Preparation and magnetic properties of nano size nicke hydrothermal method

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Citation Report

#	Article	IF	CITATIONS
1	Fabrication and performance optimization of Mnâ€"Zn ferrite/EP composites as microwave absorbing materials. Chinese Physics B, 2013, 22, 128101.	0.7	12
2	Apoferritin Modified Magnetic Particles as Doxorubicin Carriers for Anticancer Drug Delivery. International Journal of Molecular Sciences, 2013, 14, 13391-13402.	1.8	56
3	DC electrical and thermoelectric power measurement studies of Ni–Mg–Zn–Co ferrites. Journal of Magnetism and Magnetic Materials, 2013, 335, 109-113.	1.0	11
4	Study of NiFe ₂ O ₄ and ZnFe ₂ O ₄ Spinel Ferrites Prepared by Soft Mechanochemical Synthesis. Ferroelectrics, 2013, 448, 1-11.	0.3	35
5	Structure and Magnetic Properties of Nanocrystalline NiFe_{2}O_{4} Prepared via Precipitation Route. Acta Physica Polonica A, 2014, 126, 142-143.	0.2	2
6	ZnxCu(1â^'x)Fe2O4 Nanoferrites by Solâ€"Gel Auto Combustion Route: Cation Distribution and Microwave Absorption Properties. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 963-970.	1.9	6
7	Sol–gel synthesis of NiFe2O4 with PVA matrices and their catalytic activities for one-step hydroxylation of benzene into phenol. Journal of Thermal Analysis and Calorimetry, 2014, 116, 805-816.	2.0	13
8	Synthesis of ZnFe2O4 nanoplates by succinic acid-assisted hydrothermal route and their photocatalytic degradation of rhodamine B under visible light. Journal of Environmental Chemical Engineering, 2014, 2, 123-130.	3.3	94
9	Eco-environmental synthesis and characterization of nanophase powders of Co, Mg, Mn and Ni ferrites. Ceramics International, 2014, 40, 9599-9607.	2.3	47
10	Synthesis, structure and electromagnetic properties of Mn–Zn ferrite by sol–gel combustion technique. Journal of Magnetism and Magnetic Materials, 2014, 349, 116-120.	1.0	46
11	Hot injection thermolysis of heterometallic pivalate clusters for the synthesis of monodisperse zinc and nickel ferrite nanoparticles. Journal of Materials Chemistry C, 2014, 2, 6781-6789.	2.7	14
12	Ferrous sulfate based low temperature synthesis and magnetic properties of nickel ferrite nanostructures. Materials Research Bulletin, 2014, 60, 778-782.	2.7	13
13	Magnetic composite an environmental super adsorbent for dye sequestration – A review. Environmental Nanotechnology, Monitoring and Management, 2014, 1-2, 36-49.	1.7	127
14	Magnetic polymer nanocomposites for environmental and biomedical applications. Colloid and Polymer Science, 2014, 292, 2025-2052.	1.0	228
15	NiFe 2 O 4 /activated carbon nanocomposite as magnetic material from petcoke. Journal of Magnetism and Magnetic Materials, 2014, 360, 67-72.	1.0	29
16	Calculated Stability and Structure of Nickel Ferrite Crystal Surfaces in Hydrothermal Environments. Journal of Physical Chemistry C, 2014, 118, 5414-5423.	1.5	35
17	Shape and size-controlled synthesis of Ni Zn ferrite nanoparticles by two different routes. Materials Chemistry and Physics, 2014, 147, 443-451.	2.0	49
18	Inorganic Materials as Supports for Covalent Enzyme Immobilization: Methods and Mechanisms. Molecules, 2014, 19, 14139-14194.	1.7	354

