019, 12, 1048.	1.3	28
550	X-ray diffraction analysis for the determination of elastic properties of zinc-doped manganese spinel ferrite nanocrystals (Mn _{0.75} Zn _{0.25} Fe ₂ O ₄), along with the determination of ionic radii, bond lengths, and hopping lengths. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 134, 105-114.	1.9	65

#	ARTICLE	IF	CITATIONS
551	Morphological and magnetic response of copper-substituted nickel ferrite nanoparticles. <i>Philosophical Magazine Letters</i> , 2019, 99, 67-76.	0.5	3
552	Synthesis of Silica-Coated Silver-Cobalt Ferrite Nanoparticles for Biomedical Applications. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 3865-3872.	0.8	19
553	Structural, vibrational, electrical, and magnetic properties of mixed spinel ferrites $Mg_{1-x}Zn_xFe_2O_4$ nanoparticles prepared by co-precipitation. <i>AIP Advances</i> , 2019, 9, .	0.6	22
554	Synthesis of Novel $NiFe_2O_4$ Nanospheres for High Performance Pseudocapacitor Applications. <i>Russian Journal of Electrochemistry</i> , 2019, 55, 206-214.	0.3	21
555	Innovative sustainable materials for the photoinduced remediation of polluted waters. , 2019, , 203-238.		5
556	The effect of Ni/Fe ratio on the physical properties of $NiFe_{2-x}O_4$ nanocomposites. <i>Materials Research Express</i> , 2019, 6, 086107.	0.8	9
557	Temperature dependent magnetic properties of superparamagnetic $CoFe_2O_4$ nanoparticles. <i>Physica B: Condensed Matter</i> , 2019, 567, 87-94.	1.3	47
558	Spectroscopic analysis and temperature-dependent dielectric properties of bulk $Ni_{1-x}Zn_x$ ceramics. <i>Journal of Advanced Dielectrics</i> , 2019, 09, 1950014.	1.5	8
559	Structural, magnetic, optical, and magneto-optical properties of $CoFe_2O_4$ thin films fabricated by a chemical approach. <i>Materials Research Bulletin</i> , 2019, 117, 96-102.	2.7	19
560	Gold nanoparticles decorated silicate sol-gel matrix embedded reduced graphene oxide and manganese ferrite nanocomposite-materials-modified electrode for glucose sensor application. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	0.7	7
561	Zinc ferrite based gas sensors: A review. <i>Ceramics International</i> , 2019, 45, 11143-11157.	2.3	116
562	Synthesis of highly magnetic Mn-Zn ferrite ($Mn_{0.7}Zn_{0.3}Fe_2O_4$) ceramic powder and its use in smart magnetorheological fluid. <i>Rheologica Acta</i> , 2019, 58, 273-280.	1.1	25
563	Excess of cations in the sol-gel synthesis of cobalt ferrite ($CoFe_2O_4$): A pathway to switching the inversion degree of spinels. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 482, 1-8.	1.0	57
564	Microwave-assisted solvothermal synthesis of shape-controlled $CoFe_2O_4$ nanoparticles for acetone sensor. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1103-1112.	2.8	59
565	Nanocrystalline Transition-Metal Gallium Oxide Spinel from Acetylacetonate Precursors via Solvothermal Synthesis. <i>Materials</i> , 2019, 12, 838.	1.3	4
566	Rheological effect of Zn-doped ferrite nanoparticle additive with enhanced magnetism on micro-spherical carbonyl iron based magnetorheological suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 571, 168-173.	2.3	13
567	DC Electrical Resistivity, Dielectric, and Magnetic Studies of Rare-Earth (Ho^{3+}) Substituted Nano-Sized $CoFe_2O_4$. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800676.	0.7	17
568	Effect of Zn content on structural, morphological and magnetic behavior of $Zn_xCo_{1-x}Fe_2O_4/SiO_2$ nanocomposites. <i>Journal of Alloys and Compounds</i> , 2019, 792, 432-443.	2.8	44

#	ARTICLE	IF	CITATIONS
569	Tuning the exchange coupling in pulse laser deposited cobalt ferrite thin films by hydrogen reduction. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 484, 188-195.	1.0	6
570	Enzyme mimetic activities of spinel substituted nanoferrites (MFe ₂ O ₄): A review of synthesis, mechanism and potential applications. <i>Materials Science and Engineering C</i> , 2019, 99, 1424-1447.	3.8	62
571	Influence of calcination temperature on phase formation and local structure of Co _{0.6} Zn _{0.4} Fe _{1.6} Cr _{0.4} O ₄ nanoparticles. <i>Ferroelectrics</i> , 2019, 552, 177-185.	0.3	2
572	Structural and Magnetic Studies of Zinc Substituted Cobalt Ferrite Nanoparticles prepared by Sol-Gel Technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 577, 012068.	0.3	3
573	Structural and Magnetic properties of Cobalt Ferrite (CoFe ₂ O ₄) Nanoparticles by Sol-Gel Technique using Yeast. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 577, 012092.	0.3	4
574	Photocatalytic treatment of palm oil mill effluent by visible light-active calcium ferrite: Effects of catalyst preparation technique. <i>Journal of Environmental Management</i> , 2019, 234, 404-411.	3.8	31
575	Bifunctional (Zn,Fe) ₃ O ₄ nanoparticles: Tuning their efficiency for potential application in reagentless glucose biosensors and magnetic hyperthermia. <i>Journal of Alloys and Compounds</i> , 2019, 777, 454-462.	2.8	26
576	Improved heating efficiency of bifunctional MnFe ₂ O ₄ /ZnS nanocomposite for magnetic hyperthermia application. <i>Physica B: Condensed Matter</i> , 2019, 567, 122-128.	1.3	23
577	Effect of magnesium substitution on the structural, morphological, optical and wettability properties of cobalt ferrite thin films. <i>Physica B: Condensed Matter</i> , 2019, 555, 61-68.	1.3	26
578	A study on the supercapacitive behavior of zinc substituted manganese ferrite nanoparticles. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 841-849.	1.2	7
579	Iron-based photocatalytic and photoelectrocatalytic nano-structures: Facts, perspectives, and expectations. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 1065-1095.	10.8	100
580	Enhanced adsorption of arsenate by spinel zinc ferrite nano particles: Effect of zinc content and site occupation. <i>Journal of Environmental Sciences</i> , 2019, 79, 248-255.	3.2	18
581	Effect of surfactants on the optical and magnetic properties of cobalt-zinc ferrite Co _{0.5} Zn _{0.5} Fe ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2019, 774, 1250-1259.	2.8	48
582	Up-scalable fabrication of nanosized nickel cobalt chromite spinel by a simple thermal treatment method: Structural and paramagnetic behavior. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 128, 378-383.	1.9	5
583	Effect of Hydrothermal Reaction Time on Electrical, Structural and Magnetic Properties of Cobalt Ferrite. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 323-353.	1.4	29
584	Investigation of significant magnetic transformation for hydrogenated ZnFe ₂ O ₄ nanoparticles. <i>Journal of Materials Science</i> , 2020, 55, 1464-1474.	1.7	5
585	Enhanced ozonation of antibiotics using magnetic Mg(OH) ₂ nanoparticles made through magnesium recovery from discarded bischofite. <i>Chemosphere</i> , 2020, 238, 124694.	4.2	31
586	Effect of Al doping in zinc ferrite nanoparticles and their structural and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152058.	2.8	30

#	ARTICLE	IF	CITATIONS
587	A Novel Thermal Decomposition Approach for the Synthesis and Properties of Superparamagnetic Nanocrystalline NiFe ₂ O ₄ and Its Antibacterial, Electrocatalytic Properties. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1013-1021.	0.8	10
588	Exchange-coupled of soft and hard magnetic phases on the interfaces of Fe ₃ C/CoFe ₂ O ₄ nanocomposites. Ceramics International, 2020, 46, 731-736.	2.3	15
589	Study of the optical properties of Zn doped Mn spinel ferrite nanocrystals shows multiple emission peaks in the visible range – a promising soft ferrite nanomaterial for deep blue LED. Journal of Molecular Structure, 2020, 1199, 127044.	1.8	43
590	Observation of three magnetic states in spinel MnFe ₂ O ₄ single crystals. Journal of Magnetism and Magnetic Materials, 2020, 497, 165955.	1.0	5
591	Surface lattice oxygen activation via Zr ⁴⁺ cations substituting on A ²⁺ sites of MnCr ₂ O ₄ forming Zr _x Mn _{1-x} Cr ₂ O ₄ catalysts for enhanced NH ₃ -SCR performance. Chemical Engineering Journal, 2020, 380, 122397.	6.6	44
592	Magnetic and Optical Studies of NiFe ₂ O ₄ Micro- and Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1619-1627.	0.8	20
593	Effect of Microwave Heat Treatment on Hydrothermal Synthesis of Nano-MgFe ₂ O ₄ . Journal of Superconductivity and Novel Magnetism, 2020, 33, 417-425.	0.8	3
594	Facile synthesis of CoFe ₂ O ₄ magnetic nanomaterial by natural cellulose template and catalytic performance in heterogeneous activation of peroxydisulfate. Journal of Sol-Gel Science and Technology, 2020, 93, 419-427.	1.1	18
595	Study of Electromagnetic Properties of Fabricated NiFe ₂ O ₄ /Polyurethane Nanocomposites. Journal of Applied Polymer Science, 2020, 137, 48645.	1.3	11
596	Modified co-precipitation process effects on the structural and magnetic properties of Mn- doped nickel ferrite nanoparticles. Solid State Sciences, 2020, 99, 106052.	1.5	28
597	Influence of nickel and lanthanum ions co-doping on photocatalytic properties of TiO ₂ for effective degradation of reactive yellow 145 in the visible region. Journal of Sol-Gel Science and Technology, 2020, 93, 438-451.	1.1	27
598	Influence of matrix viscosity on the dynamic mechanical performance of magnetorheological elastomers. Journal of Applied Polymer Science, 2020, 137, 48492.	1.3	10
599	Spinel ferrite nanoparticles and nanocomposites for biomedical applications and their toxicity. Materials Science and Engineering C, 2020, 107, 110314.	3.8	155
600	Impact of Defects on Magnetic Properties of Spinel Zinc Ferrite Thin Films. Physica Status Solidi (B): Basic Research, 2020, 257, 1900630.	0.7	18
601	Magnetic iron oxide nanoparticles for imaging, targeting and treatment of primary and metastatic tumors of the brain. Journal of Controlled Release, 2020, 320, 45-62.	4.8	180
602	Influence of synthesis methods with low annealing temperature on the structural and magnetic properties of CoFe ₂ O ₄ nanopowders for permanent magnet application. Journal of Magnetism and Magnetic Materials, 2020, 500, 166416.	1.0	37
603	Influence of trivalent Al ³⁺ /Cr co-substitution on the structural, morphological and Mössbauer properties of nickel ferrite nanoparticles. Journal of Alloys and Compounds, 2020, 821, 153501.	2.8	119
604	Enhancement on the exchange coupling behavior of SrCo _{0.02} Zr _{0.02} Fe _{11.96} O ₁₉ /MFe ₂ O ₄ (M = Co, Ni, Cu.) Tj ETQq1 1 0.784314 2020, 499, 166308.	1.0	71

