

CITATION REPORT

List of articles citing

Infrared Spectra of Ferrites

DOI: 10.1103/physrev.99.1727
Physical Review, 1955, 99, 1727-1735.

Source: <https://exaly.com/paper-pdf/6739721/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
1854	Infrared-Absorption Studies on Barium Titanate and Related Materials. <i>Physical Review</i> , 1957 , 105, 1740-1750		413
1853	Dielectric Spectroscopy of Ferromagnetic Semiconductors. 1957 , 29, 279-307		417
1852	Analytical applications of far infrared spectra. 1958 , 13, 1-30		24
1851	The Far Infrared Absorption of Ferrites. 1958 , 13, 1236-1237		25
1850	Domain Behavior in Some Transparent Magnetic Oxides. 1959 , 30, 217-225		125
1849	Absorption and Reflectivity Measurements on Some Rare Earth Iron Garnets and Fe_2O_3 . 1960 , 31, S39-S40		40
1848	Optical and Infrared Spectra of the Ferrites and Garnets. 1961 , 32, S205-S212		12
1847	Ferrimagnetism. 1961 , 24, 212-303		46
1846	Studies of the Optical and Infrared Absorption Spectra of Rutile Single Crystals. 1961 , 35, 940-945		46
1845	Ordnung/Unordnung und Ultrarotabsorption IV. Die Absorption einiger Metalloxyde mit Spinellstruktur. 1961 , 115, 331-358		195
1844	Zur Theorie der Elektronenleitung im stöchiometrischen Fe_3O_4 -Kristall (Magnetit) oberhalb des Übergangspunktes $T_c = 119,4^\circ\text{K}$. 1961 , 1, 619-635		48
1843	An examination of the infra-red spectra of borate anions. 1962 , 24, 1047-1056		27
1842	Infra-Red Spectrum of the Spinels Ni_2SiO_4 , Ni_2GeO_4 and their Solid Solutions. 1962 , 193, 971-972		24
1841	Etude infra-rouge des orthosilicates et des orthogermanates. 1963 , 19, 49-71		72
1840	Magnetic Annealing. 1963 , 205-242		21
1839	Etude par spectroscopie infra-rouge des solutions solides germanate de cobalt-ferrite de cobalt. 1964 , 20, 275-283		10
1838	Internal Magnetoelastic Coupling Constant of Nickel Ferrite. 1964 , 35, 1026-1027		3

1837	Far Infrared Absorption Spectra of Ferric Oxides and Oxyhydroxides. 1964 , 5, 132-132	1
1836	The Infrared Absorption Spectra of Several Chromites. 1964 , 5, 205-206	8
1835	Zur Analyse der Aktivierungsenergien der elektrischen Leitfähigkeit und der thermoelektrischen Kraft in Magnesiumeisen-Ferriten. 1965 , 9, 567-574	1
1834	Infrared Absorption of Some Tetragonal Spinel. 1965 , 20, 1962-1963	18
1833	Lattice Vibration and Cubic-to-Tetragonal Transformation in Spinel-Type Chromites. 1965 , 36, 1050-1051	18
1832	Ultrarotabsorption von $AlPO_4$ und SiO_2 in Abhängigkeit von Fehlordnung und Temperatur. 1966 , 123, 263-314	29
1831	Effect of the Crystal Deformation on the Lattice Vibration of Oxide Spinel. 1967 , 23, 948-954	32
1830	Interpretation of the vibrational spectra of spinels. 1967 , 23, 985-995	466
1829	Infrared Spectra and Cation Distributions of Manganese Ferrites. 1968 , 29, K73-K76	9
1828	The Effect of Hydrostatic Pressure on the Magnetic Anisotropy of Ferrous and Ferric Ions in Ferrites with Spinel Structure. 1968 , 25, 133-140	20
1827	Infrared Spectra of Cubic and Tetragonal Manganese Ferrites. 1969 , 33, 563-572	180
1826	Specific heat anomaly of ferrites at the curie temperature. 1969 , 20, 381-389	8
1825	The Hydrogen Reduction of Synthetic Nickelferrite. 1970 , 11, 335-345	2
1824	6.1.4.1 Mg ferrite $MgFe_2O_4$. 216-228	
1823	Proposal for the measurement of magnon-photon interactions in ferrites. 1970 , 31, 91-92	1
1822	Comparison of the Small-Polaron Theory with the Experimental Data of Current Transport in V_2O_5 . 1970 , 40, 389-395	80
1821	6.1.5.1 Zn, Zn-Fe, Zn-Ti, Zn-Li, Zn-Ti-Li, Zn-Cd, Zn-Mg, Zn-Co, and Zn-Cu ferrites. 315-320	
1820	Infrared Absorption Spectra of Ferrites. 1971 , 230, 158-158	18

1819	Optical Measurements on Magnetite Single Crystals. 1971 , 27, 596-599	31
1818	Far Infrared Absorption and Reflection on Some Semiconducting Spinel, CdCr ₂ Se ₄ and CdCr ₂ S ₄ . 1971 , 30, 1762-1762	13
1817	Correlation of Infra-Red Spectra with Structural Distortions in the Spinel Series Mg(CrxAl _{2x})O ₄ . 1971 , 43, 591-599	51
1816	Etude analytique des nickelates de sodium et de baryum. 1971 , 53, 169-179	2
1815	GitterschwingungsspektrenIV. Mitteilung. Die Absorptionsspektren von Chalkogenospinellen im langwelligen Infrarot. 1971 , 27, 357-365	72
1814	Infrared studies of spinelsI 1971 , 27, 961-968	89
1813	Infrared studies of spinelsII. 1971 , 27, 1817-1835	292
1812	Effect of high pressure on the lattice constants of chromites having the spinel structure. 1971 , 6, 97-101	12
1811	Self-diffusion in compounds with spinel structure. 1972 , 25, 67-76	22
1810	Light Scattering of Transition-Metal Ions. I. Phonons of Three Normal Spinel and Electronic Raman Scattering of Co ²⁺ in Co ₂ GeO ₄ . 1972 , 56, 354-357	26
1809	Optical and electrical characteristics of MgO.Al ₂ O ₃ spinel and silicon-on-spinel. 1972 , 15, 1209-1217	10
1808	On the cation distribution in Ni _{1-x} Fe _x Zn _y FeO ₄ spinel ferrites. 1972 , 12, 623-627	84
1807	Ionic ordering and infrared spectra of some II-IV spinels. 1972 , 12, 629-636	39
1806	On the temperature and frequency dependence of the magnetic permeability and losses of some high resistivity cobalt-substituted nickel-zinc ferrites. 1972 , 14, K81-K84	1
1805	Lattice dynamics at zero wave vector and elastic constants of spinel in the rigid ion approximation. 1972 , 33, 2229-2250	69
1804	Infrared studies of spinelsIV. 1972 , 28, 69-79	107
1803	Interpretation of the infrared spectrum of spinels. 1972 , 28, 2217-2225	23
1802	Elastic Constants for Zinc Ferrite from the Infrared Spectrum. 1973 , 58, K129-K132	9

1801	Photostimulated oxidation of magnetite: 1. Kinetics and alteration phase identification. 1973 , 78, 8481-8493	40
1800	Mössbauer effect studies of the thermal properties in Ni-ferrite. 1974 , 21, 317-321	15
1799	Inelastic neutron scattering study of acoustical magnons in MnFe ₂ O ₄ . 1974 , 15, 345-349	25
1798	Temperature-dependent light-scattering studies of the Verwey transition and electronic disorder in magnetite. 1974 , 9, 5236-5248	158
1797	Isothermal compression of magnetite to 320 KB. 1974 , 79, 1165-1170	120
1796	Gitterschwingungsspektren, XIII. Normalkoordinatenanalyse und Kraftkonstantenrechnungen von Chromthiospinellen. 1975 , 79, 604-610	14
1795	Optical properties of natural magnetite in the region from 2.5 to 50 μ m. 1975 , 15, 69-72	4
1794	Interpretation of the concentration dependent properties of garnets and spinels by the cluster components method. 1975 , 36, 641-653	26
1793	On the Nature of the Charge Carriers in Magnetite. 1975 , 70, 181-187	12
1792	The Characterization of Soil Minerals by Infrared Spectroscopy. 1975 , 573-670	18
1791	Magneto-optic insulators utilizing the optical activity of Co ⁺⁺ (Td). 1975 , 11, 1103-1108	47
1790	Infrared and Mössbauer spectroscopy, electron microscopy and chemical reactivity of ferric chloride hydrolysis products. 1975 , 37, 1139-1148	49
1789	Optical Measurements on Magnetite. 1977 , 39, 488-490	26
1788	Infrared investigation of aluminum- and chromium-substituted magnetites and of the lacunar spinels resulting from their oxidation. 1977 , 21, 375-385	43
1787	Vibrational spectra and force constants of rare earth and scandium thiospinels. 1978 , 25, 121-135	7
1786	Optical properties of magnetite (Fe ₃ O ₄). 1979 , 12, 1157-1164	176
1785	Correlation between ir spectra, X-ray diffraction, and distribution of structural vacancies in Fe ₃ +[Be _{1-2x} +Fe(1-x)+2x+Mx ³⁺] ₂ O ₄ type spinels. 1980 , 32, 303-310	29
1784	Vibrational study of and conduction mechanism in alumina. I. Stoichiometric alumina. 1980 , 72, 1213-1224	67

1783	Heat capacity measurements of MnxFe_3O_4 . 1981 , 36, 28-35	22
1782	A study of infrared absorption in the oxidation of zinc-substituted magnetites to defect phase \square and hematite. 1981 , 39, 329-336	30
1781	The far-infrared spectra of some mixed cobalt zinc and magnesium zinc ferrites. 1981 , 65, 479-483	88
1780	Electrical Conductivity Mechanism in Zinc and Copper Substituted Magnetite. 1981 , 103, 665-671	43
1779	The infrared spectra of solid solutions of some iron and chromium oxides. 1981 , 31, 86-95	6
1778	Exchange striction, the origin of polycrystalline magnetoelastic anisotropy. 1981 , 24, 6610-6619	16
1777	Chapter 4 Oxide spinels. 1982 , 3, 189-304	44
1776	Exchange striction and crystal lattice in domains and domain walls. 1982 , 53, 2425-2427	4
1775	Infrared and Raman Spectra and Lattice Vibrations of Some Oxide Spinel. 1982 , 51, 592-597	71
1774	Effect of Jahn-Teller distortion on the lattice vibration frequencies of nickel ferrite. 1982 , 53, 8148-8150	26
1773	Low temperature ferrite formation using metal oxalate hydrazinate precursor. 1982 , 17, 29-32	37
1772	Heat capacity of iron-chromium spinels, $\text{Fe}_3\text{Cr}_x\text{O}_4$. 1982 , 41, 213-220	7
1771	Mixed metal oxalate hydrazinates as compound precursors to spinel ferrites. 1983 , 9, 423-438	13
1770	Infrared studies on the behavior in oxygen of cobalt-substituted magnetites: Comparison with zinc-substituted magnetites. 1983 , 50, 138-145	55
1769	Electrical Conduction Mechanism in Al-, Cr-, and Zn-Substituted Magnetites over the Temperature Range 77 to 1000 K. 1983 , 77, 339-346	13
1768	Low temperature cobaltite formation using mixed metal oxalate hydrazinate precursor. 1983 , 2, 272-274	21
1767	Isotope and pressure effects on the Verwey temperature of magnetite. 1983 , 98, 192-194	3
1766	Evidence for $3d_{n+1} \rightarrow 3d_n$ transitions in magnetite and in lithium and magnesium ferrites. 1983 , 16, 6055-6072	62