#	ARTICLE	IF	Citations
19	Structural, dielectric and magnetic properties of nickel substituted cobalt ferrite nanoparticles: Effect of nickel concentration. AIP Advances, 2015, 5, .	0.6	118
20	Comparative cytotoxic response of nickel ferrite nanoparticles in human liver HepG2 and breast MFC-7 cancer cells. Chemosphere, 2015, 135, 278-288.	4.2	79
21	Size controlled sonochemical synthesis of highly crystalline superparamagnetic Mn–Zn ferrite nanoparticles in aqueous medium. Journal of Alloys and Compounds, 2015, 644, 774-782.	2.8	22
22	Role of SDS surfactant concentrations on the structural, morphological, dielectric and magnetic properties of CoFe ₂ O ₄ nanoparticles. RSC Advances, 2015, 5, 27060-27068.	1.7	57
23	Nanocrystalline ferrites used as adsorbent in the treatment process of waste waters resulted from ink jet cartridges manufacturing. Open Chemistry, $2015,13,13$	1.0	8
24	Phase formation, morphology and magnetic properties of MgFe2O4 nanoparticles synthesized by hydrothermal technique. Journal of Magnetism and Magnetic Materials, 2015, 381, 226-234.	1.0	39
25	Electrochemical synthesis, characterisation and phytogenic properties of silver nanoparticles. Applied Nanoscience (Switzerland), 2015, 5, 983-991.	1.6	76
26	Ce-Substituted Co0.5Ni0.5Fe2O4: Structural, morphological, electrical, and dielectric properties. Electronic Materials Letters, 2015, 11, 100-108.	1.0	20
27	Structural and magnetic properties of CoFe2O4/NiFe2O4 core/shell nanocomposite prepared by the hydrothermal method. Journal of Magnetism and Magnetic Materials, 2015, 395, 89-96.	1.0	71
28	Comparative study between TB-mBJ and GGA+U on magnetic and optical properties of CdFe2O4. Journal of Magnetism and Magnetic Materials, 2015, 393, 183-187.	1.0	45
29	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
30	Titania-Coated Magnetite and Ni-Ferrite Nanocomposite-Based RADAR Absorbing Materials for Camouflaging Application. Polymer-Plastics Technology and Engineering, 2015, 54, 1483-1493.	1.9	6
31	Influence of particle size on H 2 and H 2 S sensing characteristics of nanocrystalline nickel ferrite. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 74, 570-575.	1.3	15
32	Dual responsive PNIPAM–chitosan targeted magnetic nanopolymers for targeted drug delivery. Journal of Magnetism and Magnetic Materials, 2015, 380, 315-320.	1.0	81
33	Palladium(II) on Functionalized NiFe2O4: An Efficient and Recyclable Phosphine-Free Heterogeneous Catalyst for Suzuki Coupling Reaction. Catalysis Letters, 2015, 145, 723-730.	1.4	25
34	Magnetic properties of tin ferrites nanostructures doped with transition metal. Journal of Alloys and Compounds, 2015, 622, 761-764.	2.8	52
35	Structural characterization and magnetic study of NiFexO4 synthesized by co-precipitation method. Materials Letters, 2015, 139, 368-372.	1.3	23
36	Analyses of factors affecting nickel ferrite nanoparticles synthesis in ultrasound-assisted aqueous solution ball milling. Ultrasonics Sonochemistry, 2015, 22, 188-197.	3.8	15

#	ARTICLE	IF	Citations
37	COMPACT PATCH ANTENNA ON STRUCTURALLY MODIFIED MAGNETODIELECTRIC SUBSTRATE. Progress in Electromagnetics Research C, 2016, 64, 11-20.	0.6	2
38	Structural, Electrical, Dielectric, and Magnetic Properties of Cd ²⁺ Substituted Nickel Ferrite Nanoparticles. Journal of Nanoparticles, 2016, 2016, 1-8.	1.4	27
39	Effect of bismuth doping on the structural and magnetic properties of zinc-ferrite nanoparticles prepared by a microwave combustion method. Journal of Magnetism and Magnetic Materials, 2016, 419, 572-579.	1.0	36
40	Magnetic studies of nickel ferrite nanoparticles prepared by sol-gel technique. , 2016, , .		1
41	Synthesis of nano-crystalline NiFe2O4 powders in subcritical and supercritical ethanol. Journal of Supercritical Fluids, 2016, 113, 96-105.	1.6	11
42	Structural, electrical and magnetic properties of dilutely Y doped NiFe2O4 nanoparticles. Journal of Alloys and Compounds, 2016, 685, 492-497.	2.8	23
43	Magnetic nickel ferrite nanoparticles for removal of dipyrone from aqueous solutions. Journal of Environmental Chemical Engineering, 2016, 4, 3882-3890.	3.3	32
44	Synthesis and characterisation of Co2+-incorporated ZnO nanoparticles prepared through a sol-gel method. Advanced Powder Technology, 2016, 27, 2439-2447.	2.0	18
45	Paclitaxel loaded magnetic nanocomposites with folate modified chitosan/carboxymethyl surface; a vehicle for imaging and targeted drug delivery. International Journal of Pharmaceutics, 2016, 513, 554-563.	2.6	35
46	Porous graphene oxide based inverse spinel nickel ferrite nanocomposites for the enhanced adsorption removal of arsenic. RSC Advances, 2016, 6, 73776-73789.	1.7	57
47	Biopolymers coated superparamagnetic Nickel Ferrites: Enhanced biocompatibility and MR imaging probe for breast cancer. Journal of Magnetism and Magnetic Materials, 2016, 417, 284-290.	1.0	9
48	Preparation and characterization of nickel ferrite nano particles by co-precipitation method with citrate as chelating agent. Journal of Materials Science: Materials in Electronics, 2016, 27, 2601-2607.	1.1	16
49	Effect of Mn/Co substitutions on the resistivity and dielectric properties of nickel–zinc ferrites. Ceramics International, 2016, 42, 9591-9598.	2.3	28
50	Effect of polyacrylic acid addition on structure, magnetic and adsorption properties of manganese ferrite nanoparticles. Powder Technology, 2016, 295, 59-68.	2.1	37
51	Role of pH value during chemical reaction, and site occupancy of Ni2+ and Fe3+ ions in spinel structure for tuning room temperature magnetic properties in Ni1.5Fe1.5O4 ferrite. Journal of Magnetism and Magnetic Materials, 2016, 406, 60-71.	1.0	22
52	Studies on removal of Pb(II) and Cr(III) using graphene oxide based inverse spinel nickel ferrite nano-composite as sorbent. Hydrometallurgy, 2016, 165, 64-72.	1.8	149
53	Electrical conductivity and magnetic field dependent current-voltage characteristics of nanocrystalline nickel ferrite. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 88, 218-227.	1.3	20
54	Cation distribution and magnetic analysis of wideband microwave absorptive Co x Ni 1â°'x Fe 2 O 4 ferrites. Ceramics International, 2017, 43, 6987-6995.	2.3	104