#	ARTICLE	IF	CITATIONS
605	Langmuir Isotherms for Functionalized Superparamagnetic Nanoparticles with Cobalt(II) Ions Based on Zeta Potentials. ACS Applied Nano Materials, 2020, 3, 452-458.	2.4	5
606	Novel rare-earth and transition metal-based entropy stabilized oxides with spinel structure. Scripta Materialia, 2020, 178, 513-517.	2.6	47
607	The immobilized copper species on nickel ferrite (NiFe ₂ O ₄ @Cu): a magnetically reusable nanocatalyst for one-pot and quick reductive acetylation of nitroarenes to N-arylamides. Journal of the Iranian Chemical Society, 2020, 17, 859-870.	1.2	4
608	Effect of Cu substitution on the magnetic and magnetic induction heating response of CdFe ₂ O ₄ spinel ferrite. Journal of Magnetism and Magnetic Materials, 2020, 499, 166201.	1.0	19
609	Solvothermal reflux synthesis of NiFe ₂ O ₄ nanocrystals dielectric and magnetic hyperthermia properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 799-806.	1.1	32
610	Synthesis and coating methods of biocompatible iron oxide/gold nanoparticle and nanocomposite for biomedical applications. Chinese Journal of Physics, 2020, 64, 305-325.	2.0	62
611	Enhancement of magnetization in substituted Zn ferrite thin films. Journal of Magnetism and Magnetic Materials, 2020, 499, 166200.	1.0	1
612	Effect of zinc substitution on magnesium ferrite nanoparticles: Structural, electrical, magnetic, and gas-sensing properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114776.	1.7	23
613	Glycolic acid-supported cobalt ferrite-catalyzed one-pot synthesis of pyrimido[4,5-b]quinoline and indenopyrido[2,3-i]pyrimidine derivatives. Applied Organometallic Chemistry, 2020, 34, e6007.	1.7	13
614	Cutting edge development on graphene derivatives modified by liquid crystal and CdS/TiO ₂ hybrid matrix: optoelectronics and biotechnological aspects. Critical Reviews in Solid State and Materials Sciences, 2021, 46, 385-449.	6.8	117
615	Magnetic finite size effects, coercive field and irreversibility in sintered (1-x)BaTiO ₃ -xCoFe ₂ O ₄ nano-composites. Materials Chemistry and Physics, 2020, 245, 122757.	2.0	3
616	A new eight-cation inverse high entropy spinel with large configurational entropy in both tetrahedral and octahedral sites: Synthesis and cation distribution by X-ray absorption spectroscopy. Scripta Materialia, 2020, 188, 26-31.	2.6	46
617	High speed processing of NiFe ₂ O ₄ spinel using a laser furnace. Journal of Materiomics, 2020, 6, 661-670.	2.8	9
618	Activation of peroxymonosulfate by CuCo ₂ O ₄ -GO for efficient degradation of bisphenol A from aqueous environment. Separation and Purification Technology, 2020, 251, 117351.	3.9	29
619	A facile approach for obtaining NiFe ₂ O ₄ @C core-shell nanoparticles and their magnetic properties assessment. Diamond and Related Materials, 2020, 110, 108159.	1.8	5
620	Dextrose assisted sol-gel auto combustion synthesis and magnetic characterizations of cobalt ferrite nanoparticles. AIP Conference Proceedings, 2020, , .	0.3	2
621	An experimental study on characterizing damage and fracture of a rock-like material based on three-dimensional magnetic field imaging. Engineering Computations, 2020, ahead-of-print, .	0.7	0
622	Green synthesis of NiFe ₂ O ₄ nanoparticles using different fuels and their structural characterization. Journal of Physics: Conference Series, 2020, 1644, 012003.	0.3	14

#	ARTICLE	IF	CITATIONS
623	Electromagnetic properties of Cr-substituted nickel ferrite nanoparticles and their microwave absorption performance. <i>Ceramics International</i> , 2020, 46, 28506-28513.	2.3	26
624	Surfactant based synthesis and magnetic studies of cobalt ferrite. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	9
625	A Bayesian regularized feed-forward neural network model for conductivity prediction of PS/MWCNT nanocomposite film coatings. <i>Applied Soft Computing Journal</i> , 2020, 96, 106632.	4.1	15
626	Study on structure and magnetic properties of Cr ³⁺ -doped Ni ²⁺ -Cu ²⁺ -Co ferrites prepared by sol-gel method. <i>Modern Physics Letters B</i> , 2020, 34, 2050379.	1.0	1
627	Rare-earth-free magnetically hard ferrous materials. <i>Nanoscale Advances</i> , 2020, 2, 4341-4349.	2.2	14
628	Spinel ferrite (AFe ₂ O ₄)-based heterostructured designs for lithium-ion battery, environmental monitoring, and biomedical applications. <i>RSC Advances</i> , 2020, 10, 31622-31661.	1.7	98
629	Potential of Magnetic Nanoferrites in Removal of Heavy Metals from Contaminated Water: Mini Review. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 3651-3665.	0.8	36
630	Aluminum-Doped Cobalt Ferrite as an Efficient Photocatalyst for the Abatement of Methylene Blue. <i>Water (Switzerland)</i> , 2020, 12, 2285.	1.2	30
631	Prediction of structure and cation ordering in an ordered normal-inverse double spinel. <i>Communications Materials</i> , 2020, 1, .	2.9	46
632	A study on the Faraday rotation of iron oxide ferrofluids synthesized at different pH values. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
633	Low-temperature wet chemistry synthetic approaches towards ferrites. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3282-3314.	3.0	31
634	A novel approach to prepare polyaniline/Polypyrrole@Cu-BTC/NH ₂ -MIL-101(Fe) MOFs for electromagnetic wave absorption. <i>Ceramics International</i> , 2020, 46, 19758-19766.	2.3	29
635	Preparation of uniform and highly dispersed magnetic copper ferrite sub-micron sized particles regulated by short-chain surfactant with catechol structure: Dual-functional materials for supercapacitor and dye degradation. <i>Journal of Electroanalytical Chemistry</i> , 2020, 870, 114199.	1.9	2
636	Preparation of nickel doped mesoporous carbon for enhanced microwave absorption performance. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 513, 167071.	1.0	27
637	Novel reusable functionalized magnetic cobalt ferrite nanoparticles as oil adsorbents. <i>Adsorption Science and Technology</i> , 2020, 38, 168-190.	1.5	15
638	Study of structural, elastic, electronic, and vibrational properties of MRh ₂ O ₄ (M = Cd and Zn) spinels: DFT-based calculations. <i>Journal of Molecular Modeling</i> , 2020, 26, 140.	0.8	2
639	On cobalt ferrite production by sol-gel from orange fruit residue by three related procedures and its application in oil removal. <i>Journal of Cleaner Production</i> , 2020, 265, 121712.	4.6	16
640	Influence of High-Temperature Annealing on Structural and Magnetic Properties of Crystalline Cobalt Ferrite Nanoparticles in the Single-Domain Regime. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 3179-3188.	0.8	12