1765	Infrared absorption in spinel ferrites. 1984 , 6, 1063-1067	52
1764	Phase analysis in the Fe ₂ O ₃ ?NiO mixed oxides prepared by co-precipitation. 1984 , 53, 227-235	3
1763	The IR Absorption Spectra of Cu _{1-x} CdxFe ₂ O ₄ . 1984 , 123, K1-K4	5
1762	Olmec magnetite mirror: optical, physical, and chemical characteristics. 1984 , 23, 4471	
1761	The Far Infrared Spectra of MgAl ₂ ?FexO ₄ Spinel. 1985 , 91, K19-K22	9
1760	Equivalence of ion-size effect and hydrostatic-pressure effect on exchange coupling in spinels and garnets. 1985 , 31, 2925-2928	3
1759	Defect agglomeration in w?stite at high temperatures. 1986 , 47, 775-781	29
1758	Dielectric spectrum of Mn-Zn ferrite single crystal. 1986 , 45, 1093-1097	1
1757	Spin-lattice relaxation of Fe ³⁺ ions in LiAl ₅ O ₈ . 1986 , 19, 7045-7070	9
1756	Magnetic lipase active in organic solvents. 1987 , 142, 291-6	55
1755	Magnetite: Phonon modes and the Verwey transition. 1987 , 35, 5421-5424	77
1754	Detailed Study of IR Absorption Spectra of Manganese?zinc Ferrites. 1987 , 141, 599-609	21
1753	The far-infrared spectra of mixed manganese?magnesium ferrites. 1987 , 100, 639-643	21
1752	Perturbation de l'echange electronique rapide par les lacunes cationiques dans Fe _{3-x} O ₄ (x ? 0,09). 1987 , 48, 217-228	32
1751	X-ray, electrical conductivity, magnetic and infrared studies of the system Co _{2-x} Ge _{1-x} Fe _{2x} O ₄ . 1987 , 28, 675-688	9
1750	Gamma-irradiation effects on the electrical conductivity of pure and Cu-doped Fe ₃ O ₄ spinel. 1987 , 118, 33-43	2
1749	Electrical conduction in ?irradiated and unirradiated zinc-iron ferrites. 1988 , 23, 3083-3087	6
1748	Characterization of diamagnetically substituted (Na ⁺ , Te ⁴⁺ , Cl ⁻)lithium ferrite. 1988 , 106, 217-225	1

1747	Electrical conduction in γ -irradiated and unirradiated zinc-iron ferrites. 1988 , 125, 379-386	9
1746	Size-induced structural phase transitions and hyperfine properties of microcrystalline Fe ₂ O ₃ . 1988 , 21, 2229-2245	204
1745	Structural, transport, magnetic and infrared studies of the oxidic spinels Co _{2-x} Ti _{1-x} Fe _{2x} O ₄ . 1988 , 21, 3191-3203	25
1744	Critical Slowing Down of the Spin Relaxation and Center Shift Anomaly in NiFe ₂ O ₄ Observed with Mössbauer Spectroscopy. 1988 , 27, 955-961	7
1743	Gamma-Irradiation Effect on the Catalytic Behavior of Binary Oxide Catalysts. 1988 , 61, 1331-1334	2
1742	Electrical conduction in γ -irradiated and unirradiated Fe ₃ O ₄ , CdFe ₂ O ₄ and Co _x Zn _{1-x} Fe ₂ O ₄ (0 \leq x \leq 1). 1989 , 144, 45-52	7
1741	X-ray, electrical conductivity and infrared studies of the system Zn _{1-x} Co _x Mn _{1-x} Fe _x CrO ₄ . 1989 , 24, 163-166	22
1740	Electrical conduction in γ -irradiated and unirradiated Fe ₃ O ₄ , CdFe ₂ O ₄ and Co _x Zn _{1-x} Fe ₂ O ₄ (0 \leq x \leq 1) ferrites. 1989 , 24, 2478-2482	12
1739	X-ray, electrical conductivity, and infrared studies of oxide spinels containing cobalt, titanium and manganese. 1989 , 24, 2615-2618	12
1738	IR reflection spectra of manganese-zinc ferrites. 1989 , 152, 657-666	9
1737	Structural and transport properties of the Zn _{1-x} Cu _x Al ₂ O ₄ and Ga _{1-x} Fe _x NiCoO ₄ systems. 1990 , 62, 103-113	3
1736	Thermal decomposition of bishydrazinocarboxylate iron(II) di-hydrazinate. 1990 , 36, 869-880	
1735	Structural, transport and infrared studies of oxidic spinels Zn _{1-x} Ni _x FeCrO ₄ . 1990 , 25, 407-410	7
1734	Normal coordinate analyses and lattice dynamical calculations of spinel-type ZnCr ₂ O ₄ . 1991 , 79, 447-452	50
1733	Structural, IR and magnetisation studies on La ³⁺ substituted copper ferrite. 1991 , 78, 39-42	60
1732	In-situ infrared spectroscopic study of the anodic oxide film on iron in alkaline solutions. 1991 , 318, 207-221	18
1731	Lattice vibration spectra. LIX. Single crystal infrared and Raman studies of spinel type oxides. 1991 , 90, 54-60	113
1730	Role of CdO/Cd ²⁺ content on the electrical conductivity and catalytic behaviour of Co _{1.0-x} Cd _x Fe _{2.0} oxide/spinel system (0.0 \leq x \leq 1.0). 1991 , 28, 413-429	22

1729	Transport, magnetic and spectroscopic studies of nickel-gallium ferrites. 1991 , 26, 4581-4587	2
1728	X-ray infrared and magnetization studies on Mn substituted Ni-Zn ferrites. 1991 , 10, 922-924	80
1727	The Effect of Titanium on Some Physical Properties of CuFe ₂ O ₄ . 1992 , 134, 263-271	92
1726	Investigation of structural transport and magnetic properties of the system Li _{0.25} Cu _{0.5} Fe _{2.25-x} Al _x O ₄ . 1992 , 27, 4120-4124	22
1725	Decomposition of 1-octanol on the spinel system Ga _{1-x} Fe _x CuMnO ₄ . 1993 , 79, 285-296	47
1724	Spectroscopic evidence of the Mn ³⁺ -Fe ²⁺ octahedral pair in lithium-manganese ferrites near the order-disorder transition. 1993 , 86, 67-71	21
1723	The formation, electrical conduction and catalytic behaviour of ferrosinels Cd _{1.0-x} Co _x Fe ₂ O ₄ , 0.0 ≤ x ≤ 0.5. 1993 , 36, 48-56	8
1722	X-ray analysis and IR absorption spectra of Li-Ge ferrite. 1993 , 34, 35-40	91
1721	A study on the thermal decomposition of iron-cobalt mixed hydroxides. 1993 , 39, 309-321	11
1720	Spin-glass behaviour of the system CoFe _{2-x} Ga _x O ₄ . 1993 , 3, 299-302	17
1719	Decomposition of CO ₂ to carbon by H ₂ -reduced Ni(II)- and Co(II)-bearing ferrites at 300 °C. 1994 , 9, 462-467	17
1718	Structural, electrical and spectroscopic studies of the system Ni _{1-x} Cu _x Fe ₂ O ₄ . 1994 , 76, 953-959	1
1717	Infrared spectrometric investigation of submicron metastable cation-deficient spinels in relation to order-disorder phenomena and phase transition. 1994 , 6, 127-148	28
1716	Structural and IR studies on Cu-Ti mixed ferrite. 1994 , 59, 389-393	9
1715	Decomposition of carbon dioxide to carbon by hydrogen-reduced Ni(II)-bearing ferrite. 1994 , 29, 5689-5692	37
1714	Characterization of high-area Mg _x Fe ₂ O _{3+x} (0 ≤ x ≤ 2) mono-phasic powders by vibrational spectroscopies. 1994 , 13, 275-279	16
1713	Spectral studies for CO _x Ni _{5/3-x} Sb _{1/3} Fe ₁₀ O ₄ ferrites. 1994 , 13, 1500-1502	12
1712	Mössbauer and Infrared Studies of the Ferrite System Co _{0.6} Zn _{0.4} Cu _x Fe _{2-x} O ₄ . 1994 , 145, 157-165	16

1711	Infrared studies on some substituted copper chromite spinels. 1994 , 50, 713-718	14
1710	Far-infrared spectra of lithium-titanium mixed ferrites. 1994 , 22, 201-205	2
1709	Far-infrared spectral studies of some lithium-nickel mixed ferrites. 1994 , 136, 279-283	35
1708	A method for the determination of infrared optical constants from reflectance measurements on powdered samples. 1994 , 6, 7125-7141	27
1707	Methanation of CO ₂ on Ni(II)-Bearing Ferrite (Ni _x Fe _{3-x} O ₄ , x=0.39, 0) in Flow System. 1994 , 344, 163	1
1706	Infrared spectra-structure correlation study of vanadium-iron spinels and of their oxidation products. 1995 , 9, 181-190	35
1705	Combustion synthesis and properties of fine particle Li-Zn ferrites. 1995 , 14, 1074-1077	6
1704	Mössbauer, infrared, and X-ray studies of the Mn ₂ Zn ferrites. 1995 , 151, 205-214	21
1703	Effect of Rattling on the Interatomic Interaction in Oxide Spinel MgAl ₂ O ₄ and ZnGa ₂ O ₄ . 1995 , 190, K27-K29	6
1702	Characterization of the magnetic properties and transport mechanisms of Co _x Fe _{3-x} O ₄ spinel. 1995 , 96, 445-449	41
1701	Mössbauer and infrared studies of the Cu-Cr ferrites. 1995 , 96, 91-98	18
1700	⁵⁷ Fe Mössbauer and infrared studies of the system Co _{1-x} Cd _x Fe ₂ O ₄ . 1995 , 96, 99-109	30
1699	Relation between the fine structure of the vibrational spectrum of the crystal lattice and the cation distribution in Co _{1+2x} Fe _{2-3x} Sb _x O ₄ ferrites. 1995 , 38, 748-751	
1698	Physico-chemical properties and catalytic activities of the spinel series Mn _x Fe _{3-x} O ₄ towards peroxide decomposition. 1995 , 91, 3489-3494	39
1697	Synthesis and characterization of ultrafine nickel(II)-bearing ferrites (Ni _x Fe _{3-x} O ₄ , x= 0.14-1.0). 1995 , 5, 1413-1418	33
1696	Hydrothermal conversion of amorphous NiFe _{2-x} Al _x (OH) ₈ into crystalline phases. 1996 , 6, 1701-1707	2
1695	Iron-manganese hydroxycarbonate precursors in the synthesis of high-dispersity spinel mixed oxides. 1996 , 6, 1035-1040	5
1694	Fine structure of vibratory spectra and cation distribution in nonstoichiometric Mn-Zn ferrites. 1996 , 39, 928-933	