#	Article	IF	Citations
55	Magneto-viscosity of hydrothermal synthesized Cu-Zn ferrite ferrofluids. AIP Advances, 2017, 7, .	0.6	3
56	Tailoring the photo-Fenton activity of nickel ferrite nanoparticles synthesized by low-temperature coprecipitation technique. Optik, 2017, 137, 244-253.	1.4	25
57	Size and Shape Control Synthesis of Iron Oxide–Based Nanoparticles: Current Status and Future Possibility. , 2017, , 39-81.		3
58	Nanoporous Surface Modifications through Dealloying of Al–Ti Alloy. Advanced Engineering Materials, 2017, 19, 1600866.	1.6	5
59	Interaction of fatty acid chain length with NiFe2O4 nanoparticles. Surfaces and Interfaces, 2017, 8, 45-53.	1.5	2
60	Structural and electromagnetic characterization of Co-Mn doped Ni-Sn ferrites fabricated via micro-emulsion route. Journal of Magnetism and Magnetic Materials, 2017, 441, 578-584.	1.0	13
61	Influence of NiO concentration on structural, dielectric and magnetic properties of core/shell CuFe 2 O 4 /NiO nanocomposites. Materials Chemistry and Physics, 2017, 195, 283-294.	2.0	20
62	Enhancement in dielectric and magnetic properties of Mg2+ substituted highly porous super paramagnetic nickel ferrite nanoparticles with Williamson-Hall plots mechanistic view. Ceramics International, 2017, 43, 15447-15453.	2.3	58
63	Synthesis, characterization and electrical properties of Li2NiFe2O4/NiFe2O4 nanocomposites. Journal of Materials Science: Materials in Electronics, 2017, 28, 18610-18619.	1.1	9
64	Wet Chemical Co-precipitation Synthesis of Nickel Ferrite Nanoparticles and Their Characterization. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1430-1438.	1.9	25
65	Crystal Morphology Control of Synthetic Giniite by Alkaline Cations and pH Variations. Crystal Growth and Design, 2017, 17, 4710-4714.	1.4	11
66	The Phase Transformation and Crystal Structure Studies of Strontium Substituted Barium Monoferrite. IOP Conference Series: Earth and Environmental Science, 2017, 58, 012070.	0.2	6
67	A Facile Method to Synthesize Nickel Ferrite Nanoparticles: Parameter Effect. Journal of Superconductivity and Novel Magnetism, 2017, 30, 2359-2369.	0.8	13
68	Biogenic reductive preparation of magnetic inverse spinel iron oxide nanoparticles for the adsorption removal of heavy metals. Chemical Engineering Journal, 2017, 307, 74-84.	6.6	226
69	Novelty characterization and enhancement of magnetic properties of Co and Cu nanoferrites. Journal of Materials Science: Materials in Electronics, 2017, 28, 241-249.	1.1	39
70	Synthesis and characterization of nickel cobalt ferrite (Ni1â^'xCoxFe2O4) nano particles by co-precipitation method with citrate as chelating agent. Journal of Materials Science: Materials in Electronics, 2017, 28, 1985-1996.	1.1	20
71	Comparative Studies of Microwave and Sol–Gel-Assisted Combustion Methods of NiFe2O4 Nanostructures: Synthesis, Structural, Morphological, Opto-magnetic, and Antimicrobial Activity. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1213-1220.	0.8	8
72	Cation distribution of Ni-Zn-Mn ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 456, 444-450.	1.0	40

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73	Investigation on zinc substituted highly porous improved catalytic activity of NiFe2O4 nanocrystal by co-precipitation method. Materials Research Bulletin, 2018, 101, 190-198.	2.7	17
74	Synthesis of NiFe ₂ O ₄ nanoparticles for energy and environment applications. Materials Research Express, 2018, 5, 025023.	0.8	14
75	Green Synthesis of NiFe2O4 Spinel-Structured Nanoparticles Using Hydrangea paniculata Flower Extract with Excellent Magnetic Property. Jom, 2018, 70, 1337-1343.	0.9	22
76	Magnetic and dielectric properties of nickel-ferrite-embedded natural rubber composites. Polymer Bulletin, 2018, 75, 5217-5234.	1.7	10
77	Synthesis and Design of Magnetic Parameters by Ti doping in Cobalt Ferrite Nanoparticles for Nanoelectronics Applications. Procedia Manufacturing, 2018, 20, 147-153.	1.9	11
78	Synthesis of surfactant-coated cobalt ferrite nanoparticles for adsorptive removal of acid blue 45 dye. Materials Research Express, 2018, 5, 035058.	0.8	9
79	Evaluation of corrosion resistance of nano nickel ferrite and magnetite double layer coatings on carbon steel. Thin Solid Films, 2018, 645, 77-86.	0.8	9
80	Nanostructured soft magnetic materials synthesized via mechanical alloying: a review. Journal of Materials Science: Materials in Electronics, 2018, 29, 1690-1717.	1.1	41
81	Highâ€performance conducting polybenzimidazoles nanohybrids. Polymer Composites, 2018, 39, 4372-4385.	2.3	2
82	Selective manipulation of superparamagnetic nanoparticles for product purification and microfluidic diagnostics. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 126, 67-74.	2.0	5
83	The synthesis of a monodisperse quaternary ferrite (FeCoCrO ₄) from the hot injection thermolysis of the single source precursor [CrCoFeO(O ₂ C ^t Bu) ₆ (HO ₂ C ^t Bu) ₃] Dalton Transactions, 2018, 47, 376-381.	. 1.6	10
84	57Fe internal field nuclear magnetic resonance and Mössbauer spectroscopy study of Li-Zn ferrites. Journal of Magnetic Resonance, 2018, 286, 68-77.	1.2	25
85	Synthesis, characterisation and potential biomedical applications of magnetic core–shell structures: carbonâ€, dextranâ€, SiO ₂ ―and ZnOâ€coated Fe ₃ O ₄ nanoparticles. Il Nanobiotechnology, 2018, 12, 78-86.	E T .9	8
86	Polymer–spinel ferrite composite containing nickel, magnesium, and nickel–magnesium ions: Structural, magnetic, electrical, and thermal stability properties. Advances in Polymer Technology, 2018, 37, 3711-3722.	0.8	7
87	Effect of aluminium doping on structural, optical, photocatalytic and antibacterial activity on nickel ferrite nanoparticles by sol–gel auto-combustion method. Journal of Materials Science: Materials in Electronics, 2018, 29, 20395-20414.	1.1	89
88	Study of the Electromagnetic Properties of Nano (MxZn1â^'x)Fe2O4 (M=Cu, Ni) as a Function of the Sintering Temperature. Applied Sciences (Switzerland), 2018, 8, 605.	1.3	2
89	Effects of surfactant on the structural and magnetic properties of hydrothermally synthesized NiFe2O4 nanoparticles. Materials Chemistry and Physics, 2018, 218, 70-76.	2.0	50
90	Synthesis, characterization and antistructure modeling of Ni nano ferrite. AIP Conference Proceedings, 2018, , .	0.3	29