#	ARTICLE	IF	CITATIONS
641	Comprehensive Study of the Impact of Mg ²⁺ Doping on Optical, Structural, and Magnetic Properties of Copper Nanoferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 3065-3075.	0.8	14
642	Coexistence of superparamagnetism and spin-glass like behavior in zinc-substituted cobalt ferrite nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	15
643	Effect of molybdenum doping on the structural and magnetic properties of MnFe ₂ O ₄ magnetic nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	9
644	Investigation of AC-Measurements of Epoxy/Ferrite Composites. <i>Nanomaterials</i> , 2020, 10, 492.	1.9	110
645	Vertically Aligned Single-Crystalline CoFe ₂ O ₄ Nanobrush Architectures with High Magnetization and Tailored Magnetic Anisotropy. <i>Nanomaterials</i> , 2020, 10, 472.	1.9	2
646	Polyaniline-ferrite nanocomposite as a new magnetically recyclable photocatalyst with enhanced photocatalytic activity. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 135-141.	0.5	4
647	Synthesis Techniques of Nickel Substituted Cobalt Ferrites – An Investigative Study Using Structural Data. <i>Materials Today: Proceedings</i> , 2020, 23, 373-381.	0.9	9
648	Expanding the tunability and applicability of exchange-coupled/decoupled magnetic nanocomposites. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1222-1230.	3.2	11
649	Magnetic Nanohydrometallurgy Applied to Lanthanide Separation. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 530.	0.8	7
650	Understanding the co-effects of manganese and cobalt on the enhanced SCR performance for Mn _x Co _{1-x} Cr ₂ O ₄ spinel-type catalysts. <i>Catalysis Science and Technology</i> , 2020, 10, 4752-4765.	2.1	26
651	Influence of trivalent Cr ion substitution on the physicochemical, optical, electrical, and dielectric properties of sprayed NiFe ₂ O ₄ spinel-magnetic thin films. <i>RSC Advances</i> , 2020, 10, 25143-25154.	1.7	40
652	Types, Synthesis methods and applications of ferrites. , 2020, , 51-82.		39
653	Magnetic Separation Method for Isolating Rare-Earth Elements and Zirconium from Molten Salts. <i>Inorganic Materials</i> , 2020, 56, 583-590.	0.2	1
654	Substrate-Embedded Low-Resistance Solenoid Inductors for Integrated Voltage Regulators. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020, 10, 134-141.	1.4	4
655	Impact of crystallites on enhancement of bandgap of Mn _{1-x} Zn _x Fe ₂ O ₄ (1 ≤ x ≤ 0) nanospinels. <i>Chemical Physics Letters</i> , 2020, 745, 137240.	1.2	39
656	The immobilized Ni(II) species on thiourea functionalized copper ferrite: a reusable nanocatalyst for synthesis of biscoumarins under solvent-free conditions. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1493-1505.	1.2	2
657	Transformation in the structural and optical properties with the phase change from hematite (Fe ₂ O ₃) to pure spinel structure in Mn-Zn nanoferrites. <i>Physica B: Condensed Matter</i> , 2020, 584, 412107.	1.3	5
658	Magnetic Nanoheterostructures. <i>Nanomedicine and Nanotoxicology</i> , 2020, , .	0.1	3

#	ARTICLE	IF	CITATIONS
659	First-principles study of magnetic and thermoelectric properties of SnFe ₂ O ₄ and SnCo ₂ O ₄ spinels. Journal of Solid State Chemistry, 2020, 286, 121279.	1.4	18
660	Structural, thermal, spectral, optical and surface analysis of rare earth metal ion (Gd ³⁺) doped mixed Zn-Mg nano-spinel ferrites. Ceramics International, 2020, 46, 13170-13179.	2.3	126
661	Change of structural and magnetic property due to zinc substitution and sintering temperature of nano-crystalline Cobalt ferrite. Phase Transitions, 2020, 93, 301-310.	0.6	1
662	Ferrite Permanent Magnets in Electrical Machines: Opportunities and Challenges of a Non-Rare-Earth Alternative. IEEE Transactions on Magnetics, 2020, 56, 1-20.	1.2	52
663	Proximity effect tuned magnetic properties in composites of carbon nanotubes and nanoparticles of CoFe ₂ O ₄ . Journal of Magnetism and Magnetic Materials, 2020, 501, 166438.	1.0	7
664	Exploring the effect of Co concentration on magnetic hyperthermia properties of Co _x Fe _{3-2x} O ₄ nanoparticles. Materials Research Express, 2020, 7, 016113.	0.8	12
665	Comparative adsorption mechanism of doxycycline and Congo red using synthesized kaolinite supported CoFe ₂ O ₄ nanoparticles. Environmental Pollution, 2020, 260, 114019.	3.7	105
666	Synthesis of Core-Shell Mn ₃ X ₂ O ₈ Nanoparticles. $\frac{1}{x} \left(\frac{1}{y} \right)^z$ nanoparticles. Nano Structures, 2020, 10, 10.	1.9	10
667	Microwave absorption properties of nanostructure composite particles based on SrFe ₁₂ O ₁₉ . Journal of the Australian Ceramic Society, 2020, 56, 251-256.	1.1	10
668	Eutectic crystallized FePd nanoparticles for liquid metal magnet. Chemical Communications, 2020, 56, 6555-6558.	2.2	11
669	Influence of antimony substitution on structural, magnetic and optical properties of cadmium spinel ferrite. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	21
670	Unary doping effect of A ²⁺ (A = Zn, Co, Ni) on the structural, electrical and magnetic properties of substituted iron oxide nanostructures. Journal of Materials Science: Materials in Electronics, 2020, 31, 8268-8282.	1.1	8
671	Magnetic and photocatalytic properties of Ni-Co ferrites. Solid State Sciences, 2020, 104, 106199.	1.5	42
672	Specific Loss Power of Co/Li/Zn-Mixed Ferrite Powders for Magnetic Hyperthermia. Sensors, 2020, 20, 2151.	2.1	16
673	Shape Anisotropic Iron Oxide-Based Magnetic Nanoparticles: Synthesis and Biomedical Applications. International Journal of Molecular Sciences, 2020, 21, 2455.	1.8	96
674	Effect of Mg-substitution in Co-Ni-Ferrites: Cation distribution and magnetic properties. Materials Chemistry and Physics, 2020, 251, 123081.	2.0	42
675	Structural, magnetic and optical properties and photocatalytic activity of magnesium-calcium ferrite powders. Journal of Physics and Chemistry of Solids, 2021, 148, 109681.	1.9	28
676	Mixed Mg-Co spinel ferrites: Structure, morphology, magnetic and photocatalytic properties. Journal of Alloys and Compounds, 2021, 855, 157429.	2.8	73

#	ARTICLE	IF	CITATIONS
677	Evaluation of bifunctional applications of CuFe ₂ O ₄ nanoparticles synthesized by a sonochemical method. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 148, 109756.	1.9	44
678	The influence of cation distribution on the magnetic properties of mixed Co _{1-y} Ni _y Fe ₂ O ₄ nanoferrites produced by the sol-gel method. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156799.	2.8	18
679	Design and fabrication of spinel nanocomposites derived from perovskite hydroxides as gas sensing layer for volatile organic compounds detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129076.	4.0	18
680	Sol-gel synthesized Mg-Ag-Mn nanoferrites for Power Applications. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 97, 205-212.	1.1	29
681	Interrelation between cationic distribution and electromagnetic properties of vanadium-substituted Mn-Zn ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 977-992.	1.1	10
682	Structure, magnetic, photocatalytic and blood compatibility studies of nickel nanoferrites prepared by laser ablation technique in distilled water. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157279.	2.8	19
683	An all-inorganic, fully dense, stretchable ceramic magnetic film. <i>Nanoscale Advances</i> , 2021, 3, 800-804.	2.2	0
684	Cobalt ferrite nanoparticles and nanocomposites: Photocatalytic, antimicrobial activity and toxicity in water treatment. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105523.	1.9	87
686	The influence of the starch coating on the magnetic properties of nanosized cobalt ferrites obtained by different synthetic methods. <i>Materials Research Bulletin</i> , 2021, 134, 111117.	2.7	16
687	Role of Nature of Rare Earth Ion Dopants on Structural, Spectral, and Magnetic Properties in Spinel Ferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 1745-1751.	0.8	15
689	Synergistic effect of a spinel ferrite on the adsorption capacity of nano bio-silica for the removal of methylene blue. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2163-2176.	1.2	17
690	Notes on useful materials and synthesis through various chemical solution techniques. , 2021, , 29-78.		1
691	Investigation of structural, optical, and magnetic properties of Co ²⁺ ions substituted CuFe ₂ O ₄ spinel ferrite nanoparticles prepared via precipitation approach. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 543-553.	1.1	13
692	Facile synthesis, structure and infrared properties of CoFe ₂ O ₄ ferrite nanoparticles (CFN). <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
693	Preparation and characterization of Ni _{0.5} Zn _{0.5} Co _{0.2} Fe _{1.8} O ₄ filled polypropylene composites. <i>Materials Today: Proceedings</i> , 2021, 46, 8404-8409.	0.9	0
694	Recent advances in synthesis, characterization, and applications of nanoparticles for contaminated water treatment- A review. <i>Ceramics International</i> , 2021, 47, 1526-1550.	2.3	97
695	Rare-Earth Substituted Magnetostrictive Ferrites: A Case Study of Gadolinium (Gd) Substituted Cobalt Ferrite. , 2021, , 134-134.		1
696	Nanostructured Ferrites: Structure, Properties and Performance. , 2022, , 177-195.		2

#	ARTICLE	IF	CITATIONS
697	Magnetic materials and magnetic separation of dyes from aqueous solutions: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1275-1294.	8.3	63
698	Polymer-Coated Magnetite Nanoparticles for Protein Immobilization. <i>Materials</i> , 2021, 14, 248.	1.3	64
699	Structural, magnetic, dielectric and hyperfine interaction studies of titanium (Ti ⁴⁺)-substituted nickel ferrite (Ni _{1-x} Ti _x Fe ₂ O ₄) nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4556-4567.	1.1	7
700	Polycrystalline powder. , 2021, , 149-157.		0
701	Antibacterial Activity of Cobalt Ferrite (CoFe ₂ O ₄) Nanoparticles against Oral Enterococci. <i>Materials Science Forum</i> , 0, 1021, 150-159.	0.3	3
702	Structural and Electrical Properties of Nano [Ni _{0.6} Zn _{0.4} Fe ₂ O ₄] Spinel Ferrite. <i>International Journal of Scientific Research in Science and Technology</i> , 2021, , 115-118.	0.1	0
703	Magnetic properties of bulk nanocrystalline cobalt ferrite obtained by high-pressure field assisted sintering. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 194006.	1.3	5
704	Magnetic nanoparticles for components of MRI diagnostics and electronic devices. <i>Journal of the Belarusian State University Physics</i> , 2021, , 12-19.	0.1	0
705	The Potential of Using Zn _{0.6} Ni _{0.4} Fe ₂ O ₄ Nanoparticles as Corrosion Inhibitor for Carbon Steel in Oil Environment. <i>Materials Science Forum</i> , 0, 1021, 335-343.	0.3	2
706	Investigation of Magnetic and Dielectric Properties of Cobalt Cubic Spinel Ferrite Nanoparticles Synthesized by CTAB-Assisted Co-precipitation Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 1467-1476.	0.8	5
707	Microwave absorption properties of Ni-substituted cobalt ferrite-loaded carbon nanofiber composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8429-8439.	1.1	7
708	Aluminum Substitution in Ni-Co Based Spinel Ferrite Nanoparticles by Sol-Gel Auto-Combustion Method. <i>Journal of Electronic Materials</i> , 2021, 50, 3302-3311.	1.0	22
709	Effect of Co ²⁺ substitution on the structural, terahertz and magnetic characterization of NiZn ferrites. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 215002.	1.3	1
710	A study on microstructure and magnetic properties of nanostructured Co _x Ni _{1-x} Mn _{0.5} Fe _{1.5} O ₄ (x=0,0.25,0.5,0.75,1) spinel ferrites. <i>Revista Mexicana De Física</i> , 2021, 67, 527.	0.2	0
711	Review on recent advances of zinc substituted cobalt ferrite nanoparticles: Synthesis characterization and diverse applications. <i>Ceramics International</i> , 2021, 47, 10512-10535.	2.3	76
712	Green synthesis of CuFe ₂ O ₄ nanoparticles mediated by <i>Morus alba</i> L. leaf extract: Crystal structure, grain morphology, particle size, magnetic and catalytic properties in Mannich reaction. <i>Ceramics International</i> , 2021, 47, 21373-21380.	2.3	46
713	COMPARATIVE STUDY OF REMOVAL POLLUTANTS (HEAVY METALS) BY AGRICULTURAL WASTES AND OTHER CHEMICAL FROM THE AQUEOUS SOLUTIONS. <i>Iraqi Journal of Agricultural Sciences</i> , 2021, 52, 392-402.	0.1	2
715	Nanocomposites of ZnO mixed with different Ni-ferrite contents: Structural and magnetic properties. <i>Physica B: Condensed Matter</i> , 2021, 607, 412861.	1.3	5