- 1693 Effect of Ti⁴⁺ substitution in copper ferrite: an analogous study. **1996**, 44, 293-297 20
- 1692 Thermal decomposition of hexahydrated nickel iron citrate. **1996**, 285, 325-336 44
- 1691 X-ray, infrared and magnetic studies of chromium substituted nickel ferrite. **1996**, 15, 1548-1550 43
- 1690 Structural studies for Zn_xMg_{0.8-x}Ni_{0.2}Fe₂O₄ ferrites. **1996**, 56, 35-42 21
- 1689 Structural study of Ni_xMg_{1-x}Fe₂O₄ ferrites. **1996**, 56, 87-95 3
- 1688 Pressure-induced charge transfer in lanthanum nickel ferrate () and analogies to composition-driven charge transfer in dilanthanum cuprate : an infrared study. **1997**, 9, 11209-11218 5
- 1687 Effects of Reaction Conditions on Deposition of Ferrites from Alkaline Metal Hydroxide Gels. **1997**, 495, 251
- 1686 Some physical properties of Mg-Zn ferrites. **1997**, 13, 625-630 12
- 1685 IR absorption and dielectric properties of Li - Ti ferrite. **1997**, 30, 1799-1808 55
- 1684 Design and synthesis of lanthanide transition metallates (LnTmO₃) with Novel Electronic Properties. **1997**, 86, 2165-2166
- 1683 FTIR spectroscopy of metal oxide insertion materials: Analysis of Li_xMn₂O₄ spinel electrodes. **1997**, 32, 609-618 36
- 1682 CORRELATION BETWEEN IONIC-COVALENT PARAMETERS AND INFRARED SPECTROSCOPIC DATA IN II-III TRANSITION METAL SPINEL-TYPE OXIDES. **1997**, 32, 863-872 19
- 1681 Simulating the dielectric-constant spectrum of an oxide ferromagnetic as a set of quasiharmonic oscillators. **1997**, 40, 172-175
- 1680 Characterization of thin CuCo₂O₄ films prepared by chemical spray pyrolysis. Study of their electrochemical stability by ex situ spectroscopic analysis. **1997**, 428, 47-56 52
- 1679 Synthesis of Ultrafine Cobalt Ferrite by Thermal Decomposition of Citrate Precursor. **1998**, 52, 595-607 40
- 1678 Electrical and magnetic properties of the Sn⁴⁺ substituted spinel ferrite, ZnSn_xFe_{2-2x}/3O₄ (0.00 ≤ x ≤ 0.30). **1998**, 52, 267-271 5
- 1677 Structure and magnetic properties of Cd and Ti/Si substituted cobalt ferrites. **1998**, 57, 86-91 59
- 1676 Structure and properties of magnetite formed in the presence of nickel(II) ions. **1998**, 33, 1609-1619 23

1675	Cation distribution and susceptibility study of Cd ²⁺ and Cr ³⁺ substituted Cd ²⁺ ferrites. 1998 , 186, 333-341	19
1674	Raman Spectra and Vibrational Analysis of BaFe ₁₂ O ₁₉ Hexagonal Ferrite. 1998 , 137, 127-137	260
1673	Magnetic studies of nanosized nickel ferrite particles synthesized by the citrate precursor technique. 1998 , 265, 87-92	152
1672	Catalysis by mixed-metal oxide systems. 1998 , 991-997	
1671	Infrared spectroscopy investigation of the charge ordering transition in LiMn ₂ O ₄ . 1999 , 111, 453-458	26
1670	Selective N-monomethylation of aniline over Zn _{1-x} Ni _x Fe ₂ O ₄ (x=0, 0.2, 0.5, 0.8 and 1) type systems. 1999 , 182, 327-336	20
1669	Electrical switching in Cd _x Co _{1-x} Fe ₂ O ₄ system. 1999 , 34, 863-868	14
1668	Magnetic behaviour of Cd ²⁺ and Cr ³⁺ substituted cobalt ferrites. 1999 , 60, 282-285	37
1667	Preparation of Nickel Aluminum Manganese Spinel Oxides Ni _x Al _{1-x} Mn ₂ O ₄ for Oxygen Electrocatalysis in Alkaline Medium: Comparison of Properties Stemming from Different Preparation Methods. 1999 , 145, 23-32	17
1666	Raman study of substituted barium ferrite single crystals, BaFe _{12-x} Me _x Co _x O ₁₉ (Me=Ir, Ti). 1999 , 30, 115-120	62
1665	Ambient-temperature synthesis of metal-bearing ferrites: how and why?. 1999 , 290, 129-136	9
1664	Dielectric Properties of Spinel, Garnet and Perovskite Oxides. 2000 , 222, 541-551	17
1663	Selective N-monomethylation of aniline using Zn _{1-x} Co _x Fe ₂ O ₄ (x=0, 0.2, 0.5, 0.8 and 1.0) type systems. 2000 , 152, 225-236	13
1662	Selective N-methylation of aniline with dimethyl carbonate over Zn _{1-x} Co _x Fe ₂ O ₄ (x=0, 0.2, 0.5, 0.8 and 1.0) type systems. 2000 , 159, 327-334	21
1661	Tetravalent ions substitution in Cu ²⁺ Ferrite; structure formation and electrical properties. 2000 , 62, 131-138	30
1660	Infrared absorption and dielectric properties of Li ⁺ Cu ferrite. 2000 , 62, 139-147	27
1659	Studies on the decomposition of carbon dioxide into carbon with oxygen-deficient magnetite: I. Preparation, characterization of magnetite, and its activity of decomposing carbon dioxide. 2000 , 62, 44-51	41
1658	Spectral Studies of the Ferrite System Zn _{0.5} Cu _{0.5} Al _x Fe _{2-x} O ₄ . 2000 , 131, 29-42	22

1657	X-ray and infrared studies of chromium substituted magnesium ferrite. 2000 , 42, 33-37	50
1656	Infrared studies of some mixed LiCo ferrites. 2001 , 3, 819-823	53
1655	Spectral studies of $\text{Co}_{0.6}\text{Zn}_{0.4}\text{Fe}_2\text{O}_4$ at different soaking times. 2001 , 51, 42-47	15
1654	Vapor-phase methylation of pyridine with methanol to 3-picoline over $\text{Zn}_{1-x}\text{Co}_x\text{Fe}_2\text{O}_4$ ($x=0, 0.2, 0.5, 0.8$ and 1.0)-type ternary spinels prepared via a low temperature method. 2001 , 205, 11-18	29
1653	Surface properties and catalytic activity of ferrosinels of nickel, cobalt and copper, prepared by soft chemical methods. 2001 , 218, 39-51	186
1652	Infrared and Mössbauer Investigations of $\text{CdG}_x\text{Fe}_{2-x}\text{O}_4$ Spinel. 2001 , 226, 369-374	2
1651	Electrochemical deposition and oxidation of CuFe ₂ alloy: a new method to deposit CuFe ₂ O ₄ thin films at room temperature. 2001 , 70, 274-284	16
1650	Spectral and transport phenomena in Ni ferrite-substituted Gd ₂ O ₃ . 2001 , 224, 132-142	94
1649	Raman study of stoichiometric and Zn-doped Fe ₃ O ₄ . 2002 , 65,	121
1648	AcidBase properties of $\text{Cu}_{1-x}\text{Co}_x\text{Fe}_2\text{O}_4$ ferrosinels: FTIR investigations. 2002 , 4, 4260-4267	48
1647	Structural investigations of the compounds ASc_2S_4 (A=Mn, Fe, Cd). 2002 , 334, 92-96	14
1646	The synthesis and selected properties of new compounds: $\text{Mg}_3\text{Fe}_4(\text{VO}_4)_6$ and $\text{Zn}_3\text{Fe}_4(\text{VO}_4)_6$. 2002 , 37, 849-858	28
1645	Preparation and characterization of Zn substituted LiMg ferrites. 2002 , 37, 2547-2555	18
1644	Electrical and magnetic properties of spinel $\text{ZnCr}_{2-x}\text{Fe}_x\text{O}_4$ ($0 \leq x \leq 1.0$). 2002 , 73, 330-334	21
1643	Influence of Grain Size, Oxygen Stoichiometry, and Synthesis Conditions on the $\square\text{-Fe}_2\text{O}_3$ Vacancies Ordering and Lattice Parameters. 2002 , 163, 459-465	111
1642	Infrared absorption spectroscopic study of Nd ³⁺ substituted Zn-Mg ferrites. 2002 , 25, 351-354	62
1641	Spectroscopic analysis of ferrite doped with different rare earth elements. 2002 , 30, 69-75	37
1640	Ferrosinels based on Co and Ni prepared via a low temperature route as efficient catalysts for the selective synthesis of o-cresol and 2,6-xyleneol from phenol and methanol. 2002 , 185, 259-268	70

- 1639 Study of cyclohexanol decomposition reaction over the ferros spinels, $A_{1-x}Cu_xFe_2O_4$ (A=Ni or Co and $x=0, 0.3, 0.5, 0.7$ and 1), prepared by soft chemical methods. **2002**, 187, 105-117 41
- 1638 A comparison on the catalytic activity of $Zn_{1-x}Co_xFe_2O_4$ ($x = 0, 0.2, 0.5, 0.8$ and 1.0)-type ferros spinels prepared via a low temperature route for the alkylation of aniline and phenol using methanol as the alkylating agent. **2002**, 230, 245-251 35
- 1637 Ti^{4+} and Ge^{4+} ionic substitution in Cu-ferrite, electrical conductivity and thermoelectric power. **2002**, 248, 200-215 15
- 1636 Influence of zinc content on some properties of $Ni_{1-x}Zn_x$ ferrites. **2002**, 28, 363-367 120
- 1635 Electrochemical synthesis of nanocrystalline $CoFe_2O_4$ thin films and their characterization. **2002**, 28, 467-477 39
- 1634 Effect of chromium substitutions on some properties of $NiZn$ ferrites. **2002**, 28, 651-655 50
- 1633 Cobalt Ferrite from Citrate Precursor by Self-Propagating Combustion Reaction. **2003**, 74, 819-826 18
- 1632 Dielectric, electrical and infrared studies of $\gamma-Fe_2O_3$ prepared by combustion method. **2003**, 26, 391-396 56
- 1631 Electrochemical synthesis of nanocrystalline $CuFe_2O_4$ thin films from non-aqueous (ethylene glycol) medium. **2003**, 80, 120-128 30
- 1630 Non-isothermal decomposition of zinc oxalate-iron(II) oxalate mixture. **2003**, 81, 174-182 22
- 1629 Combustion synthesis of $CuFe_2O_4$. **2003**, 38, 41-54 216
- 1628 Non-isothermal decomposition of $Ni_2O_4 \cdot Fe_2O_4$ mixture aiming at the production of $NiFe_2O_4$. **2003**, 64, 1375-1385 48
- 1627 Preparation and characterization of magnetite nanoparticles coated by amino silane. **2003**, 212, 219-226 694
- 1626 Structural and infra-red studies of $Ni_{1+x}Pb_xFe_{2-2x}O_4$ system. **2003**, 57, 1651-1655 70
- 1625 Vibrational modeling of the thermodynamic properties of magnetite (Fe_3O_4) at high pressure from Raman spectroscopic study. **2003**, 119, 6100-6110 31
- 1624 Vibrational spectroscopic study of the site occupancy distribution of cations in nickel cobalt oxides. **2004**, 95, 5435-5442 74
- 1623 Infrared absorption studies of the system $Sr_2Me_2Fe_{12}O_{22}$. **2004**, 34, 221-224 10
- 1622 Liquid-phase Friedel-Crafts benzoylation of benzene using $Cu_xMn_{(1-x)}Fe_2O_4$ spinel catalysts. **2004**, 81, 229-234 5