#	Article	IF	Citations
91	Construction of core@shell nanostructured NiFe2O4@TiO2 ferrite NAND logic gate using fluorescence quenching mechanism for TiO2 sensing. Journal of Alloys and Compounds, 2018, 765, 527-537.	2.8	32
92	One pot synthesis of nickel ferrite-graphitic layers nanocomposite with inverted magnetic hysteresis. Journal of Magnetism and Magnetic Materials, 2019, 489, 165401.	1.0	4
93	Influence of Particle Size on the Electrical Properties and Magnetic Field Dependent I–V Characteristics of Nanocrystalline ZnFe ₂ O ₄ . Transactions of the Indian Ceramic Society, 2019, 78, 111-120.	0.4	5
94	Synthesis and characterization of magnetic zinc-copper ferrites: Antibacterial activity, photodegradation study and heavy metals removal evaluation. Materials Chemistry and Physics, 2019, 236, 121808.	2.0	26
95	Understanding how yttrium doping influences the properties of nickel ferrite – Combined experimental and computational study. Ceramics International, 2019, 45, 20290-20296.	2.3	12
96	Corroboration and efficacy of Magneto-Fluorescent (NiZnFe/CdS) Nanostructures Prepared using Differently Processed Core. Scientific Reports, 2019, 9, 15138.	1.6	10
97	Negative Surface Energies of Nickel Ferrite Nanoparticles under Hydrothermal Conditions. Journal of Nanomaterials, 2019, 2019, 1-6.	1.5	4
98	Green Synthesis of Nickel–Copper Mixed Ferrite Nanoparticles: Structural, Optical, Magnetic, Electrochemical and Antibacterial Studies. Journal of Electronic Materials, 2019, 48, 7710-7720.	1.0	26
99	Investigation of sintering methodologies and its influence on magnetic and electric properties of NiFe ₂ O ₄ : a comparative study. Materials Research Express, 2019, 6, 086112.	0.8	16
100	Fluoride ion assisted growth of hierarchical flowerlike nanostructures of Co/Ni ferrites and their magnetoresistive response. RSC Advances, 2019, 9, 17581-17590.	1.7	6
101	Microwave assisted green synthesis Ce0.2Ni0.8Fe2O4 nanoflakes using calotropis gigantean plant extract and its photocatalytic activity. Ceramics International, 2019, 45, 18091-18098.	2.3	18
102	Effect of La3+ substitution on structural and magnetic parameters of Ni–Cu–Zn nano-ferrites. Journal of Nanostructure in Chemistry, 2019, 9, 119-128.	5. 3	36
103	The effect of Ni/Fe ratio on the physical properties of NiFe ₂ O ₄ nanocomposites. Materials Research Express, 2019, 6, 086107.	0.8	9
104	An approach to nickel ferrite synthesis. Journal of Materials Science: Materials in Electronics, 2019, 30, 8286-8290.	1.1	2
105	Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Functionalization for Biomedical Applications in the Central Nervous System. Materials, 2019, 12, 465.	1.3	171
106	Hydrothermal Synthesis of Zinc Doped Nickel Ferrites: Evaluation of Structural, Magnetic and Dielectric Properties. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1411-1430.	1.4	44
107	Green one-pot synthesis of 2H-indazolo[2,1-b]phthalazine-triones: a comparative study of heterogeneous solid acid catalysts with magnetic core. Journal of the Iranian Chemical Society, 2019, 16, 1255-1263.	1.2	10
108	Effect of matrix type on the mechanical and magnetic properties of ferrite based natural and nitrile rubber nanocomposites. IOP Conference Series: Materials Science and Engineering, 2019, 577, 012097.	0.3	0