#	ARTICLE	IF	CITATIONS
716	Biosensing platform on ferrite magnetic nanoparticles: Synthesis, functionalization, mechanism and applications. <i>Advances in Colloid and Interface Science</i> , 2021, 290, 102380.	7.0	32
717	Structure and dielectric properties of thin nanocrystalline ZnFe ₂ O ₄ films. <i>Ferroelectrics</i> , 2021, 575, 130-139.	0.3	2
718	Review on functional bi-component nanocomposites based on hard/soft ferrites: Structural, magnetic, electrical and microwave absorption properties. <i>Nano Structures Nano Objects</i> , 2021, 26, 100728.	1.9	63
719	Recent Advances in the Development of Magnetic Nanoparticles for Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 2705-2741.	0.9	8
720	Low-loss characteristics and sustained magneto-dielectric behaviour of cobalt ferrite nanoparticles over 1–6 GHz frequency range. <i>Ceramics International</i> , 2021, 47, 22164-22171.	2.3	14
721	Calcination effect on structural, morphological and magnetic properties of nano-sized CoFe ₂ O ₄ developed by a simple co-precipitation technique. <i>Materials Chemistry and Physics</i> , 2021, 264, 124442.	2.0	36
722	Synthesis and characterization of nanoparticles Zn _{0.7} Ni _{0.15} Cu _{0.15} Fe ₂ O ₄ using the co-precipitation method. <i>Journal of Physics: Conference Series</i> , 2021, 1882, 012012.	0.3	1
723	Study on the Mechanism of Selective Catalytic Reduction of NO _x by NH ₃ over Mn-Doped CoCr ₂ O ₄ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 14228-14238.	1.5	14
725	The influence of citric acid on the microstructure and magnetic properties of cobalt ferrite nanoparticles synthesized by hydrothermal method. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	10
726	An innovative direct non-aqueous method for the development of Co doped Ni-Zn ferrite nanoparticles. <i>Materials Today Communications</i> , 2021, 27, 102238.	0.9	6
727	Improved self heating and optical properties of bifunctional Fe ₃ O ₄ /ZnS nanocomposites for magnetic hyperthermia application. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 528, 167809.	1.0	24
728	Hierarchical lichee-like Fe ₃ O ₄ assemblies and their high heating efficiency in magnetic hyperthermia*. <i>Chinese Physics B</i> , 2021, 30, 104402.	0.7	4
729	Microwave-assisted catalytic activity of superparamagnetic spinel ferrites. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2792-2801.	1.6	3
730	Microwave-assisted combustion synthesis of soft ferromagnetic spinel MFe ₂ O ₄ (M = Ni, Mg, Zn) nanoparticles using Citrus limon fruit extract as a fuel. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	4
731	Structural and Magnetic Properties of Mn _x Ba _{0.5-x} Co _{0.5} Fe ₂ O ₄ Nanosized Ferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 2331-2338.	0.8	0
732	Activation of peroxymonosulfate (PMS) by spinel ferrite and their composites in degradation of organic pollutants: A Review. <i>Chemical Engineering Journal</i> , 2021, 414, 128800.	6.6	211
733	Green synthesis of CoFe ₂ O ₄ nanoparticles using olive leaf extract and characterization of their magnetic properties. <i>Ceramics International</i> , 2021, 47, 19198-19204.	2.3	32
734	The photocatalytic performance and structural characteristics of nickel cobalt ferrite nanocomposites after doping with bismuth. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 902-913.	5.0	26

#	ARTICLE	IF	CITATIONS
735	Oral delivery of topotecan in polymeric nanoparticles: Lymphatic distribution and pharmacokinetics. <i>Journal of Controlled Release</i> , 2021, 335, 86-102.	4.8	13
736	Synthesis of ferrites using various parts of plants: a mini review. <i>Journal of Physics: Conference Series</i> , 2021, 1964, 032003.	0.3	7
737	A mini-review of ferrites-based photocatalyst on application of hydrogen production. <i>Frontiers in Energy</i> , 2021, 15, 621-630.	1.2	11
738	Calcium doped $\text{Ca}_{1-x}\text{Sr}_x\text{Fe}_2\text{O}_4$ complex system: Cerium content and copper substitution dependence of cation distribution and magnetic-electric properties in spinel ferrites. <i>Ceramics International</i> , 2021, 47, 18177-18187.	1.9	43
739	Effect of lemon juice on microstructure, phase changes, and magnetic performance of CoFe_2O_4 nanoparticles and their use on release of anti-cancer drugs. <i>Ceramics International</i> , 2021, 47, 20210-20219.	2.3	48
740	S�ntese, caracteriza�o magn�tica e el�trica da ferrita de aluminato de cobre. <i>Research, Society and Development</i> , 2021, 10, e31210817314.	0.0	0
741	Review on soft magnetic metal and inorganic oxide nanocomposites for power applications. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159500.	2.8	53
742	Nanostructured quaternary $\text{Ni}_{1-x}\text{Cu}_x\text{Fe}_2\text{-yCe}_y\text{O}_4$ complex system: Cerium content and copper substitution dependence of cation distribution and magnetic-electric properties in spinel ferrites. <i>Ceramics International</i> , 2021, 47, 18177-18187.	2.3	10
743	Efficient spin-wave transmission in epitaxial thin films of defect spinel $\hat{1}^3\text{-Fe}_2\hat{a}^x\text{Al}_x\text{O}_3$. <i>Applied Physics Letters</i> , 2021, 119, 082402.	1.5	2
744	Non-stoichiometric zinc ferrite nanostructures: Dielectric, magnetic, optical and photoelectrochemical properties. <i>Materials Today Communications</i> , 2021, 28, 102662.	0.9	5
745	Magnetic properties and structural analysis on spinel MnFe_2O_4 nanoparticles prepared via non-aqueous microwave synthesis. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 2061-2072.	0.6	10
746	Synthesis and comparative evaluation of optical and electrochemical properties of Ni^{+2} and Pr^{+3} ions co-doped mesoporous TiO_2 nanoparticles with undoped Titania. <i>Applied Nanoscience (Switzerland)</i> , 0, , 1.	1.6	1
747	Structural, Optical and Magnetic Properties of Diamagnetic Cd^{2+} Incorporated Cobalt Ferrite Thin Films Deposited by Spray Pyrolysis. <i>Journal of Electronic Materials</i> , 2021, 50, 6525-6534.	1.0	3
748	Structural, magnetic, and electrical evaluations of rare earth Gd^{3+} doped in mixed $\text{Co}^{\text{II}}\text{Mn}$ spinel ferrite nanoparticles. <i>Ceramics International</i> , 2022, 48, 578-586.	2.3	37
749	Seed-mediated synthesis and characterization of $\text{ZnO}@^{\hat{1}^3}\text{-Fe}_2\text{O}_3$ nanospheres: Building up the core-shell model. <i>Journal of Crystal Growth</i> , 2021, 572, 126279.	0.7	8
750	Phase transformation and structural evolution in iron oxide nanostructures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 272, 115329.	1.7	18
751	An overview of heterojunctioned ZnFe_2O_4 photocatalyst for enhanced oxidative water purification. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105812.	3.3	101
752	Highly efficient toluene gas sensor based on spinel structured hollow urchin-like core-shell ZnFe_2O_4 spheres. <i>Sensors and Actuators B: Chemical</i> , 2021, 349, 130734.	4.0	38