1621	Far-infrared spectral studies of magnesium and aluminum co-substituted lithium ferrites. 2004 , 62, 1173-1180	19
1620	Selective alkylation of aniline to N-methyl aniline using chromium manganese ferrosinels. 2004 , 209, 89-96	24
1619	Synthesis and characterization of surface-hyperbranched magnetite nanoparticle for bovine serum albumin immobilization. 2004 , 2, 261-265	7
1618	Preparation and characterization of (3-aminopropyl)triethoxysilane-coated magnetite nanoparticles. 2004 , 279, 210-217	632
1617	Influence of heat treatment on cobalt ferrite ceramic powders. 2004 , 112, 182-187	99
1616	Structural Variations as a Function of Surface Adsorption in Nanostructured Particles. 2004 , 108, 5333-5340	30
1615	BSA Immobilization on Amine-Functionalized Superparamagnetic Iron Oxide Nanoparticles. 2004 , 16, 2344-2354	219
1614	Synthesis and characterization of Zn _{1-x} Ni _x Fe ₂ O ₄ spinels prepared by a citrate precursor. 2005 , 178, 1080-1086	125
1613	Dendrimer modified magnetite nanoparticles for protein immobilization. 2005 , 284, 1-6	182
1612	Magnetic polymeric microspheres for protein adsorption. 2005 , 236, 495-500	13
1611	Combustion synthesis and characterization of Sn ⁴⁺ substituted nanocrystalline NiFe ₂ O ₄ . 2005 , 119, 119-124	126
1610	Effect of La ³⁺ substitution on the structural, electrical and electrochemical properties of strontium ferrite by citrate combustion method. 2005 , 89, 406-411	26
1609	Spectral, initial magnetic permeability and transport studies of Li _{0.5} Co _x Fe _{2.5} O ₄ spinel ferrite. 2005 , 295, 28-36	15
1608	Preparation and properties of poly(acrylic acid) oligomer stabilized superparamagnetic ferrofluid. 2005 , 291, 411-20	209
1607	A Room Temperature Two-Step Electrochemical Process for Large Area Nanocrystalline Ferrite Thin Films Deposition. 2005 , 15, 35-44	12
1606	Structural, electrical and magnetic properties of copper-cadmium ferrites prepared from metal oxalates. 2005 , 40, 387-398	24
1605	Elastic constants determination for Fe ³⁺ substituted YIG through infra-red spectroscopy and heterogeneous metal mixture rule. 2005 , 40, 1247-1249	23
1604	Structure sensitive in situ Raman study of iron passive films using SERS-active Fe ₃ O ₄ (111) substrates. 2005 , 71,	15

1603	In situ synthesis of nickel ferrite nanoparticle/organic hybrid. 2005 , 20, 1590-1596	3
1602	Polypyrrole composites for shielding applications. 2005 , 151, 211-217	97
1601	Synthesis and the physical properties of MnZn ferrite and NiMnZn ferrite/polyaniline nanocomposite particles. 2005 , 15, 810-817	148
1600	Synthesis and Characterization of Prussian Blue Modified Magnetite Nanoparticles and Its Application to the Electrocatalytic Reduction of H ₂ O ₂ . 2005 , 17, 3154-3159	180
1599	Dielectric Hysteresis in Fe ₂ TiO ₅ on Substitution of Titanium by Tin. 2005 , 323, 97-106	1
1598	Cation occupancy determination in manganese zinc ferrites using Fourier transform infrared spectroscopy. 2006 , 99, 08M901	9
1597	Microstructural study and size control of iron oxide nanoparticles produced by microemulsion technique. 2006 , 3, 1302-1307	40
1596	Spectroscopic studies of the effect of addition of Y ³⁺ on structural characteristics of NiZn ferrites. 2006 , 203, 271-281	22
1595	New NiFe _{2-x} Cr _x O ₄ spinel films for O ₂ evolution in alkaline solutions. 2006 , 51, 5515-5523	77
1594	Study of elastic behaviour of magnesium ferri aluminates. 2006 , 32, 111-114	58
1593	Novel polyaniline-LiNi _{0.5} La _{0.02} Fe _{1.98} O ₄ nanocomposites prepared via an in situ polymerization. 2006 , 42, 2221-2227	52
1592	X-ray diffraction and infrared spectra studies of Fe _x Mn _{2.34-x} Ni _{0.66} O ₄ (0. 2006 , 26, 2833-2837	54
1591	Spectroscopic and electrical properties of Mg _{1-x} Fe _x ferrite doped with different rare-earth elements. 2006 , 381, 144-155	24
1590	The influence of the oxidative dehydrogenation of butene-1 on the phase composition of the nickel ferrite/γ-Al ₂ O ₃ catalyst. 2006 , 80, 68-71	
1589	Study of infrared spectroscopy and elastic properties of fine and coarse grained nickel-cadmium ferrites. 2006 , 41, 7308-7318	66
1588	X-ray and IR analysis of Cu-Si ferrite. 2006 , 67, 1643-1648	50
1587	Lattice vibrations of materials for lithium rechargeable batteries. VI: Ordered spinels. 2006 , 130, 41-48	75
1586	FTIR study of Ni, Cu and Zn substituted nano-particles of MgFe ₂ O ₄ . 2006 , 60, 371-374	116

1585	Preparation, Characterization and Magnetic Properties of PANI/La-substituted LiNi Ferrite Nanocomposites. 2006 , 24, 1804-1809	20
1584	In situ synthesis of nano-sized cobalt ferrite particle/organic hybrid. 2006 , 21, 1336-1341	4
1583	Microwave Hydrothermal Synthesis and Characterization of Nanosize NiCuZn Ferrites. 2006 , 36, 143-148	9
1582	Preparation and Characterization of Spinel-Type Nanocrystalline ZnFe ₂ O ₄ by Radiation Method. 2007 , 121-123, 327-330	1
1581	Critical phase transition temperatures of 1B type multiferroic composite thin films. 2007 , 40, 1614-1619	12
1580	Synthesis of nickel zinc ferrite nanoparticle/organic hybrid from metalorganics. 2007 , 22, 1967-1974	7
1579	Vapor-Phase Catalytic Synthesis of 2-Methylpyrazine over a Nanocrystalline Ferrite Catalyst. 2007 , 46, 7039-7044	21
1578	Silane Ligand Exchange to Make Hydrophobic Superparamagnetic Nanoparticles Water-Dispersible. 2007 , 19, 1821-1831	474
1577	Coupling interaction in 1-3-type multiferroic composite thin films. 2007 , 90, 133124	24
1576	Functionalization of Magnetite Nanoparticles for Protein Immobilization. 2007 , 124-126, 895-898	1
1575	Styrene oxidation by H ₂ O ₂ using Ni _{0.5} Gd ferrites prepared by co-precipitation method. 2007 , 8, 1521-1526	24
1574	Novel Gd-substituted LiNi ferrite/polyaniline composite prepared by in situ polymerization. 2007 , 105, 944-950	9
1573	Ultrasonic-assisted synthesis of PMMA/Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanocomposite in mixed surfactant system. 2007 , 43, 1724-1728	23
1572	Polyaniline@Ni ferrite core-shell composite: Preparation, characterization and properties. 2007 , 456, 300-304	66
1571	Synthesis of nanoparticles of Co _x Fe _(3-x) O ₄ by combustion reaction method. 2007 , 308, 198-202	89
1570	A simple route to synthesize nickel ferrite (NiFe ₂ O ₄) nanoparticles using egg white. 2007 , 56, 797-800	272
1569	Effect of digestion time and alkali addition rate on physical properties of magnetite nanoparticles. 2007 , 111, 7978-86	132
1568	In situ synthesis and characterization of LiNi _{0.5} La _{0.08} Fe _{1.92} O ₄ @polyaniline core-shell nanocomposites. 2007 , 68, 1656-1662	43

1567	Magnetic diphas nanostructure of ZnFe ₂ O ₄ /γ-Fe ₂ O ₃ . 2007 , 180, 1038-1044	32
1566	Production and characterization of pure and doped copper ferrite nanoparticles. 2008 , 82, 212-222	44
1565	Humidity response of Li-substituted magnesium ferrite. 2008 , 129, 909-914	85
1564	Immobilization of homing peptide on magnetite nanoparticles and its specificity in vitro. 2008 , 84, 10-8	36
1563	Preparation of poly (ethylene oxide)-graft-poly (acrylic acid) copolymer stabilized iron oxide nanoparticles via an in situ templated process. 2008 , 109, 501-507	9
1562	Sol-gel route of synthesis of nanoparticles of MgFe ₂ O ₄ and XRD, FTIR and VSM study. 2008 , 320, 2774-2779	257
1561	Synthesis of Fe ₃ O ₄ /APTES/PEG diacid functionalized magnetic nanoparticles for MR imaging. 2008 , 328, 52-59	209
1560	Effect of pressure on the resistivity of spinel ferrite. 2008 , 403, 224-230	10
1559	Characterization of Co _{1-x} Zn _x Fe ₂ O ₄ nanoparticles synthesized by co-precipitation method. 2008 , 403, 2157-2167	91
1558	DC resistivity of Ni _{1-x} Zn _x ferrites prepared by oxalate precipitation method. 2008 , 111, 87-91	83
1557	Production of single phase nano size NiFe ₂ O ₄ particles using sol-gel auto combustion route by optimizing the preparation conditions. 2008 , 112, 572-576	81
1556	Preparation and characterization of magnetic nanoparticles embedded in microgels. 2008 , 62, 898-902	66
1555	Electromagnetic applications of conducting and nanocomposite materials. 2008 , 435-475	4
1554	Synthesis of PPEGMEA-g-PMAA densely grafted double hydrophilic copolymer and its use as a template for the preparation of size-controlled superparamagnetic Fe ₃ O ₄ /polymer nano-composites. 2008 , 18, 4332	39
1553	Synthesis and characterization of ZnFe ₂ O ₄ magnetic nanoparticles via a PEG-assisted route. 2008 , 462, 209-213	121
1552	Facile Synthesis and Characterization of Polyaniline/NiFe ₂ O ₄ Nanocomposite in w/o Microemulsion. 2008 , 47, 242-249	16
1551	PREPARATION, STRUCTURAL CHARACTERIZATION AND MAGNETIC PROPERTIES OF La-SUBSTITUTED Co FERRITES VIA A MODIFIED CITRATE PRECURSOR ROUTE. 2009 , 23, 3289-3297	2
1550	Effect of sintering temperature and thermoelectric power studies of the system MgFe ₂ -Cr _x O ₄ . 2009 , 11, 2075-2079	8