#	Article	IF	CITATIONS
109	The effects of lithium and yttrium substitution on the optical and structural properties of cobalt ferrites. Indian Journal of Physics, 2019, 93, 307-313.	0.9	4
110	Effect of bimetallic (Ca, Mg) substitution on magneto-optical properties of NiFe2O4 nanoparticles. Ceramics International, 2019, 45, 6021-6029.	2.3	88
111	Organoacidâ€Decorated NiFe ₂ O ₄ Nanoparticles: An Efficient Catalyst for Green Synthesis of 2 <i>H</i> êndazolo[2, 1â€b]phthalazineâ€Triones and Pyrimido[1,2â€a]benzimidazoles. ChemistrySelect, 2019, 4, 17-23.	0.7	10
112	A comprehensive review of applications of magnetic graphene oxide based nanocomposites for sustainable water purification. Journal of Environmental Management, 2019, 231, 622-634.	3.8	253
113	Preparation of amino silane magnetic nanocomposite by the sol–gel process and investigation of its antibacterial activity. Micro and Nano Letters, 2019, 14, 196-201.	0.6	3
114	Controlled synthesis and enhanced toluene-sensing properties of mesoporous NixCo1-xFe2O4 nanostructured microspheres with tunable composite. Sensors and Actuators B: Chemical, 2019, 280, 227-234.	4.0	29
115	The mechanism of nickel ferrite formation by glow discharge effect. Applied Nanoscience (Switzerland), 2019, 9, 845-852.	1.6	5
116	An investigation of the ethylene glycol surfactant on the structural, microstructure, magnetic and optical properties of SrFe2O4 nanoparticles. Journal of Magnetism and Magnetic Materials, 2020, 495, 165866.	1.0	10
117	Comparison of different uncoated and starch-coated superparamagnetic iron oxide nanoparticles: Implications for stem cell tracking. International Journal of Biological Macromolecules, 2020, 143, 763-774.	3.6	45
118	One-pot synthesis of hierarchical magnetic porous \hat{I}^3 -Fe2O3@NiFe2O4 composite with solid-phase morphology changes promoted by adsorption of anionic azo-dye. Materials Research Bulletin, 2020, 122, 110664.	2.7	17
119	Bimetallic nickel-ferrite nanorod particles: greener synthesis using rosemary and its biomedical efficiency. Artificial Cells, Nanomedicine and Biotechnology, 2020, 48, 242-251.	1.9	49
120	Magnetic Properties of NiFe2O4 Compound: Ab Initio Calculation and Monte Carlo Simulation. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1369-1375.	0.8	14
121	Green synthesis of 1 H â€pyrazolo[1,2―b]phthalazineâ€2â€carbonitrile derivatives using a new bifunctional base–ionic liquid hybrid magnetic nanocatalyst. Applied Organometallic Chemistry, 2020, 34, e5386.	1.7	21
122	Recovery and application of magnetic nanosized sorbents from waste lithium-ion batteries. Ceramics International, 2020, 46, 7559-7567.	2.3	3
123	NiFe ₂ O ₄ nanoparticles: an efficient and reusable catalyst for the selective oxidation of benzyl alcohol to benzaldehyde under mild conditions. Nanoscale Advances, 2020, 2, 5790-5802.	2.2	47
124	Carbon dioxide conversion into the reaction intermediate sodium formate for the synthesis of formic acid. Research on Chemical Intermediates, 2020, 46, 5165-5180.	1.3	20
125	Facile Synthesis and Characterization of Nanospinel Ferrites: Structural, Magnetic, and Optical Studies. Russian Journal of Inorganic Chemistry, 2020, 65, 1093-1101.	0.3	11
126	NiFe 2 O 4 @SiO 2 @Cu 3 (BTC) 2 nanocomposite as a magnetic metal–organic framework. Applied Organometallic Chemistry, 2020, 34, e5994.	1.7	6