#	ARTICLE	IF	CITATIONS
753	Spinel ferrites nanoparticles: Synthesis methods and application in heterogeneous Fenton oxidation of organic pollutants – A review. Applied Surface Science Advances, 2021, 6, 100145.	2.9	101
754	Effect of Sr ²⁺ Ion-Substituted Nickel Ferrite Nanoparticles Prepared by a Simple Microwave Combustion Method. Journal of Superconductivity and Novel Magnetism, 2021, 34, 971-980.	0.8	7
755	A study of the magnetic properties and the magneto-crystalline anisotropy for the nano-composites CoFe ₂ O ₄ /Sm _{0.7} La _{0.3} FeO ₃ . Journal of Materials Science: Materials in Electronics, 2021, 32, 4480-4492.	1.1	9
756	Noncarbon-based nanomaterials for concrete applications. , 2021, , 59-104.		0
757	Magnetically separable graphene oxide-based spinel ferrite nanocomposite for water remediation. , 2021, , 559-573.		0
758	Magnetic nanoparticle-polymer hybrid materials. , 2021, , 139-182.		1
759	Facile surface modification of Nickel ferrite nanomaterial by different routes: Photoluminescence and photocatalytic activities. Materials Today: Proceedings, 2021, 46, 6022-6027.	0.9	2
760	Surface Structure Engineering of Nanosheet-Assembled NiFe ₂ O ₄ Fluffy Flowers for Gas Sensing. Nanomaterials, 2021, 11, 297.	1.9	3
761	The interplay of Ag and ferromagnetic MgFe ₂ O ₄ for optimized oxygen-promoted hydrogen evolution <i>via</i> formaldehyde reforming. Catalysis Science and Technology, 2021, 11, 6462-6469.	2.1	13
762	Sustainable synthesis of AFe ₂ O ₄ (A = Mg, Zn, Mn) catalysts: comparing the photooxidative and electrochemical properties towards organic dyes detection and degradation. New Journal of Chemistry, 2021, 45, 10049-10056.	1.4	26
763	Ferrites Obtained by Sol-Gel Method. , 2016, , 1-41.		8
764	Ferrites Obtained by Sol-Gel Method. , 2018, , 1-41.		7
765	Ferrites Obtained by Sol-Gel Method. , 2018, , 695-735.		52
766	Cation Distribution and Magnetic Properties of Gd ³⁺ -Substituted Ni-Zn Nano-ferrites. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2821-2827.	0.8	7
767	Silver-, gold-, and iron-based metallic nanoparticles. , 2018, , 161-242.		8
768	Facile Preparation of Iron-Manganese Oxide@Diatomite Composite for Effective Removal of Vanadium from Wastewater. Australian Journal of Chemistry, 2019, 72, 717.	0.5	9
769	Probing the structural and magnetic properties of small crystalline nickel ferrite nanoparticles near the upper size limit of the single-domain regime. Advances in Applied Ceramics, 2020, 119, 224-232.	0.6	9
770	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

#	ARTICLE	IF	CITATIONS
771	Synthesis of CoFe ₂ O ₄ Nanoparticles: The Effect of Ionic Strength, Concentration, and Precursor Type on Morphology and Magnetic Properties. Journal of Nanomaterials, 2020, 2020, 1-12.	1.5	26
772	Preparation and Magnetic Characteristics of Co _{1-x} Zn _x Fe ₂ O ₄ Ferrite Nanopowders. Acta Physica Polonica A, 2017, 131, 1236-1239.	0.2	3
773	Novel magnetic multicore nanoparticles designed for MPI and other biomedical applications: From synthesis to first in vivo studies. PLoS ONE, 2018, 13, e0190214.	1.1	61
774	Synthesis and Characterization of Structural, and Electrical Properties of Mg(0.25x)Cu(0.25x)Zn(1-x)Fe ₂ O ₄ Ferrite Nanoparticles. Journal of Materials Science: Materials in Electronics, 2020, 31, 1023-1031.	0.1	0
775	Viewing the Emphasis on State-of-the-Art Magnetic Nanoparticles: Synthesis, Physical Properties, and Applications in Cancer Theranostics. Current Pharmaceutical Design, 2019, 25, 1505-1523.	0.9	17
776	Preparation of A Magnetic Nanosensor Based on Cobalt Ferrite Nanoparticles for The Electrochemical Determination of Methylidopa in The Presence of Uric Acid. Combinatorial Chemistry and High Throughput Screening, 2020, 23, 1023-1031.	0.6	3
777	Structural, optical and vibrational study of zinc copper ferrite nanocomposite prepared by exploding wire technique. Materials Science-Poland, 2018, 36, 722-732.	0.4	21
778	Calcination effects on the crystal structure and magnetic properties of CoFe ₂ O ₄ nanopowders synthesized by the coprecipitation method. Revista Mexicana De Física, 2020, 66, 251-257.	0.2	4
779	Recovery of Natural Nanostructured Minerals. Advances in Environmental Engineering and Green Technologies Book Series, 2020, , 450-470.	0.3	8
780	Ni _{0.5} Zn _{0.4} Cu _{0.1} Fe ₂ O ₄ Complex Ferrite Nanoparticles Synthesized by Chemical Coprecipitation Predicted by Thermodynamic Modeling. Journal of the Korean Ceramic Society, 2013, 50, 231-237.	1.1	1
781	Structural and Optical Properties of Mg _{1-x} Zn _x Fe ₂ O ₄ Nano-Ferrites Synthesized Using Co-Precipitation Method. Advances in Nanoparticles, 2015, 04, 45-52.	0.3	33
782	Structural and Magnetic Properties of Cr-Co Nanoferrite Particles. Advances in Nanoparticles, 2016, 05, 103-113.	0.3	11
783	Direct Preparation of the Nanocrystalline MnZn Ferrites by Using Oxalate as Precipitant. Journal of Materials Science and Chemical Engineering, 2015, 03, 23-29.	0.2	1
784	Effect of Aluminium Doping on Structural and Magnetic Properties of Ni-Zn Ferrite Nanoparticles. World Journal of Nano Science and Engineering, 2015, 05, 68-77.	0.3	44
785	Crystalization in Spinel Ferrite Nanoparticles. , 0, , .		8
786	Synthesis, Properties, and Applications of Spinel Cobalt Ferrites. Engineering Materials, 2022, , 1-16.	0.3	1
787	Synthesis and magnetic studies of pure and doped NiZn ferrite films using Sol gel method. Materials Chemistry and Physics, 2022, 276, 125357.	2.0	7
788	Improvement of Giant Magnetoimpedance and Sensitivity in Co _{68.5-x} Fe _{4Wx} Si _{16.5} B ₁₁ (x = 0.8, 2) Ribbons Sandwiched in PVA/Fe ₃ O ₄ Nanocomposite Films. Journal of Superconductivity and Novel Magnetism, 2022, 35, 201-213.	0.8	0

#	Comparative study of sonochemically and hydrothermally synthesized Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ nanoparticles: Structure and cationic distribution independent soft magnetic properties of single-domain Mg _{1-x} Ni _x Fe ₂ O ₄ (0 ≤ x ≤ 1.0) nanocrystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115494.	IF	CITATIONS
789	Effect Investigation of Zn Substitution on the characterization of Cobalt Ferrite Nano Particles Prepared Co-precipitation method. IOSR Journal of Applied Chemistry, 2014, 7, 30-37.	1.9	11
790	Effect of Zn Substitution on the Characterization of Cobalt Ferrite Nano Particles Prepared Co-precipitation Method. Journal of Nanomaterials & Molecular Nanotechnology, 2015, 04, .	0.1	1
794	Effect of PVP Additive on Properties of Cobalt Ferrite Nanoparticles Prepared by Hydrothermal Method. Istiqlak, 2015, 34, 67-77.	0.1	0
796	In situ production of cationic lipid coated magnetic nanoparticles in multiple emulsions for gene delivery. Marmara Pharmaceutical Journal, 2016, 20, 72.	0.5	0
797	Effect of Pressure on the Magnetic Properties of Magnetite Nanoparticles Synthesized Using a High Pressure Homogenizer. Journal of the Korean Magnetics Society, 2016, 26, 190-195.	0.0	0
798	Magnetic Nanogel-enabled Image-guided Therapy. RSC Smart Materials, 2017, , 109-127.	0.1	1
799	Synthesis, structure and magnetic properties of nanoparticles of (Fe _{1-x} Ni _x)Fe ₂ O ₄ solid solutions. Himia, Fizika Ta Tehnologija Poverhni, 2017, 8, 194-202.	0.2	2
800	The Role of Various Spinel Ferrites Magnetic Nanoparticles in the Improvement of Photovoltaic Performance of Organic Solar Cell: A Review. Springer Proceedings in Energy, 2018, , 193-199.	0.2	0
801	Ferrites Obtained by Sol-Gel Method. , 2018, , 1-40.		0
802	Effect of sintering temperature on structural and magnetic properties of bulk Mg-ferrites. International Journal of Materials Research, 2019, 110, 979-984.	0.1	0
804	Catalytic ozonation of dibutyl phthalate in the presence of Ag-doped NiFe ₂ O ₄ and its mechanism. Environmental Technology (United Kingdom), 2021, 42, 4528-4538.	1.2	7
805	Synthesis and Transport Properties of Cobalt Ferrite: A Systematic Overview. Micro and Nanosystems, 2020, 12, .	0.3	5
806	Spinel Nanoferrites: A Versatile Platform for Environmental Remediation. Topics in Mining, Metallurgy and Materials Engineering, 2021, , 315-347.	1.4	0
807	Solar Fuels via Two-Step Thermochemical Redox Cycles. Green Energy and Technology, 2020, , 31-84.	0.4	2
808	Produção de Nanopartículas de ferritas do tipo espinélio: Um estudo bibliométrico. Research, Society and Development, 2020, 9, e05911546.	0.0	1
809	Ferrite Nanoparticles for Biomedical Applications. Nanomedicine and Nanotoxicology, 2020, , 243-265.	0.1	9