1549	Structural analysis of Sm ³⁺ doped nanocrystalline Mg _{1-x} Fe _x O ferrites prepared by oxalate co-precipitation method. 2009 , 60, 1328-1333	42
1548	Synthesis, characterization and studies on magnetic and electrical properties of Mg ferrite with Cr substitution. 2009 , 113, 233-238	74
1547	Structural analysis of Y ³⁺ -doped Mg _{1-x} Fe _x O ferrites prepared by oxalate co-precipitation method. 2009 , 114, 505-510	115
1546	Effect of diamagnetic substitution on the structural, magnetic and electrical properties of NiFe ₂ O ₄ . 2009 , 115, 578-584	80
1545	Structural, spectroscopic and magnetic study of nanocrystalline Ni _{1-x} Zn _x ferrites. 2009 , 116, 207-213	221
1544	Effect of chromium ion substitution on the electromagnetic properties of nickel ferrite. 2009 , 118, 153-160	81
1543	The effect of Cu content on the structure of Ni _{1-x} Cu _x Fe ₂ O ₄ spinels. 2009 , 44, 2160-2168	43
1542	Magnetic Behaviors of Surface Modified Superparamagnetic Magnetite Nanoparticles. 2009 , 45, 2446-2449	22
1541	Electrochemical synthesis of Fe ₃ O ₄ -PB nanoparticles with core-shell structure and its electrocatalytic reduction toward H ₂ O ₂ . 2009 , 13, 1273-1278	25
1540	Investigation of structural and magnetic properties of nanocrystalline manganese substituted lithium ferrites. 2009 , 182, 3217-3221	62
1539	Preparation and catalytic activity of nickel-manganese oxide catalysts in the reaction of partial oxidation of methane. 2009 , 12, 740-747	32
1538	An investigation on synthesis and magnetic properties of ferromagnetic nanoparticles of nickel ferrite coated with TiO ₂ . 2009 , 20, 257-261	10
1537	Non-isothermal decomposition kinetics of NiFe ₂ O ₄ nanoparticles synthesized using egg white solution route. 2009 , 97, 879-884	8
1536	Preparation and characterization of Fe ₃ O ₄ magnetic composite microspheres covered by a P(MAH-co-MAA) copolymer. 2009 , 11, 449-458	24
1535	Preparation and properties of a novel drug delivery system with both magnetic and biomolecular targeting. 2009 , 20, 301-7	68
1534	Low temperature synthesis of nanosized Mn _{1-x} Zn _x Fe ₂ O ₄ ferrites and their characterizations. 2009 , 32, 141-147	45
1533	Magnesium Ferrite (MgFe ₂ O ₄) Nanostructures Fabricated by Electrospinning. 2008 , 4, 221-228	154
1532	Enhanced magnetization of nanoparticles of Mg _x Fe _(3-x) O ₄ (0.5 ≤ x ≤ 1.5) synthesized by combustion reaction. 2009 , 94, 131-137	49

1531	Cation distribution by Rietveld, spectral and magnetic studies of chromium-substituted nickel ferrites. 2009 , 95, 429-434	77
1530	Nanostructures and magnetic properties of cobalt ferrite (CoFe ₂ O ₄) fabricated by electrospinning. 2009 , 97, 167-177	112
1529	Enantioselective transesterification catalysis by <i>Candida antarctica</i> lipase immobilized on superparamagnetic nanoparticles. 2009 , 20, 2299-2304	38
1528	In situ preparation of CoFe ₂ O ₄ Pb(ZrTi)O ₃ multiferroic composites by gel-combustion technique. 2009 , 29, 2807-2813	45
1527	Cobalt ferrite aerogels by epoxide sol-gel addition: Efficient catalysts for the hydrolysis of 4-nitrophenyl phosphate. 2009 , 312, 18-22	20
1526	A simple route to synthesize nanocrystalline nickel ferrite (NiFe ₂ O ₄) in the presence of octanoic acid as a surfactant. 2009 , 28, 1455-1458	135
1525	Synthesis and characterization of pure and Li ₂ O doped ZnFe ₂ O ₄ nanoparticles via glycine assisted route. 2009 , 28, 4122-4130	21
1524	Mechanosynthesis of nanostructured magnetic Ni _{1-x} Zn _x ferrite. 2009 , 193, 150-153	43
1523	Effect of Mg substitution on the magnetic properties of NiCuZn ferrite nanoparticles prepared through a novel method using egg white. 2009 , 321, 3144-3148	82
1522	Total oxidation of toluene on ferrite-type catalysts. 2009 , 141, 361-366	81
1521	Immobilization of albumin on aminosilane modified superparamagnetic magnetite nanoparticles and its characterization. 2009 , 71, 154-9	205
1520	Vapor phase alkylation of pyrrole with methanol and dimethylcarbonate over ferros spinels. 2009 , 366, 65-70	1
1519	Surface modification of M-Ba-ferrite powders by polyaniline: Towards improving microwave electromagnetic response. 2009 , 255, 9381-9385	49
1518	Polymer-Iron Oxide Based Magnetic Nanocomposites. 2009 , 455-506	5
1517	Synthesis and characterization of polyaniline-based nanocomposites containing magnetic Li _{1-x} Ni _x ferrite. 2009 , 355, 1733-1736	11
1516	Effect of nickel substitutions on some properties of Cu _{1-x} Zn _x ferrites. 2009 , 468, 15-21	63
1515	The infrared absorption and dielectric properties of Li _{1-x} Ba _x ferrite. 2009 , 470, 294-300	81
1514	Synthesis, characterization and effect of sintering temperature on magnetic properties of MgNi ferrite prepared by co-precipitation method. 2009 , 475, 926-929	48

1513	Structural and electrical properties of nanocrystalline cobalt substituted nickel zinc ferrite. 2009 , 479, 797-802	60
1512	Investigation of structural and magnetic properties of nanocrystalline Ni _{0.3} Zn _{0.7} Fe ₂ O ₄ prepared by high energy ball milling. 2009 , 480, 737-740	30
1511	Synthesis and optical characterization of nanocrystalline NiFe ₂ O ₄ structures. 2009 , 481, 515-519	111
1510	Structural and magnetic susceptibility studies of samarium substituted magnesium zinc ferrites. 2009 , 482, 147-150	42
1509	Facile fabrication and characterization of NiFe ₂ O ₄ /ZnO hybrid nanoparticles. 2009 , 484, 69-72	18
1508	Mechanochemical synthesis and characterization of nanodimensional iron cobalt spinel oxides. 2009 , 485, 356-361	36
1507	Synthesis and characterization of CoCr _x Fe _{2-x} O ₄ nanoparticles. 2009 , 485, 798-801	40
1506	Microwave synthesis and characterization of Zn-doped nickel ferrite nanoparticles. 2009 , 486, 325-329	138
1505	Ferrosinels based on Cu and Co prepared via low temperature route as efficient catalysts for the selective oxidation of alcohol. 2009 , 487, 730-734	18
1504	Poly[N-isopropylacrylamide-co-3-(trimethoxysilyl)-propylmethacrylate] Coated Aqueous Dispersed Thermosensitive Fe ₃ O ₄ Nanoparticles. 2009 , 113, 10090-10096	47
1503	Vapor phase alkylation of indole with methanol and dimethylcarbonate over Ni/Mn based ferrosinels. 2009 , 10, 1577-1581	8
1502	Dielectric properties and complex impedance spectroscopy studies of mixed Ni-Co ferrites. 2009 , 18, 085014	102
1501	Hybrid density functional theory applied to magnetite: Crystal structure, charge order, and phonons. 2009 , 79,	53
1500	Structural properties and magnetic interactions in Al ³⁺ and Cr ³⁺ co-substituted CoFe ₂ O ₄ ferrite. 2010 , 8, 419-425	16
1499	Water-dispersible magnetite-reduced graphene oxide composites for arsenic removal. 2010 , 4, 3979-86	1672
1498	Microstructure, magnetic and optical properties of sputtered polycrystalline ZnO films with Fe addition. 2010 , 256, 1930-1935	35
1497	Doping effect of Mn ²⁺ on the magnetic behavior in Ni/Zn ferrite nanoparticles prepared by sol-gel auto-combustion. 2010 , 71, 1669-1675	137
1496	Influence of rare-earth ions on structural and magnetic properties of CdFe ₂ O ₄ ferrites. 2010 , 29, 168-173	29

1495	Ion transport studies on Al ₂ O ₃ ferrite dispersed nano-composite polymer electrolyte. 2010 , 25, 99-107	8
1494	Structural and magnetic properties of nanocrystalline Mg _{0.5} ferrites prepared by oxalate co-precipitation method. 2010 , 21, 96-103	43
1493	Saturation magnetization and structural analysis of Ni _{0.6} Zn _{0.4} Nd _y Fe ₂ O ₄ by XRD, IR and SEM techniques. 2010 , 21, 120-124	26
1492	Synthesis and Characterizations of Surface-Coated Superparamagnetic Magnetite Nanoparticles. 2010 , 46, 443-446	13
1491	Kinetic resolution of a drug precursor by Burkholderia cepacia lipase immobilized by different methodologies on superparamagnetic nanoparticles. 2010 , 66, 55-62	45
1490	Wet chemical synthesis and gas sensing properties of magnesium zinc ferrite nano-particles. 2010 , 120, 509-517	35
1489	Structural, optical and magnetic properties of nanoparticles of ZnO:Ni ₂ S ₃ prepared by sol-gel method. 2010 , 123, 450-455	82
1488	Effects of calcination temperature and solution pH value on the structural and magnetic properties of Ba ₂ Co ₂ Fe ₁₂ O ₂₂ ferrite via EDTA-complexing process. 2010 , 123, 551-556	32
1487	Polyacrylamide/Zn _{0.4} Ni _{0.5} Cu _{0.1} Fe ₂ O ₄ nanocomposites: Synthesis, characterization and electromagnetic properties. 2010 , 124, 1039-1045	7
1486	Optimization of reaction conditions in selective oxidation of styrene over fine crystallite spinel-type CaFe ₂ O ₄ complex oxide catalyst. 2010 , 45, 609-615	47
1485	Magnetic properties of NiCuZn ferrite nanoparticles synthesized using egg-white. 2010 , 45, 589-593	34
1484	Rietveld refinement and switching properties of Cr ³⁺ substituted NiFe ₂ O ₄ ferrites. 2010 , 64, 722-724	52
1483	Effect of grain size on the Néel temperature of nanocrystalline nickel ferrite. 2010 , 64, 1144-1146	40
1482	Structural and magnetic properties of nano-sized Cu _{0.5} ferrites prepared through a simple method using egg white. 2010 , 64, 1887-1890	31
1481	Removal of nickel on Bofe bentonite calcined clay in porous bed. 2010 , 176, 109-18	72
1480	Effect of composition on structural and magnetic properties of nanocrystalline Ni _{0.8} Zn _{0.2} Mg _x Fe ₂ O ₄ ferrite. 2010 , 29, 2569-2573	47
1479	Immobilized protease on the magnetic nanoparticles used for the hydrolysis of rapeseed meals. 2010 , 322, 2031-2037	32
1478	Low-temperature synthesis of nanocrystalline NiCuZn ferrite and the effect of Cr substitution on its electrical properties. 2010 , 322, 3159-3165	42