#	Article	IF	Citations
127	Structural, Spectroscopic, Dielectric, and Magnetic Properties of Cu-Co–Co-substituted Manganese Soft Ferrites. Journal of Superconductivity and Novel Magnetism, 2020, 33, 3171-3177.	0.8	6
128	Assessing short-term effects of magnetite ferrite nanoparticles on Daphnia magna. Environmental Science and Pollution Research, 2020, 27, 31489-31504.	2.7	5
129	Synthesis Techniques of Nickel Substituted Cobalt Ferrites – An Investigative Study Using Structural Data. Materials Today: Proceedings, 2020, 23, 373-381.	0.9	9
130	Reversible thermo-driven solid-state morphological transformation of nanotextured spinel material. Journal of Solid State Chemistry, 2020, 289, 121521.	1.4	4
131	Synthesis & Description of doped nickel ferrite filled natural rubber nano composites. IOP Conference Series: Materials Science and Engineering, 2020, 872, 012179.	0.3	5
132	Characteristics of co-precipitation synthesized cobalt nanoferrites and their potential in industrial wastewater treatment. SN Applied Sciences, 2020, 2, 1.	1.5	14
133	Novel magnetic nanocomposite of calcium alginate carrying poly(pyrimidine-thiophene-amide) as a novel green synthesized polyamide for adsorption study of neodymium, terbium, and dysprosium rare-earth ions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125252.	2.3	28
134	Structural, electrical and magnetic properties of Ni0.5Cu0.2Cd0.3LaxFe2-xO4 nano-ferrites due to lanthanum doping in the place of trivalent iron. Physica B: Condensed Matter, 2020, 585, 412116.	1.3	23
135	Magnetic phase diagram and dielectric properties of Mn doped CoCr2O4 nanoparticles. Journal of Alloys and Compounds, 2020, 832, 155031.	2.8	8
136	Optical Emission Spectroscopy of Nickel-Substituted Cobaltâ€"Zinc Ferrite. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1849-1854.	0.8	3
137	Graphene@Ni0.5Co0.5Fe2O4 hybrid framework with enhanced interfacial polarization for electromagnetic wave absorption. Journal of Alloys and Compounds, 2021, 854, 157259.	2.8	25
138	Crystal morphology control of synthetic giniite for enhanced photo-Fenton activity against the emerging pollutant metronidazole. Chemosphere, 2021, 262, 128300.	4.2	25
139	Ferrite Nanocomposite Based Electrochemical Sensor: Characterization, Voltammetric and Amperometric Studies for Electrocatalytic Detection of Formaldehyde in Aqueous Media. Electroanalysis, 2021, 33, 233-248.	1.5	20
140	Fabrication and Response Surface Methodology for the Adsorption of Nickel Ferrite-Graphene Oxide Nanocomposite for the Removal of Methylene Blue from Water. Journal of Nanomaterials, 2021, 2021, 1-16.	1.5	14
141	Adsorbent. Interface Science and Technology, 2021, 33, 71-210.	1.6	24
142	Preparation and characterization of magnetic featured supported heterogeneous catalysts. Deu Muhendislik Fakultesi Fen Ve Muhendislik, 2021, 23, 137-146.	0.1	0
143	Composites leading to a clean and green future. , 2021, , 253-285.		2
144	Bifunctional nanoparticulated nickel ferrite thin films: Resistive memory and aqueous battery applications. Materials and Design, 2021, 201, 109493.	3.3	16

#	Article	IF	Citations
145	Preparation of Graphene Oxide/Fe ₃ O ₄ Nanocomposite as a Potential Magnetic Nanocarrier and MRI Contrast Agent. ChemistrySelect, 2021, 6, 2862-2868.	0.7	19
146	Nanocomposites of ZnO mixed with different Ni-ferrite contents: Structural and magnetic properties. Physica B: Condensed Matter, 2021, 607, 412861.	1.3	5
147	Development of magnetic, ferrite supported palladium catalysts for 2,4-dinitrotoluene hydrogenation. Materials Today Chemistry, 2021, 20, 100470.	1.7	9
148	Synthesis, characterization and investigation of chitosan-functionalized ZnFe2O4 for the removal of dichlorvos from aqueous solution. Journal of Dispersion Science and Technology, 0, , 1-10.	1.3	4
149	Design and operation of magnetophoretic systems at microscale: Device and particle approaches. Electrophoresis, 2021, 42, 2303-2328.	1.3	10
150	Tuning structural, magnetic, electrical, and dielectric properties of MgFe2O4 synthesized by sol-gel followed by heat treatment. Journal of Physics and Chemistry of Solids, 2021, 154, 110051.	1.9	31
151	Decoration of serpentine with iron ore as an efficient low-cost magnetic adsorbent for Cr (VI) removal from tannery wastewater. Powder Technology, 2021, 388, 51-62.	2.1	21
152	Synthesis of Nickel Spinel Ferrites Nanoparticles Coated with Thermally Reduced Graphene Oxide for EMI Shielding in the Microwave, UV, and NIR Regions. Polymers, 2021, 13, 3316.	2.0	10
153	Magnetic and optical properties of green synthesized nickel ferrite nanoparticles and its application into photocatalysis. Nanotechnology, 2021, 32, 505725.	1.3	9
154	Implementation of mature tea leaves extract in bioinspired synthesis of iron oxide nanoparticles: preparation, process optimization, characterization, and assessment of therapeutic potential. Chemical Papers, 2022, 76, 491-514.	1.0	18
155	Recent advances on nickel nano-ferrite: A review on processing techniques, properties and diverse applications. Chemical Engineering Research and Design, 2021, 175, 182-208.	2.7	57
156	Fe-, Ni-containing ceramic-like PEO coatings on titanium and aluminum: Comparative analysis of the formation features, composition and ferromagnetic properties. Materials Chemistry and Physics, 2022, 275, 125231.	2.0	5
157	Magnetic nanoparticle-polymer hybrid materials., 2021,, 139-182.		1
158	Recent progress of magnetic nanoparticles in biomedical applications: A review. Nano Select, 2021, 2, 1146-1186.	1.9	137
159	Glycine assisted sol-gel synthesis and structural analysis of CoFe2O4 nanoparticles. AIP Conference Proceedings, 2021, , .	0.3	0
160	Microwave Assisted-Hydrothermal Synthesis of Nickel Ferrite Nanoparticles. Oriental Journal of Chemistry, 2018, 34, 2577-2582.	0.1	2
161	Characterization of cadmium substituted nickel ferrites prepared using auto-combustion technique. Processing and Application of Ceramics, 2015, 9, 193-197.	0.4	23
162	A comprehensive study on structure, properties, synthesis and characterization of ferrites. AIMS Materials Science, 2020, 7, 800-835.	0.7	52