#	ARTICLE	IF	CITATIONS
810	High-throughput investigation of the formation of double spinels. Journal of Materials Chemistry A, 2020, 8, 25756-25767.	5.2	36
811	Facile and eco-friendly route for green synthesis of magnesium ferrite nano particles. Science of Sintering, 2020, 52, 53-65.	0.5	6
812	Influence of Precipitating Agent Concentration on Nanoparticles Size and Magnetic Properties of Zinc Ferrites. Revista De Chimie (discontinued), 2020, 71, 10-14.	0.2	0
813	Engineered Magnetic Nanocomposites to Modulate Cellular Function. Small, 2022, 18, e2104079.	5.2	16
814	Application of low-cost MFe ₂ O ₄ (M = Cu, Mn, and Zn) spinels in low-temperature selective catalytic reduction of nitrogen oxide. Journal of Cleaner Production, 2022, 330, 129825.	4.6	18
815	Recovery of Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ from Zn-C battery: auto-combustion synthesizes, characterization, and electromagnetic properties. Journal of Sol-Gel Science and Technology, 2021, 100, 526-537.	1.1	6
816	Electronic and magnetic properties of CoFe ₂ O ₄ nanostructures: An ab-initio and Monte Carlo study. Physica B: Condensed Matter, 2022, 627, 413548.	1.3	6
817	Size Effect of Fe ₃ O ₄ Nanoparticles on Magnetism and Dispersion Stability of Magnetic Nanofluid. Frontiers in Energy Research, 2021, 9, .	1.2	12
818	Engineered magnetic oxides nanoparticles as efficient sorbents for wastewater remediation: a review. Environmental Chemistry Letters, 2022, 20, 519-562.	8.3	28
819	Absorption-dominant microwave shielding properties of Sn _{0.2} Fe _{2.8} O ₄ -graphite-PVDF ternary nanocomposite films. Journal Physics D: Applied Physics, 2022, 55, 095002.	1.3	3
820	Natural fuel assisted synthesis of Mg-Cu ferrite nanoparticles: Evaluation of structural, dielectric, magnetic and humidity sensing properties. Ceramics International, 2022, 48, 4874-4885.	2.3	15
821	Structural, Optical and Magnetic Properties of Cobalt Ferrite Nanomaterials, Synthesized by a Green Technological Approach Using Lemon Juice. Lecture Notes in Mechanical Engineering, 2022, , 249-261.	0.3	1
822	Unveiling the Hidden Entropy in ZnFe ₂ O ₄ . SSRN Electronic Journal, 0, , .	0.4	0
824	Effect of CuS Nanosphere Shell on Microstructure and Microwave Absorption Properties of Carbon Nanotube@Cobalt Ferrite Composites. SSRN Electronic Journal, 0, , .	0.4	0
825	Magnetogenetics: remote activation of cellular functions triggered by magnetic switches. Nanoscale, 2022, 14, 2091-2118.	2.8	17
826	Effect of calcination temperature on photocatalytic activity of magnetic Fe-based composites recycled from hazardous EAF dust. Materials Research Bulletin, 2022, 148, 111688.	2.7	2
827	Structural and magnetic studies of NiFe ₂ O ₄ and NiFe ₂ O ₄ @SiO ₂ -Silane agent samples useful for the removal of Cu ²⁺ ions. Journal of Alloys and Compounds, 2022, 899, 163403.	2.8	8
828	Minimum hysteresis loss and amplified magnetic properties of superparamagnetic Ni-Zn nano spinel ferrite. Physics Open, 2022, 10, 100099.	0.7	7

#	ARTICLE	IF	CITATIONS
829	Reusability of Photocatalytic CoFe ₂ O ₄ @ZnO Core-Shell Nanoparticles for Dye Degradation. ECS Journal of Solid State Science and Technology, 2022, 11, 023004.	0.9	21
830	Magnetic Nanostructures: Rational Design and Fabrication Strategies toward Diverse Applications. Chemical Reviews, 2022, 122, 5411-5475.	23.0	49
831	Effect of Copper Sulfide Nanosphere Shell on Microstructure and Microwave Absorption Properties of Carbon Nanotube@Cobalt Ferrite Composites. SSRN Electronic Journal, 0, , .	0.4	0
832	Methylene blue removal from aqueous solution using micro-/mesoporous solid-state adsorbents: effect of preparation route. International Journal of Environmental Science and Technology, 2022, 19, 7165-7180.	1.8	1
833	Nonmagnetic Mg ²⁺ -induced cation occupation and magnetic properties of magnetite nanocrystals. Journal of Materials Science: Materials in Electronics, 2022, 33, 5587-5598.	1.1	4
834	Preparation of an electrochemical sensor based on a HKUST-1/CoFe ₂ O ₄ /SiO ₂ -modified carbon paste electrode for determination of azaperone. Microchemical Journal, 2022, 175, 107199.	2.3	17
835	Tailoring magnetic properties through variation of cations distribution in Zn-Cu ferrite nanoparticles prepared by exploding wire technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 278, 115608.	1.7	6
836	Investigation on structure, thermodynamic and multifunctional properties of Ni ²⁺ -Zn ²⁺ -Co ferrite for Gd ³⁺ substitution. RSC Advances, 2022, 12, 4656-4671.	1.7	15
837	Functionalized hybrid magnetic catalytic systems on micro- and nanoscale utilized in organic synthesis and degradation of dyes. Nanoscale Advances, 2022, 4, 1263-1307.	2.2	34
838	Transition metal carbonate anodes for Li-ion battery: fundamentals, synthesis and modification. Journal of Energy Chemistry, 2022, 70, 95-120.	7.1	12
839	Unveiling the Hidden Entropy in ZnFe ₂ O ₄ . Materials, 2022, 15, 1198.	1.3	4
840	Synergic effect of additives on the structure and properties of nano strontium hexaferrite synthesized via the gel combustion method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 278, 115631.	1.7	6
841	Spinel MgAl ₂ O ₄ nanospheres coupled with modified graphitic carbon nitride nanosheets as an efficient Z-scheme photocatalyst for photodegradation of organic contaminants. Applied Surface Science, 2022, 585, 152615.	3.1	11
842	Advancement of Spinel Ferrites for Biomedical Application. , 2022, , 227-253.		1
843	Evaluation of physical properties, cytotoxicity, and antibacterial activities of calcium-cadmium ferrite nanoparticles. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	8
844	Development of Thermo- and pH-Sensitive Liposomal Magnetic Carriers for New Potential Antitumor Thienopyridine Derivatives. Materials, 2022, 15, 1737.	1.3	8
845	Fabrication of Copper Ferrite Thin Films Using Spray-Pyrolysis Technique and their Structural Characterizations. Advanced Materials Research, 0, 1169, 117-122.	0.3	0
846	Synthesis, Characterizations and Magnetic Properties of Ce-Al Co-Doped Nickel Ferrite Nanoparticles. Advanced Materials Research, 0, 1169, 79-85.	0.3	0

#	ARTICLE	IF	CITATIONS
847	Observation of Spin-Glass-like Behavior over a Wide Temperature Range in Single-Domain Nickel-Substituted Cobalt Ferrite Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 1113.	1.9	3
848	Exploring the Dependence of Magnetic and Structural Properties on Co-precipitated Replacement of Zn in CoFe ₂ O ₄ Nanoparticles. <i>Journal of Electronic Materials</i> , 2022, 51, 2552-2563.	1.0	0
849	Role of pH on the Structural and Infrared Properties of Nickel Ferrite Nanoparticles Prepared via Sol-Gel Auto Combustion Method. <i>Advanced Materials Research</i> , 0, 1169, 15-20.	0.3	0
850	Single-Phase Precursors for the Preparation of Spinel Ferrites via Oxalate Route: the Study of Cobalt Ferrite Synthesis. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
851	Microstructure and magnetic properties of nickel-zinc ferrite ceramics fabricated by spark plasma sintering. <i>Ceramics International</i> , 2022, 48, 10412-10419.	2.3	6
852	High performance chlorinated natural rubber/zinc ferrite nanocomposite prepared through industrial compounding technique. <i>Polymer Bulletin</i> , 2023, 80, 3165-3182.	1.7	6
853	Synthesis and Characterization of Nano-CoFe ₂ O ₄ Ferrite: Application to the Adsorption of AG25 Dye in Aqueous Solution. <i>International Journal of Environmental Research</i> , 2022, 16, 1.	1.1	4
854	Electrospinning Derived NiO/NiFe ₂ O ₄ Fiber-in-Tube Composite for Fast Triethylamine Detection under Different Humidity. <i>ACS Sensors</i> , 2022, 7, 995-1007.	4.0	40
855	NiFe ₂ O ₄ nanoparticle modified electrochemical sensor for the voltammetric study of folic acid and paracetamol. <i>Materials Chemistry and Physics</i> , 2022, 284, 126087.	2.0	13
856	Role of ferrite nanoparticles in hyperthermia applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 552, 169236.	1.0	29
857	Synthesis, structural and dielectric properties of Mg/Zn ferrites -PVA nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 280, 115689.	1.7	19
858	Enhanced catalytic performance of Cu-doped MnFe ₂ O ₄ magnetic ferrites: Tetracycline hydrochloride attacked by superoxide radicals efficiently in a strong alkaline environment. <i>Chemosphere</i> , 2022, 297, 134154.	4.2	31
859	Analysis of the Stages of Yttrium Iron Garnet Formation from a Precursor Obtained by the Supercritical Antisolvent CO ₂ Precipitation Technique. <i>Russian Journal of Physical Chemistry B</i> , 2021, 15, 1126-1134.	0.2	2
860	Investigation of Supercapacitive Properties of Nanocrystalline Copper-Zinc (Cu _{0.5} Zn _{0.5} Fe ₂ O ₄) Ferrite Nanoparticles. <i>Macromolecular Symposia</i> , 2021, 400, .	0.4	4
861	Unusual ferrimagnetic ground state in rhenium ferrite. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	1
862	K-band microwave absorption analysis of sol-gel synthesized cobalt-substituted zinc spinel ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 12182-12200.	1.1	4
863	Atomic-Scale Imaging of Dopant Sites in a Ni-Doped Ideal Normal Spinel ZnFe ₂ O ₄ Nanofiber and Its Correlated Magnetism Origin. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7326-7336.	1.5	0
864	Hydrothermal Synthesis of Single-Domain Zinc Ferrite Nanoparticles (ZnFe_2O_4): Structural, Morphological, and Magnetic Studies. <i>Journal of Superconductivity and Novel Magnetism</i> , 0, , 1.	0.8	3