1477	Chemical synthesis and studies on structural and magnetic properties of fine grained nickel cadmium ferrites. 2010 , 322, 3355-3358	11
1476	Mixed-metal carbonates as precursors for the synthesis of nanocrystalline MnZn ferrites. 2010 , 322, 3455-3459	7
1475	Finite size effect on Gd ³⁺ doped CoGdxFe ₂ O ₄ (0.05-0.5) particles. 2010 , 322, 3688-3691	41
1474	Effect of composition on structural and magnetic properties of nanocrystalline ball milled Ni _{1-x} ZnxFe ₂ O ₄ ferrite. 2010 , 405, 507-512	51
1473	Far-infrared spectra for copper-zinc mixed ferrites. 2010 , 405, 4476-4479	64
1472	Structural and magnetic phase evolution study on needle-shaped nanoparticles of magnesium ferrite. 2010 , 36, 275-281	48
1471	Structural, magnetic and electrical properties of Ga-substituted NiCuZn nanocrystalline ferrite. 2010 , 36, 1339-1346	30
1470	Salt effects on the physical properties of magnetite nanoparticles synthesized at different NaCl concentrations. 2010 , 367, 41-46	12
1469	Study of microstructure, impedance and dc electrical properties of RuO ₂ spinel based screen printed green NTC thermistor. 2010 , 10, 1156-1163	22
1468	Adsorption of Cu(II) from aqueous solution by using modified Fe ₃ O ₄ magnetic nanoparticles. 2010 , 254, 162-169	149
1467	Microwave Hydrothermally Synthesized Nanocrystalline Co-Zn Ferrites. 2010 , 120, 6-14	1
1466	PREPARATION AND STRUCTURAL CHARACTERIZATION OF NANOCRYSTALLINE ZnCu ₂ FERRITES WITH Gd SUBSTITUTION. 2010 , 24, 5409-5416	3
1465	Connectivity between electrical conduction and thermally activated grain size evolution in Ho-doped CoFe ₂ O ₄ ferrite. 2010 , 43, 465002	18
1464	Combustible Gas Sensing Characteristics of Chemical Solution Synthesized Nanocrystalline Magnesium Ferrite Spinel Particles. 2010 , 69, 187-192	3
1463	Epitaxial strain effects in the spinel ferrites CoFe ₂ O ₄ and NiFe ₂ O ₄ from first principles. 2010 , 82,	115
1462	Prussian blue modified iron oxide magnetic nanoparticles and their high peroxidase-like activity. 2010 , 20, 5110	294
1461	Investigation of mixed spinel structure of nanostructured nickel ferrite. 2010 , 107, 114310	150
1460	Spin Canting of Maghemite Studied by NMR and In-Field Mössbauer Spectrometry. 2010 , 114, 8794-8799	39

1459	Magnetic and dielectric properties of mixed spinel Ni _{1-x} Zn _x ferrites synthesized by citrate-biurate combustion method. 2010 , 491, 372-377	74
1458	Structural, magnetic and electrical properties of Co _{1-x} Ni _x Mn ferrites synthesized by co-precipitation method. 2010 , 492, 590-596	98
1457	Effect of preparation method on the surface properties and activity of Ni _{0.7} Cu _{0.3} Fe ₂ O ₄ nanoparticles. 2010 , 493, 55-63	18
1456	Synthesis and characterization of CuFe ₂ O ₄ nanorods synthesized by polyol route. 2010 , 493, 493-498	66
1455	Effect of preparation method on the physical and catalytic property of nanocrystalline Fe ₂ O ₃ . 2010 , 504, 371-376	56
1454	Effect of substitution with potassium and chromium oxides on the magnetic and electrical properties of Li-ferrite. 2010 , 505, 297-301	9
1453	Synthesis characterization and magnetic properties of Cr-substituted NiCuZn nanocrystalline ferrite. 2010 , 506, 205-209	44
1452	Influence of Co ²⁺ Ion Concentration on the Size, Magnetic Properties, and Purity of CoFe ₂ O ₄ Spinel Ferrite Nanoparticles. 2010 , 114, 6334-6341	140
1451	Effect of Cadmium Substitution on Structural and Magnetic Properties of Nano Sized Nickel Ferrite. 2010 , 23, 459-464	14
1450	Mineralogical, Chemical, and Physical Characterization of Synthetic Al-Substituted Maghemites (Fe _{2-3x} Al _x O ₃). 2010 , 58, 451-461	9
1449	Absorption of 10-hydroxycamptothecin on Fe ₃ O ₄ magnetite nanoparticles with layer-by-layer self-assembly and drug release response. 2011 , 40, 3039-46	22
1448	Low temperature synthesis of nanocrystalline Dy ³⁺ doped cobalt ferrite: Structural and magnetic properties. 2011 , 110, 053910	120
1447	A Comparative Study of Electrochemical Capacitive Behavior of NiFe ₂ O ₄ Synthesized by Different Routes. 2011 , 158, A976	75
1446	Effect of Gd ³⁺ -doping on the structural and magnetic properties of nanocrystalline Ni _{1-x} Gd _x mixed ferrite. 2011 , 84, 045702	39
1445	Functionalization of Cobalt Ferrite Nanoparticles with Alginate Coating for Biocompatible Applications. 2011 , 02, 1317-1321	9
1444	Autocombustion High-Temperature Synthesis, Structural, and Magnetic Properties of CoCr _x Fe _{2-x} O ₄ (0 ≤ x ≤ 1.0). 2011 , 115, 20905-20912	89
1443	Synthesis and morphological study of chromium substituted Zn _{1-x} Mn _x ferrites nanostructures via sol-gel method. 2011 , 509, 276-280	34
1442	Synthesis, characterization and magnetic properties of La ³⁺ added Mg _{1-x} Gd _x ferrites prepared by oxalate co-precipitation method. 2011 , 509, 966-972	52

1441	Effect of calcination temperature on the structural and electrical properties of cobalt ferrite synthesized by combustion method. 2011 , 509, 1861-1865	111
1440	Synthesis and characterization of nanocrystalline Ti-substituted Zn ferrite. 2011 , 509, 2160-2163	44
1439	Structural, magnetic and electrical properties of nanocrystalline zinc ferrite. 2011 , 509, 3917-3923	112
1438	Synthesis, structural and electrical characterization of Sb ³⁺ substituted spinel nickel ferrite (NiSb _x Fe ₂ O ₄) nanoparticles by reverse micelle technique. 2011 , 509, 5119-5126	42
1437	One-step synthesis of MFe ₂ O ₄ (M = Fe, Co) hollow spheres by template-free solvothermal method. 2011 , 509, 6206-6211	36
1436	Synthesis and study of nanocrystalline Ni _{1-x} Zn _x ferrites prepared by oxalate based precursor method. 2011 , 509, 7004-7008	34
1435	Spectroscopic and magnetic investigation of NiCo nanoferrites. 2011 , 509, 7493-7497	18
1434	Synthesis and functional properties of the Ni _{1-x} Mn _x Fe ₂ O ₄ ferrites. 2011 , 509, 8065-8072	42
1433	Study of the temperature and organic bindings effects in the dielectric and structural properties of the lithium ferrite ceramic matrix (LiFe ₅ O ₈). 2011 , 509, 9466-9471	5
1432	Fabrication and absorbing property of microwave absorbers based on BaAl ₂ Fe ₁₀ O ₁₉ and poly(o-toluidine). 2011 , 161, 2192-2198	14
1431	Effect of nickel on the structural and magnetic properties of nano structured CoZnFe ₂ O ₄ . 2011 , 22, 1715-1724	22
1430	. 2011 ,	0
1429	Substitutional effect on structural and magnetic properties of A _x Co _{1-x} Fe ₂ O ₄ (A=Zn, Mg and x=0.0, 0.5) ferrites. 2011 , 1006, 447-452	92
1428	Removal of methylene blue from aqueous solution with magnetite loaded multi-wall carbon nanotube: kinetic, isotherm and mechanism analysis. 2011 , 198, 282-90	521
1427	Synthesis of Fe ₃ O ₄ magnetic fluid used for magnetic resonance imaging and hyperthermia. 2011 , 323, 2953-2959	109
1426	Oxygen stoichiometry control of nanometric oxide compounds: The case of titanium ferrites. 2011 , 184, 2776-2784	2
1425	Structural stability of ZnFe ₂ O ₄ nanoparticles under different annealing conditions. 2011 , 128, 400-404	19
1424	Microstructure and magnetic studies of Mg _{1-x} Ni _x Zn ferrites. 2011 , 129, 1104-1109	20

1423	Structural, magnetic, electrical and electrochemical properties of NiFe ₂ O ₄ synthesized by the molten salt technique. 2011 , 130, 285-292	76
1422	IR spectra and dielectric properties of Cu _{0.5} Fe ferrite. 2011 , 130, 847-852	8
1421	High temperature stability of surfactant capped CoFe ₂ O ₄ nanoparticles. 2011 , 130, 1300-1306	26
1420	Structural and vibrational properties of Zn _x Mn _{1-x} Fe ₂ O ₄ (x=0.0, 0.25, 0.50, 0.75, 1.0) mixed ferrites. 2011 , 131, 413-419	73
1419	Synthesis, dielectric behavior and impedance measurement studies of Cr-substituted Zn _{0.5} Mn ferrites. 2011 , 46, 447-452	40
1418	Synthesis and characterization of nanocrystalline Zn ferrites substituted with Ni. 2011 , 46, 1455-1460	73
1417	NiAl ₂ O ₄ catalysts prepared by combustion reaction using glycine as fuel. 2011 , 46, 1409-1413	12
1416	XRD and IR analysis of nanocrystalline Ni _{0.5} Zn ferrite synthesized by the sol-gel method. 2011 , 65, 677-680	69
1415	Comparison of the Magnetic Properties for the Surface-Modified Magnetite Nanoparticles. 2011 , 47, 2874-2877	8
1414	Synthesis and characterization of zinc ferrite nanoparticles obtained by self-propagating low-temperature combustion method. 2011 , 34, 1325-1330	36
1413	Influence of preparation method on structural and magnetic properties of nickel ferrite nanoparticles. 2011 , 34, 1345-1350	88
1412	Polarization modes in the Ba ₂ Mg ₂ Fe ₁₂ O ₂₂ multiferroic. 2011 , 53, 736-744	4
1411	Magnetic properties of nanocrystalline nickel zinc ferrites prepared by combustion synthesis. 2011 , 20, 118-123	4
1410	Superparamagnetic magnetite nanocrystal clusters as potential magnetic carriers for the delivery of platinum anticancer drugs. 2011 , 21, 11142	56
1409	High permeability and stress insensitivity of MgCuZn _{0.5} NiCuZn ferrite composites for microinductor applications. 2011 , 22, 555-560	10
1408	Synthesis and characterization of cobalt substituted zinc ferri-chromites prepared by sol-gel auto-combustion method. 2011 , 22, 1109-1115	9
1407	Diluted magnetic semiconductor properties in Zn _{1-x} Cu _x O nanoparticles synthesized by sol gel route. 2011 , 57, 101-108	21
1406	Preparation and characterization of nanocrystalline CoFe ₂ O ₄ deposited on SiO ₂ : in situ sol-gel process. 2011 , 58, 24-32	13