#	Article	IF	CITATIONS
163	Solvothermal synthesis of magnetic spinel ferrites. Journal of Medical Signals and Sensors, 2018, 8, 108.	0.5	3
164	Transport Properties of Ce-Doped Cd Ferrites CdFe2â^xCexO4. Journal of Superconductivity and Novel Magnetism, 2021, 34, 2945-2955.	0.8	18
165	Studies on superparamagnetic behaviour of Ni100-xCux alloy films deposited by DC magnetron sputtering. Materials Research Innovations, 0 , 1 -6.	1.0	0
166	NANO-MAGNETODIELECTRIC COMPOSITE BASED SUBSTRATE FOR USE IN MICROWAVE PLANAR DEVICES IN X-BAND. International Journal of Research in Engineering and Technology, 2017, 06, 42-46.	0.1	0
167	Effect of NaOH Concentration and Adding Sequences on Structural and Magnetic Properties of NiO.4CoO.6Fe2O4 Nanopowders Prepared Via Co-precipitation Route. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2079-2088.	0.8	0
168	Synthesis and Transport Properties of Cobalt Ferrite: A Systematic Overview. Micro and Nanosystems, 2020, 12, .	0.3	5
169	Solvothermal Synthesis of Magnetic Spinel Ferrites. Journal of Medical Signals and Sensors, 2018, 8, 108-118.	0.5	3
170	Effect of zinc substitution in magnetite structure on heat efficiency for hyperthermia: Investigation in superparamagnetic properties. AIP Conference Proceedings, 2022, , .	0.3	0
171	Magnetic, structural, optical band alignment and conductive analysis of graphene-based REs (Yb, Gd,) Tj ETQq0 0 2022, 284, 116994.	0 rgBT /Ον 2.1	verlock 10 Tf 16
172	Structural and magnetic studies of NiFe2O4 and NiFe2O4@SiO2-Silane agent samples useful for the removal of Cu2+ ions. Journal of Alloys and Compounds, 2022, 899, 163403.	2.8	8
173	Mo ₂ C@C nanofibers film as durable self-supported electrode for efficient electrocatalytic hydrogen evolution. Nanotechnology, 2022, 33, 215404.	1.3	4
174	Intelligent control of nanoparticle synthesis through machine learning. Nanoscale, 2022, 14, 6688-6708.	2.8	23
175	Investigations on the Magnetocaloric Effect and Critical Behavior of Coga1.2fe0.8o4 Spinel Ferrite. SSRN Electronic Journal, 0, , .	0.4	0
176	Ag-doped nickel ferrites and their composite with rGO: Synthesis, characterization, and solar light induced degradation of coloured and colourless effluents. Ceramics International, 2022, 48, 15629-15639.	2.3	38
177	Mn–Zn Ferrite Nanoparticles by Calcining Amorphous Products of Solution Combustion Synthesis: Preparation and Magnetic Behavior. International Journal of Self-Propagating High-Temperature Synthesis, 2022, 31, 17-23.	0.2	0
178	Synthesis, Characterizations and Magnetic Properties of Ce-Al Co-Doped Nickel Ferrite Nanoparticles. Advanced Materials Research, 0, 1169, 79-85.	0.3	0
179	Structural, optical, and magnetic properties of Ni1 â~' xZrxFe2O4 nanostructures prepared by sol–gel synthesis. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	6
180	Structural and magnetic properties of Ce3+doped Mg-Co ferrite prepared by sol–gel method. Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	2

#	Article	IF	CITATIONS
181	A critical review on graphene oxide nanostructured material: Properties, Synthesis, characterization and application in water and wastewater treatment. Environmental Nanotechnology, Monitoring and Management, 2022, 18, 100673.	1.7	14
182	Removal of Organic Dyes from Water and Wastewater Using Magnetic Ferrite-Based Titanium Oxide and Zinc Oxide Nanocomposites: A Review. Catalysts, 2021, 11, 1543.	1.6	25
183	Comprehension of the Route for the Synthesis of Co/Fe LDHs via the Method of Coprecipitation with Varying pH. Nanomaterials, 2022, 12, 1570.	1.9	4
184	Effect of aluminum substitution on structural and magnetic properties of nickel ferrites: Raman and 57Fe IFNMR studies. Ceramics International, 2022, 48, 23946-23954.	2.3	1
185	Sonochemical Combined Synthesis of Nickel Ferrite and Cobalt Ferrite Magnetic Nanoparticles and Their Application in Glycan Analysis. International Journal of Molecular Sciences, 2022, 23, 5081.	1.8	12
186	Investigations on the Magnetocaloric Effect and Critical Behavior of Coga1.2fe0.8o4 Spinel Ferrite. SSRN Electronic Journal, 0, , .	0.4	0
188	Nanomaterials, their Types and Properties. , 2022, , 19-44.		15
189	Improved Catalytic Performance of Aspergillus flavus Laccase Immobilized on the Zinc Ferrite Nanoparticles. Catalysis Letters, 2023, 153, 1240-1249.	1.4	2
190	Synthesis and characterization of iron oxide nanoparticles (Fe ₂ O ₃ ,) Tj ETQq0 0 0 rgBT	Overlock	10 Tf 50 422
191	Spinel-Oxide-Based Laccase Mimics for the Identification and Differentiation of Phenolic Pollutants. Analytical Chemistry, 2022, 94, 10198-10205.	3.2	28
192	Investigations on the magnetocaloric effect and critical behavior of CoGa1.2Fe0.8O4 spinel ferrite. Journal of Solid State Chemistry, 2022, 314, 123369.	1.4	3
193	Electronic modulation of InNi3C0.5/Fe3O4 by support precursor toward efficient CO2 hydrogenation to methanol. Applied Catalysis B: Environmental, 2022, 316, 121699.	10.8	22
194	Environment friendly synthesis of nickel ferrite nanoparticles using Brassica oleracea var. capitate (green cabbage) as a fuel and their structural and magnetic characterizations. Materials Chemistry and Physics, 2022, 290, 126483.	2.0	12
195	Magnetic nanoparticles embedded in microlasers for controlled transport in different sensing media. Journal Physics D: Applied Physics, 2022, 55, 405106.	1.3	0
196	Influential trivalent ion (Cr3+) substitution in mixed Ni–Zn nanoferrites: Cation distribution, magnetic, Mossbauer, electric, and dielectric studies. Ceramics International, 2022, 48, 34075-34083.	2.3	9
197	Structural, Spectroscopy and Magnetic Properties of Copper Doped Nickel Ferrite by the Co-precipitation Method. Chemistry Africa, 2022, 5, 1387-1396.	1.2	2
198	Magnetic-Based Biocomposites in Dye Adsorption. Sustainable Textiles, 2022, , 19-39.	0.4	0
199	Effect of Surfactants on the Structural and Magnetic Properties of NiFe2O4 Nanoparticles. Asian Journal of Chemistry, 2022, 34, 2406-2414.	0.1	0