#	ARTICLE	IF	CITATIONS
865	Specific Surface Area Characterization of Spinel Ferrite Nanostructure Based Compounds for Photocatalysis and Other Applications Using Extreme Learning Machine Method. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-11.	0.6	5
866	Plant-Mediated Green Synthesis of Magnetic Spinel Ferrite Nanoparticles: A Sustainable Trend in Nanotechnology. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	13
867	Magnetically targeted delivery of Quercetin-loaded $\text{Ca}_{1-x}\text{Mn}_x\text{Fe}_2\text{O}_4$ nanocarriers: synthesis, characterization and in vitro study on HEK 293-T and MCF-7 cell lines. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	4
868	Multiferroic and energy harvesting characteristics of P(VDF-TrFE)- CuFe_2O_4 flexible films. <i>Polymer</i> , 2022, 252, 124910.	1.8	11
869	Structural, dielectric and gas sensing properties of gadolinium (Gd^{3+}) substituted zinc-manganese nanoferrites. <i>Polyhedron</i> , 2022, 221, 115893.	1.0	1
870	A study of Cr^{3+} -substitution induced defects restructuring in BiFeO_3 by positron annihilation and other supportive methods. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 142, 115286.	1.3	3
871	Octahedron-shaped nano FeCo_2O_4 phase materials: Wet chemical synthesis and characterization studies. <i>Current Nanomaterials</i> , 2022, 07, .	0.2	2
872	The effect of ruthenium substitution on the optical and magnetic properties of zinc ferrite nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 14281-14294.	1.1	5
873	Controlled synthesis of $\text{SPION}@ \text{SiO}_2$ nanoparticles using design of experiments. <i>Materials Advances</i> , 2022, 3, 6007-6018.	2.6	6
874	Cobalt ferrite nanoparticles synthesis by sol-gel auto-combustion method in the presence of agarose: a non-isothermal kinetic analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , .	2.0	2
875	Properties, applications, and synthesis of first transition series substituted cobalt ferrite: a mini review. <i>Journal of Physics: Conference Series</i> , 2022, 2267, 012133.	0.3	5
876	Intensive analysis of uncoated and surface modified Co-Zn nanoferrite as a heat generator in magnetic fluid hyperthermia applications. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	8
877	Effect of Ce^{3+} Substitution on Sr^{2+} ; Structural and Magnetic Properties of Nanocrystalline $\text{SrFe}_{12}\text{O}_{19}$ Hexaferrites Prepared by Self-Propagation Method Using Mixed Fuels. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 2485-2492.	0.8	3
878	Electrochemical properties of composites of graphene-oxide and cobalt-ferrite doped with zinc and gallium. <i>Tehnika</i> , 2022, 77, 155-162.	0.0	0
879	Synthesis of Nanomaterials by Chemical Route. , 2022, , 61-76.		4
880	Nanomaterials, their Types and Properties. , 2022, , 19-44.		15
881	Tunable Control of the Structural Features and Related Physical Properties of $\text{Mn}_x\text{Fe}_{3-x}\text{O}_4$ Nanoparticles: Implication on Their Heating Performance by Magnetic Hyperthermia. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10110-10128.	1.5	8
882	Studies on the dielectric and magnetic properties of neodymium-doped nickel ferrite for microwave absorption. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	2

#	ARTICLE	IF	CITATIONS
883	A study of structural and chemical properties of Ni _{1-x} Zn _x Fe ₂ O ₄ ferrite powder prepared by co-precipitation method. Digest Journal of Nanomaterials and Biostructures, 2022, 17, 741-748.	0.3	1
884	Magnetic Metal Oxide-Based Photocatalysts with Integrated Silver for Water Treatment. Materials, 2022, 15, 4629.	1.3	21
885	Catalytic ozonation of phenol by ZnFe ₂ O ₄ /ZnNCN: performance and mechanism. Environmental Science and Pollution Research, 2022, 29, 88172-88181.	2.7	2
886	Effect of Ni ²⁺ substitution on magnetic, optical and electrical properties of SrFe ₂ O ₄ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 283, 115848.	1.7	2
887	Catalytic glycolysis of polyethylene terephthalate (PET) by solvent-free mechanochemically synthesized MFe ₂ O ₄ (M=Co, Ni, Cu and Zn) spinel. Chemical Engineering Journal, 2022, 450, 137926.	6.6	23
888	Facile synthesis and characterisations of cobalt ferrite-silver-graphene oxide nanocomposite in enhancing electrochemical response capacity. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2022, 13, 035002.	0.7	2
889	Colossal permittivity, resistive and magnetic properties of zinc substituted manganese ferrites. Journal of Alloys and Compounds, 2022, 923, 166454.	2.8	3
890	The impacts of Mn ion incorporation on the structural, optical, and magnetic properties of hematite NPs. Nanotechnology for Environmental Engineering, 0, , .	2.0	0
891	Palladium decorated nickel and zinc ferrite spinel nanoparticles applied in aniline synthesis – development of magnetic catalysts. Journal of Materials Research and Technology, 2022, 19, 3624-3633.	2.6	2
892	Cobalt Nanoferrites: a Review on Synthesis, Characterization, and Applications. Journal of Superconductivity and Novel Magnetism, 2022, 35, 2639-2669.	0.8	21
893	Microwave absorption properties of rare earth (RE) ions doped Mn ²⁺ /Ni ²⁺ /Zn nanoferrites (RE = Dy, Sm,) Tj ETQq0 0 0 rgBT /Overlock 1 48, 33891-33900.	2.3	12
894	Biocompatibility and colorectal anti-cancer activity study of nanosized BaTiO ₃ coated spinel ferrites. Scientific Reports, 2022, 12, .	1.6	15
895	Strong-base free synthesis enhancing the structural, magnetic and optical properties of Mn/Co and Zn/Co substituted cobalt ferrites. Journal of Materials Research and Technology, 2022, 20, 905-915.	2.6	4
896	Photoelectron properties and enhanced field electron emission of cobalt ferrite-reduced graphene oxide nanocomposite. Journal of Electron Spectroscopy and Related Phenomena, 2022, 260, 147245.	0.8	1
897	Manganese ferrite (MnFe ₂ O ₄) nanostructures for cancer theranostics. Coordination Chemistry Reviews, 2022, 473, 214809.	9.5	77
898	Efficient removal of antimony by a facile liquid-controlled strategy reinforced hematite-spinel (Fe ₂ O ₃ -MnFe ₂ O ₄) composite: construction, simulation and practical evaluation. Chemical Engineering Journal, 2023, 451, 138974.	6.6	5
899	Magnetic alignment of rhodamine/magnetite dual-labeled microtubules probed with inverted fluorescence microscopy. Anais Da Academia Brasileira De Ciencias, 2022, 94, .	0.3	0
900	Effect of manganese substitution of ferrite nanoparticles on particle grain structure. Nanoscale Advances, 2022, 4, 3957-3965.	2.2	3

#	ARTICLE	IF	CITATIONS
901	Cofe2o4 Nanoparticle Using Aloe Vera and Flacortia Indica Root Extract by Green Approach: Electrochemical, Sensor and Antibacterial Applications. SSRN Electronic Journal, 0, , .	0.4	1
902	The role of Preparation Technique on the Structure, Electrical Properties of CoxZn1-xFe2O4 and its Electrocatalytic Effect on Hydrogen Evolution Reaction. Materials Research, 0, 25, .	0.6	0
903	Cofe2o4 Nanoparticle Using Aloe Vera and Flacortia Indica Root Extract by Green Approach: Electrochemical, Sensor and Antibacterial Applications. SSRN Electronic Journal, 0, , .	0.4	0
904	Overview of Properties, Applications, and Synthesis of 4D-Series Doped/Substituted Cobalt Ferrite. SSRN Electronic Journal, 0, , .	0.4	0
905	Designing of Kirkendall effect assisted CoFe : WS nanoboxes for sensitized solar cell and supercapacitor applications. International Journal of Energy Research, 2022, 46, 23195-23218.	2.2	9
907	Structural, optical and magnetic properties of nickel-copper ferrite $\text{Ni}_x\text{Cu}_{1-x}\text{Fe}_2\text{O}_4$. Optical and Quantum Electronics, 2022, 54, .	1.5	0
908	In-depth investigations of size and occupancies in cobalt ferrite nanoparticles by joint Rietveld refinements of X-ray and neutron powder diffraction data. Journal of Applied Crystallography, 2022, 55, 1336-1350.	1.9	1
909	Synthesis of Nanostructured Ferrites and Cation Distribution Studies by X-ray Magnetic Circular Dichroism, Mössbauer Spectroscopy, and X-ray Absorption Spectroscopy. Journal of Electronic Materials, 2022, 51, 6663-6688.	1.0	3
910	Facile green synthesis of nickel-ferrite-rGO ($\text{NiFe}_2\text{O}_4/\text{rGO}$) nanocomposites for efficient water purification under direct sunlight. Inorganic Chemistry Communication, 2022, 146, 110073.	1.8	7
911	Effect of Zn substitution on the AC induction heating properties of $\text{Zn}_x\text{Mn}_{1-x}\text{Fe}_2\text{O}_4$ ($x = 0.1\text{--}0.9$) nanoparticles prepared using microwave assisted synthesis. Ceramics International, 2022, 48, 33462-33473.	2.3	4
912	Co-precipitation of zinc ferrite nanoparticles in the presence and absence of polyvinyl alcohol with other constant parameters and the analysis of polyvinyl alcohol mediated zinc ferrite nanoparticles. Materials Chemistry and Physics, 2022, 292, 126799.	2.0	4
913	Magnetically recyclable CoFe_2O_4 nanoparticles as stable and efficient catalysts for the synthesis of aryl thioethers via C-S coupling reactions. New Journal of Chemistry, 2022, 46, 22766-22777.	1.4	3
914	In-Vitro Release of the Anticancer Agent Chlorogenic Acid Using β -Cyclodextrin/Folic Acid Functionalized Magnetic $\text{CoFe}_2\text{O}_4/\text{SWCNT}$ as Magnetic Targeted Delivery Carrier: Central Composite Design Optimization Study. Journal of Polymers and the Environment, 2023, 31, 221-237.	2.4	3
915	Metallurgical Residue-Derived Cu-ZnO -Based Catalyst for CO_2 Hydrogenation to Methanol: An Insight on the Effect of the Preparation Method. Industrial & Engineering Chemistry Research, 2022, 61, 15085-15102.	1.8	5
916	Synthesis, structure, thermal, magnetic, dielectric properties of Ce^{3+} doped M-type $\text{SrFe}_{12}\text{O}_{19}$ and electrochemical determination of L-cysteine. Inorganic Chemistry Communication, 2022, 146, 110175.	1.8	7
917	Construction of 0D/3D $\text{CoFe}_2\text{O}_4/\text{MIL-101}(\text{Fe})$ complement each other S-scheme heterojunction for effectively boosted photocatalytic degradation of tetracycline. Inorganic Chemistry Communication, 2022, 146, 110140.	1.8	19
918	Structure analysis, morphological observations and electrical behavior of $\text{Co}_0.4\text{Fe}_{2.6}\text{O}_4$ synthesized by surfactant-free solvothermal route. Solid State Sciences, 2022, 134, 107028.	1.5	3
919	Effective thermal conductivity of microemulsions consisting of water micelles in n-decane. International Journal of Heat and Mass Transfer, 2023, 200, 123526.	2.5	3