1405	Synthesis and characterization of Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ nano-particles obtained by auto catalytic thermal decomposition of carboxylato-hydrazinate complex. 2011 , 104, 879-883	18
1404	Novel synthesis of Ni _x Zn _{1-x} Fe ₂ O ₄ (0 ≤ x ≤ 1) nanoparticles and their dielectric properties. 2011 , 13, 739-750	36
1403	Structural characterization of microwave-synthesized zinc-substituted cobalt ferrite nanoparticles. 2011 , 104, 229-234	14
1402	Magnetic properties and crystallization kinetics of Zn _{0.5} Ni _{0.5} Fe ₂ O ₄ . 2011 , 30, 621-626	10
1401	Synthesis of nanocrystalline Mn _x Zn ferrite powders through thermolysis of mixed oxalates. 2011 , 37, 995-1002	36
1400	On the structural and magnetic properties of La-substituted NiCuZn ferrites prepared using egg-white. 2011 , 37, 2625-2630	33
1399	Effect of magnesium substitution on dielectric and magnetic properties of Ni _x Zn ferrite. 2011 , 406, 687-692	53
1398	Study of 200MeV Ag ¹⁵⁺ ion induced amorphisation in nickel ferrite thin films. 2011 , 269, 133-139	20
1397	Sulfamic acid-functionalized magnetic Fe ₃ O ₄ nanoparticles as an efficient and reusable catalyst for one-pot synthesis of amino nitriles in water. 2011 , 395, 28-33	191
1396	Effect of calcination temperature on the structure and hydroxylation activity of Ni _{0.5} Cu _{0.5} Fe ₂ O ₄ nanoparticles. 2011 , 257, 6256-6263	10
1395	Synthesis, microstructure, dielectric and magnetic properties of Cu substituted Ni _x Zn ferrites. 2011 , 323, 486-492	65
1394	Magnetic properties of La-substituted NiFe ₂ O ₄ via egg-white precursor route. 2011 , 323, 1835-1839	32
1393	Removal of reactive red-120 and 4-(2-pyridylazo) resorcinol from aqueous samples by Fe ₃ O ₄ magnetic nanoparticles using ionic liquid as modifier. 2011 , 192, 476-84	122
1392	Catalytic properties of thioredoxin immobilized on superparamagnetic nanoparticles. 2011 , 105, 738-44	13
1391	Fabrication, characterization and magnetic behaviour of alumina-doped zinc ferrite nano-particles. 2011 , 91, 48-54	33
1390	Photoluminescent Fe ₃ O ₄ /carbon nanocomposite with magnetic property. 2011 , 356, 107-10	12
1389	Preparation and Characterization of an Organic/Inorganic Composite Based on Ferrosipinel with Poly(Methyl Methacrylate) and Polyaniline. 2011 , 50, 2034-2041	
1388	Magnetic and fluorescent core-shell nanoparticles for ratiometric pH sensing. 2011 , 22, 415501	31

- 1387 Synthesis of Mixed Rb-Zn Ferrites by Novel Solution Combustion Method and Investigation on Their Microstructural Properties. **2011**, 2011, 1-5
- 1386 Formation of Nanoscale $Mg(x)Fe(1-x)O$ ($x=0.1,0.2,0.4$) Structure by Solution Combustion: Effect of Fuel to Oxidizer Ratio. **2012**, 2012, 1-8 14
- 1385 Preparation and Characterization of Composite of Polyamide 6/Nickel Ferrite. **2012**, 727-728, 609-613 0
- 1384 Direct preparation of ferrite magnetic material from Jinchuan nickel sulfide concentrate by acid leaching. **2012**, 103, 998-1003 2
- 1383 Optical band gap hierarchy in a magnetic oxide: Electronic structure of $NiFe_2O_4$. **2012**, 86, 69
- 1382 MICROSTRUCTURAL CHANGES UPON ANNEALING AND IT'S EFFECT ON MAGNETIC AND MECHANICAL PROPERTIES OF NANOSIZED COBALT FERRITE. **2012**, 11, 1250005 3
- 1381 Synthesis and characterization of nanocrystalline $MgAl_xFe_{2-x}O_4$ ferrites. **2012**, 27, 2798-2805 5
- 1380 IR Spectra, Elastic and Dielectric Properties of $LiMn$ Ferrite. **2012**, 2012, 1-9 17
- 1379 Effects of Mg substitution on microstructure and electrical properties of $NiMn_{2-x}Mg_xO_4$ NTC ceramics. **2012**, 27, 928-931 7
- 1378 Magnetic and microwave absorption properties of electrospun $Co_{0.5}Ni_{0.5}Fe_2O_4$ nanofibers. **2012**, 263, 320-325 37
- 1377 The influence of the chelating/combustion agents on the structure and magnetic properties of zinc ferrite. **2012**, 10, 1799-1807 5
- 1376 Spectroscopic signature of the superparamagnetic transition and surface spin disorder in $CoFe_2O_4$ nanoparticles. **2012**, 6, 4876-83 29
- 1375 Permeability and magnetic properties of Al^{3+} substituted $Ni_{0.7}Zn_{0.3}Fe_2O_4$ nanoparticles. **2012**, 112, 053908 30
- 1374 The Effect of EDTA on the Synthesis of Ni Ferrite Nanoparticles. **2012**, 25, 2357-2363 16
- 1373 Synthesis, enhanced optical and photocatalytic study of $CdZn$ ferrites under sunlight. **2012**, 2, 1033 89
- 1372 Magnetic Behavior of Zn-Doped Fe_3O_4 Nanoparticles Estimated in Terms of Crystal Domain Size. **2012**, 116, 134-143 100
- 1371 Substitutional effect of Cr^{3+} ions on the properties of $MgZn$ ferrite nanoparticles. **2012**, 407, 4338-4346 61
- 1370 One-pot synthesis of $ZnLaxFe_{2-x}O_4$ clusters without any template and their possible application in water treatment. **2012**, 22, 6581 29

1369	Structural and Magnetic Studies of $\text{Co}_{0.6}\text{Zn}_{0.4}\text{Fe}_2\text{O}_4$ Nanoferrite Synthesized by Solution Combustion Method. 2012 , 42, 360-363	6
1368	On the Role of Morphology of CoFe_2O_4 Spinel in Methanol Anaerobic Oxidation. 2012 , 116, 14998-15009	21
1367	Structural properties and magnetic interactions in $\text{Ni}_{0.5}\text{Mg}_{0.5}\text{Fe}_{2-x}\text{Cr}_x\text{O}_4$ ($0 \leq x \leq 1$) ferrite nanoparticles. 2012 , 229, 37-44	41
1366	Preparation and characterization of magnetic multi-walled carbon nanotubes/ferrite nanocomposite and its application for the removal of aniline from aqueous solution. 2012 , 161, 2651-2658	66
1365	Chemical synthesis of spinel cobalt ferrite (CoFe_2O_4) nano-flakes for supercapacitor application. 2012 , 259, 39-43	199
1364	Structure refinement, cation site location, spectral and elastic properties of Zn^{2+} substituted NiFe_2O_4 . 2012 , 1024, 77-83	62
1363	Nd:YAG laser irradiation effects on electrical properties of polycrystalline $\text{Li}_{0.5}\text{Fe}_{2.5}\text{O}_4$. 2012 , 511, 31-34	1
1362	Influence of Nd^{3+} substitution on structural, electrical and magnetic properties of nanocrystalline nickel ferrites. 2012 , 513, 80-85	69
1361	Structural, electrical and magnetic properties of Co/Cu ferrite nanoparticles. 2012 , 518, 11-18	142
1360	Effect of sintering temperature on structural, magnetic properties of lithium chromium ferrite. 2012 , 523, 66-71	35
1359	Magnetic nickel ferrite as a heterogeneous photo-Fenton catalyst for the degradation of rhodamine B in the presence of oxalic acid. 2012 , 203, 432-439	121
1358	Fullerene containing polyurethane nanocomposites for microwave applications. 2012 , 128, n/a-n/a	
1357	Synthesis and characterization of nanostructured Fe_3O_4 micron-spheres and their application in removing toxic Cr ions from polluted water. 2012 , 18, 13418-26	48
1356	Synthesis and Characterization of Copper Ferrite Nanocrystals via Coprecipitation. 2012 , 23, 1003-1010	29
1355	Novel Microwave-Assisted Synthesis of Renewable-Resource Based Carbon-Magnetite Nanocomposites. 2012 , 32, 268-278	1
1354	Induction heating studies of magnetite nanospheres synthesized at room temperature for magnetic hyperthermia. 2012 , 324, 4019-4023	26
1353	Microstructure and magnetic properties of substituted (Cr, Mn) - cobalt ferrite nanoparticles. 2012 , 135, 728-732	63
1352	Magnetic properties of nanocrystalline CoFe_2O_4 synthesized by thermal plasma in large scale. 2012 , 137, 586-595	14

- 1351 Co_{1-x}Zn_xFe₂O₄ (0 ≤ x ≤ 1) nanocrystalline solid solution prepared by the polyol method: Characterization and magnetic properties. **2012**, 47, 2590-2598 31
- 1350 Synthesis of nickel/zinc ferrite magnetic nanoparticle and dye degradation using photocatalytic ozonation. **2012**, 47, 4403-4408 32
- 1349 Magnetic and structural studies of the Mn-doped Mg/zn ferrite nanoparticles synthesized by the glycine nitrate process. **2012**, 324, 3741-3747 95
- 1348 Structural characteristics and electrical properties of copper doped manganese ferrite. **2012**, 38, 5605-5611 56
- 1347 Effects of Annealing on Phase Evolution, Microstructure, and Magnetic Properties of Nanocrystalline Ball-Milled LiZnTi Ferrite. **2012**, 41, 3082-3086 42
- 1346 A comprehensive study on influence of Nd³⁺ substitution on properties of LiMn₂O₄. **2012**, 35, 471-480 13
- 1345 Synthesis of Magnetic Halloysite Composites for the Effective Removal of Tetracycline Hydrochloride from Aqueous Solutions. **2012**, 30, 579-591 9
- 1344 Effect of chromium addition on the structural, morphological and magnetic properties of nano-crystalline cobalt ferrite system. **2012**, 38, 6671-6676 71
- 1343 CoFe₂O₄/Fe₃O₄Magnetic Nanocomposites as Photocatalyst for the Degradation of Methyl Orange Dye. **2012**, 2012, 1-6 16
- 1342 Preparation, characterization and electromagnetic properties of polyaniline/carbon nanotubes/nickel ferrite nanocomposites. **2012**, 33, 532-539 19
- 1341 Enhanced photocatalytic degradation of azo dyes using nano Fe₃O₄. **2012**, 9, 101-109 45
- 1340 Synthesis and study of magnetic properties of NiFe₂O₄ nanoparticles by PVA assisted auto-combustion method. **2012**, 23, 1011-1015 13
- 1339 Synthesis, Structural, Electrical and Magnetic Characterization of Mn_{0.5}Mg_{0.5-x}Ni_xFe₂O₄ Spinel Nanoferrites. **2012**, 25, 1025-1033 17
- 1338 New results on Magnetic Properties of Tin-Ferrite Nanoparticles. **2012**, 25, 1995-2002 28
- 1337 Nano-crystalline Mn_{0.3}Ni_{0.3}Zn_{0.4}Fe₂O₄ obtained by novel fumarato-hydrazinate precursor method. **2012**, 108, 865-870 16
- 1336 Raman study of cations distribution in Zn_xMg_{1-x}Fe₂O₄ nanoparticles. **2012**, 14, 1 62
- 1335 A novel microwave absorber [BaAl₂Fe₁₀O₁₉/poly(m-toluidine) composite: Preparation and electromagnetic properties. **2012**, 55, 1220-1227 4
- 1334 The influence of the transition metal substitution on chemically prepared ferrite nanoparticles [Mössbauer studies. **2012**, 12, 896-902 15