#	Article	IF	CITATIONS
200	Hydrogel Nanocomposite-Derived Nickel Nanoparticles/Porous Carbon Frameworks as Non-Precious and Effective Electrocatalysts for Methanol Oxidation. Gels, 2022, 8, 542.	2.1	6
201	Magnetic properties of synthesized cobalt–nickel ferrites (CoxNi1-xFe2O4) by hydrothermal method using malonic acid as a chelating agent. Applied Physics A: Materials Science and Processing, 2023, 129, .	1.1	1
202	Al-substituted Mg nanoferrite structural, optical and electromagnetic behaviour prepared via citrate gel auto-combustion method. Chemical Papers, 2023, 77, 2839-2858.	1.0	2
203	Blowingâ€Combustion Synthesis of Spongeâ€like Ni _x Zn _{1â^'x} Fe ₂ O ₄ and Its Structural and Magnetic Properties. ChemistrySelect, 2023, 8, .	0.7	1
204	Immobilization of lipase on the graphene oxides magnetized with NiFe2O4 nanoparticles for biodiesel production from microalgae lipids. Process Biochemistry, 2023, 126, 171-185.	1.8	21
205	Physical, spectroscopic and antibacterial investigation of Mg0.3Zn0.5Mn0.2Fe2O4 via temperature dependent hydrothermal approach. Journal of Magnetism and Magnetic Materials, 2023, 567, 170346.	1.0	3
206	Novel Solid-State Approach to Nickel Ferrite Electrocatalyst for the Detection of Gallic Acid. Russian Journal of Inorganic Chemistry, 2022, 67, S13-S21.	0.3	2
207	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
208	Heteropoly acid-based ionic liquid grafted on hybrid nanomaterial for deep oxidative desulfurization of diesel fuel. Research on Chemical Intermediates, 2023, 49, 1563-1579.	1.3	4
209	NiFe2O4 and ZnFe2O4 nanoparticles synthesis by sol-gel auto-combustion for humidity sensor applications. Journal of Sol-Gel Science and Technology, 2023, 105, 416-429.	1.1	3
210	The influence of PH value on the characteristics of Co1-xNixFe2O4 nano crystalline synthesized by sol-gel. AIP Conference Proceedings, 2023, , .	0.3	0
211	Tuning structural, electrical, dielectric and magnetic properties of Mg–Cu–Co ferrites via dysprosium (Dy3+) doping. Journal of Rare Earths, 2024, 42, 137-146.	2.5	6
212	Theranostic magnetic nanoparticles: Synthesis, properties, toxicity, and emerging trends for biomedical applications. Journal of Drug Delivery Science and Technology, 2023, 81, 104295.	1.4	10
213	Magnetoresistive Properties of Nanocomposites Based on Ferrite Nanoparticles and Polythiophene. Nanomaterials, 2023, 13, 879.	1.9	4
214	Investigation of Microstructure and Physical Properties of Nickel Ferrites, Synthesized via Sol-Gel Method. Solid State Phenomena, 0, 341, 57-64.	0.3	0
215	A review on magnetic polymeric nanocomposite materials: Emerging applications in biomedical field. Inorganic and Nano-Metal Chemistry, 0, , 1-25.	0.9	2
216	Nano-Structured Spinel Ferrites and Their Applications as Antimicrobial Agents, Gas Sensors, and Dye Adsorbents. Advances in Chemical and Materials Engineering Book Series, 2023, , 48-87.	0.2	0
217	Preparation and characterization of soft and ultra-stretchable multifunctional thermoplastic elastomeric materials. Journal of Materials Science, 2023, 58, 6375-6390.	1.7	2

Article IF Citations

222 Antimicrobial and antibacterial applications of ferrites and their polymer composites., 2023,, 207-235.