#	ARTICLE	IF	CITATIONS
920	Synergetic effect of metalâ€“support for enhanced performance of the Cuâ€“ZnOâ€“ZrO₂/UGSO catalyst for CO₂hydrogenation to methanol. Catalysis Science and Technology, 2023, 13, 81-99.	2.1	3
921	Overview of properties, applications, and synthesis of 4d-series doped/substituted cobalt ferrite. Inorganic Chemistry Communication, 2023, 147, 110201.	1.8	2
922	The Effect of Co-Doping on the Structural and Magnetic Properties of Single-Domain Crystalline Copper Ferrite Nanoparticles. Magnetochemistry, 2022, 8, 164.	1.0	5
923	Structural, MÃ¶ssbauer and magnetic study of Co _{1-x} Zn _x Fe ₂ O ₄ (xâ€“=â€“0.0â€“â€“0.56) nano ferrites. Hyperfine Interactions, 2023, 244, .	0.2	2
924	Bread waste in the form of CoFe ₂ O ₄ @TBW catalyst was used as a green biocatalyst to synthesize pyranopyrazole and tetraketone derivatives. Research on Chemical Intermediates, 2023, 49, 1507-1543.	1.3	2
925	Oleaster seed-derived activated carbon/ferrite nanocomposite for microwave absorption in the X-band range. Frontiers in Materials, 0, 9, .	1.2	5
926	In-situ construction of Zr-based metal-organic framework core-shell heterostructure for photocatalytic degradation of organic pollutants. Frontiers in Chemistry, 0, 10, .	1.8	2
927	Structural and magnetic analysis of Cd-Zn spinel ferrite nanoparticles. Physica Scripta, 2023, 98, 025823.	1.2	2
928	Impact of different magnetic materials added to silverâ€“magnetite nanoparticles on the structural, magnetic and antimicrobial properties. European Physical Journal: Special Topics, 2023, 232, 1339-1351.	1.2	12
929	Enhanced detoxification of Cr⁶⁺ by <i>Shewanella oneidensis</i> via adsorption on spherical and flower-like manganese ferrite nanostructures. Nanoscale Advances, 0, , .	2.2	0
930	Design of porous Ni and rare earth metal (Ce, Ho, and Eu) Co-doped TiO₂ nanoarchitectures for energy conversion and storage applications. New Journal of Chemistry, 2023, 47, 3560-3571.	1.4	5
931	Low dielectric loss, and enhanced magneto-dielectric properties of Cu _{0.5} Cd _{0.5} -CoFe ₂ O ₄ ferrites via Co ²⁺ substitution. Materials Today Communications, 2023, 34, 105371.	0.9	7
932	Photocatalytic Removal of Methylene Blue Dye Using CoZnFe₂₂/₂/₂/₄/₂/₂ SiO₂ Magnetic Nanoparticles. Key Engineering Materials, 0, 940, 55-64.	0.4	0
933	A Simplified and Efficient Method for Production of Manganese Ferrite Magnetic Nanoparticles and Their Application in DNA Isolation. International Journal of Molecular Sciences, 2023, 24, 2156.	1.8	3
934	Sodium alginate base nanocomposite for waste water treatment. , 2023, , 183-198.		2
935	Structural and magnetic properties of NiCuZn ferrite films deposited using sputtering. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	1
936	High-Pressure Synthesis and Magnetic Property of a Novel Ferrimagnetic Quadruple Perovskite YMn₃Co₄O₁₂. Materials Transactions, 2023, 64, 2105-2108.	0.4	1
937	Metallic nanoparticles for theranostic application. , 2023, , 351-387.		3

#	ARTICLE	IF	CITATIONS
938	The Analysis on Cations Distribution of $Mg_xNi_{1-x}Fe_2O_4$ ($x=0, 0.25, 0.5, 0.75, 1$) using Mossbauer spectroscopy and Magnetic measurement. Chinese Physics B, , .	0.7	0
939	In-situ fabrication of manganese ferrite grafted polyaniline nanocomposite: A magnetically reusable visible light photocatalyst and a robust electrode material for supercapacitor. Journal of Colloid and Interface Science, 2023, 642, 584-594.	5.0	6
940	Cobalt Ferrite Incorporated <i>Ocimum sanctum</i> Nanocomposite Matrix as an Interface for Adsorption of Organic Dyes: A Sustainable Alternative. ChemistrySelect, 2023, 8, .	0.7	11
941	Synthesis, characterization and electrical properties of polypyrrole/Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ /GO ternary hybrid composites using spent Zn-C batteries. Journal of Sol-Gel Science and Technology, 2023, 105, 781-792.	1.1	1
942	Enhanced Magnetization in $CoFe_2O_4$ Through Hydrogen Doping. Advanced Functional Materials, 2023, 33, .	7.8	7
943	Influence of Co doping on phase, structure and electrochemical properties of hydrothermally obtained $CoxZn_{1-x}Fe_2O_4$ ($x=0.0-0.4$) nanoparticles. Scientific Reports, 2023, 13, .	1.6	5
944	Study of Sintering Temperature Effects on the Structural and Electrical Properties of $Mg_{0.6}Co_{0.4}FeCrO_4$ Ferrites Synthesized by the Sol-Gel Method. Journal of Inorganic and Organometallic Polymers and Materials, 2023, 33, 1201-1218.	1.9	2
945	Genetic algorithm-assisted artificial neural network modelling for remediation and recovery of Pb (II) and Cr(VI) by manganese and cobalt spinel ferrite super nanoadsorbent. Chemosphere, 2023, 321, 138162.	4.2	6
947	Correlating the rheological and magneto-optical properties of cobalt substituted magnetite ferrofluids ($CoxFe_{1-x}Fe_2O_4$) with theoretical studies. Results in Materials, 2023, 17, 100382.	0.9	0
948	Lanthanum substituted barium spinel ferrites, enhancement in various properties nanocrystalline ferrites. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	6
950	Understanding the effect of synthesis and sintering temperature on the functional properties of barium titanate/cobalt ferrite composites. Science of Sintering, 2023, , 13-13.	0.5	0
951	Morphological, structural, surface, thermal, chemical, and magnetic properties of Al-doped nanostructured copper ferrites. Ceramics International, 2023, 49, 20261-20272.	2.3	3
952	Multiplicity of Zn coordination sites at cubic spinel ferrites: magnetism and influence of the Zn d band. Journal of Materials Science, 2023, 58, 5658-5677.	1.7	1
953	Magnetostrictive Cobalt Ferrite, Nanoparticles Preparation and Magnetic Characterization. , 2016, , 538-552.		0
957	Ferrite nanoparticles in food technology. , 2023, , 295-314.		0
959	Microstructural and magnetic properties of transition and rare-earth metals-substituted cobalt nanoferrites. , 2023, , 87-116.		0
960	Synthesis of novel hard/soft nanoferrite composites. , 2023, , 15-35.		0
961	Fabrication of magnetic nanoferrites by green methods: structural, magnetic, and catalytic properties. , 2023, , 37-61.		1

#	ARTICLE	IF	CITATIONS
962	Potential applications of transition and rare-earth metal substituted magnesium nanoferrites. , 2023, , 141-164.		0
963	Utilization of magnetic nanoferrite-based photocatalysts for elimination of organic pollutants from wastewater. , 2023, , 317-350.		0
965	Synthesis and structure characterization of cobalt ferrite (CoFe ₂ O ₄) nanoparticles by hydrothermal and powder metallurgy method. AIP Conference Proceedings, 2023, , .	0.3	0
966	Ferrite Nanoparticles for Antimicrobial Applications. Materials Horizons, 2023, , 199-225.	0.3	0
967	Ferrite Nanoparticles for Hyperthermia Treatment Application. Materials Horizons, 2023, , 77-93.	0.3	0
968	Ferrite Nanoparticles for Energy Storage Applications. Materials Horizons, 2023, , 189-197.	0.3	0
984	Metal ferrites nanoparticles for catalytic and photocatalytic ozonation in wastewater treatment: a review. Environmental Chemistry Letters, 2023, 21, 2953-2993.	8.3	2
995	Structural, morphological, and magnetic investigation of the zinc substituted magnesium spinel ferrite. AIP Conference Proceedings, 2023, , .	0.3	0
1022	A comprehensive review on the applications of ferrite nanoparticles in the diagnosis and treatment of breast cancer. , 2024, 41, .		0
1034	Multiferroic Magnetoelectric Materials, Mechanism, Classification, and Applications. Advances in Civil and Industrial Engineering Book Series, 2024, , 100-129.	0.2	0