1333	Low temperature hydrothermal synthesis and characterization of Mn doped cobalt ferrite nanoparticles. 2012 , 38, 3625-3634	222
1332	Effect of La ³⁺ substitution on the structural and magnetocrystalline anisotropy of nanocrystalline cobalt ferrite (CoFe ₂ O ₄). 2012 , 38, 4771-4782	106
1331	Preparation and characterization of magnetizable aerosols. 2012 , 45, 693-7	14
1330	Structural, electrical and magnetic properties of cadmium substituted nickel-copper ferrites. 2012 , 132, 138-144	103
1329	Comparative study of NiFe _{2-x} Al _x O ₄ ferrite nanoparticles synthesized by chemical co-precipitation and sol-gel combustion techniques. 2012 , 47, 1353-1361	56
1328	Infrared investigations of Cu-Zn ferrite substituted with rare earth ions. 2012 , 73, 226-228	10
1327	Preparation of magnetic polyacrylonitrile core-shell nanospheres by the miniemulsion polymerization method. 2012 , 76, 141-143	12
1326	Hydrogen production by catalytic cracking of rice husk over Fe ₂ O ₃ /γ-Al ₂ O ₃ catalyst. 2012 , 41, 23-28	19
1325	Electrical and structural studies of lithium doped cobalt ferrite. 2012 , 73, 1040-1043	15
1324	Structural, electrical, optical and magnetic properties of chromium substituted Co _{0.6} Zn _{0.4} Cr _x Fe _{2-x} O ₄ (0 ≤ x ≤ 1.0) prepared via sol-gel auto-combustion method. 2012 , 1012, 162-167	55
1323	Investigation of structural, magnetic, electrical and optical properties of chromium substituted cobalt ferrites (CoCr _x Fe _{2-x} O ₄ , 0 ≤ x ≤ 1) synthesized using sol gel auto combustion method. 2012 , 1012, 182-188	78
1322	Microstructural, magnetic and electric properties of mixed Co _{0.5} Zn ferrites prepared by solution combustion method. 2012 , 14, 849-856	9
1321	Structural, optical and dielectric studies of Ni _x Zn _{1-x} Fe ₂ O ₄ prepared by auto combustion route. 2012 , 407, 935-942	35
1320	Infrared and structural studies of Mg _{1-x} Zn _x Fe ₂ O ₄ ferrites. 2012 , 407, 795-804	145
1319	Structural and electrical properties of nanometric Ni _{0.5} Cu ferrites synthesized by citrate precursor method. 2012 , 324, 4-10	56
1318	RETRACTED: Gd substituted NiCa ferrite/poly vinyl alcohol nanocomposite. 2012 , 324, 869-872	4
1317	Preparation and characterization of magnetic levan particles as matrix for trypsin immobilization. 2012 , 324, 1312-1316	28
1316	Magnetic and structural studies on CoFe ₂ O ₄ nanoparticles synthesized by co-precipitation, normal micelles and reverse micelles methods. 2012 , 324, 1854-1861	206

1315	Microwave assisted combustion synthesis of CdFe ₂ O ₄ : Magnetic and electrical properties. 2012 , 324, 2100-2107	64
1314	Novel structural and magnetic properties of Mg doped copper nanoferrites prepared by conventional and wet methods. 2012 , 324, 2199-2204	47
1313	Structural studies on the yttrium-doped cobalt ferrite powders synthesized by sol-gel combustion method. 2012 , 324, 2245-2248	19
1312	Structural and magnetic properties of nano-crystalline Ni _{1-x} Zn _x ferrites synthesized using egg-white precursor. 2012 , 324, 2258-2264	143
1311	Nanostructural, magnetic and Mössbauer studies of nanosized Co _{1-x} Zn _x Fe ₂ O ₄ synthesized by co-precipitation. 2012 , 324, 2397-2403	81
1310	Magnetic and dielectric response of cobalt-chromium spinel CoCr ₂ O ₄ in the terahertz frequency range. 2012 , 54, 350-359	28
1309	Controlled fabrication and electrical-magnetic properties of Poly(OT-co-AN)/Ba _{0.8} La _{0.2} Al ₂ Fe ₁₀ O ₁₉ composites. 2012 , 55, 6-15	3
1308	Synthesis, Structural, and Magnetic Characterization of Mn _{1-x} Ni _x Fe ₂ O ₄ Spinel Nanoferrites. 2012 , 25, 91-100	14
1307	A facile one-pot synthesis of polyaniline/magnetite nanocomposites by micelles-assisted method. 2013 , 3, 409-415	24
1306	Recyclable NiFe ₂ O ₄ @PTES/Pd Magnetic Nanocatalyst. 2013 , 23, 937-943	17
1305	Synthesis and Characterization of Catalytically Activity Fe ₃ O ₄ @Aminopropyl-triethoxysilane/Pd Nanocomposite. 2013 , 23, 409-417	31
1304	Colloidal stability, surface characterisation and intracellular accumulation of Rhodium(II) citrate coated superparamagnetic iron oxide nanoparticles in breast tumour: a promising platform for cancer therapy. 2013 , 15, 1	7
1303	Magnetic nanoparticle immobilized N-propylsulfamic acid: The chemoselective, efficient, green and reusable nanocatalyst for oxidation of sulfides to sulfoxides using H ₂ O ₂ under solvent-free conditions. 2013 , 378, 200-205	60
1302	Influence of Cr ³⁺ ion on the structural, ac conductivity and magnetic properties of nanocrystalline NiMg ferrite. 2013 , 39, 1807-1819	47
1301	Rietveld analysis of XRD patterns of different sizes of nanocrystalline cobalt ferrite. 2013 , 3, 1	144
1300	Structural and magnetic properties of ZnMg-ferrite nanoparticles prepared using the co-precipitation method. 2013 , 39, 5235-5239	79
1299	Magnetic and dielectric properties of Co _{1-x} Zn _x ferrite. 2013 , 178, 1040-1047	38
1298	Optimization of synthesis conditions and the study of magnetic and dielectric properties for MgFe ₂ O ₄ ferrite. 2013 , 11, 1330-1342	9

1297	Synthesis and physico-chemical property evaluation of PANI/NiFe ₂ O ₄ nanocomposite as electrodes for supercapacitors. 2013 , 553, 350-357	87
1296	Probing of field-induced structures and tunable rheological properties of surfactant capped magnetically polarizable nanofluids. 2013 , 29, 110-20	46
1295	Influence of Jahn-Teller Cu ²⁺ (3d ⁹) ion on structural and magnetic properties of Al ³⁺ co-substituted CuFe ₂ O ₄ . 2013 , 87, 1087-1092	5
1294	Effect of non-magnetic substitution on the structural and magnetic properties of spinel cobalt ferrite (CoFe _{2-x} Al _x O ₄) ceramics. 2013 , 24, 2706-2715	19
1293	Single source preparation of superparamagnetic Fe ₃ O ₄ nanoparticles by simple cyclic microwave approach. 2013 , 48, 3994-4001	8
1292	Synthesis, characterization and catalytic properties of magnetic nanoparticle supported guanidine in base catalyzed synthesis of hydroxyphosphonates and acetoxyphosphonates. 2013 , 467, 7-16	32
1291	Spin canting phenomenon in cadmium doped cobalt ferrites, CoCd _x Fe _{2-2x} O ₄ (x = 0.0, 0.2, 0.4, 0.6, 0.8 and 1.0), synthesized using sol-gel auto combustion method. 2013 , 36, 107-114	19
1290	Doping effect of Cr ³⁺ ions on the structural, magnetic and electrical properties of Co ²⁺ doped ferrites: A study on the redistribution of cations in CoCd _{0.4} Cr _x Fe _{1.6-0.4x} O ₄ (0.1 ≤ x ≤ 0.6) ferrites. 2013 , 139, 836-843	19
1289	Infrared spectral evolution, elastic, optical and thermodynamic properties study on mechanically milled Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ spinel ferrite. 2013 , 1049, 250-262	67
1288	Simple hydrothermal synthesis of Fe ₃ O ₄ -PEG nanocomposite. 2013 , 11, 1527-1532	16
1287	Controlling the composition and the magnetic properties of hexagonal Co ₂ Z ferrite powders synthesized using two different methods. 2013 , 112, 963-973	15
1286	Induction heating studies of combustion synthesized MgFe ₂ O ₄ nanoparticles for hyperthermia applications. 2013 , 332, 48-51	54
1285	Green synthesis of superparamagnetic Fe ₃ O ₄ nanoparticles with maltose: Its magnetic investigation. 2013 , 65, 282-287	59
1284	Synthesis of Mg _{0.48} Cu _{0.12} Zn _{0.40} Fe ₂ O ₄ ferrite and its aptness for multilayer chip component application. 2013 , 39, 3597-3601	15
1283	Effect of the La ³⁺ ions substitution on the magnetic properties of spinel Li-Zn-ferrites at low temperature. 2013 , 2, 356-361	21
1282	Effect of Tb ³⁺ substitution on structural, electrical and magnetic properties of sol-gel synthesized nanocrystalline nickel ferrite. 2013 , 578, 314-319	61
1281	Sol-gel auto combustion synthesis of CoFe ₂ O ₄ /1-methyl-2-pyrrolidone nanocomposite: Its magnetic characterization. 2013 , 39, 6407-6413	13
1280	Spectroscopic study of the vibrational modes of magnesium nickel chromite,. 2013 , 74, 985-990	26

1279	Study of structural and magnetic properties of (Co _{1-x} U) _x Fe ₂ O ₄ /PANI composites. 2013 , 141, 406-415	19
1278	Microwave combustion synthesis, structural, optical and magnetic properties of Zn _{1-x} Co _x Al ₂ O ₄ (0 ≤ x ≤ 0.5) spinel nanostructures. 2013 , 581, 558-566	54
1277	Infrared spectroscopic and electron paramagnetic resonance studies on Dy substituted magnesium ferrite. 2013 , 345, 255-260	56
1276	Magnetic ferrite nanoparticle-alginate composite: Synthesis, characterization and binary system dye removal. 2013 , 44, 322-330	112
1275	Non isothermal decomposition of lanthanum titanates precursors prepared by sol gel process: A kinetic and thermodynamic study. 2013 , 567, 35-39	1
1274	Electrochemical Reactivity with Lithium of Spinel-type ZnFe ₂ Cr _y O ₄ (0 ≤ y ≤ 2). 2013 , 117, 24213-24223	7
1273	Spin-filtering efficiency of ferrimagnetic spinels CoFe ₂ O ₄ and NiFe ₂ O ₄ . 2013 , 87,	59
1272	Influence of cobalt on structural and magnetic properties of nickel ferrite nanoparticles. 2013 , 1052, 177-182	88
1271	Extraordinary high dielectric constant, electrical and magnetic properties of ferrite nanoparticles at room temperature. 2013 , 15, 1	30
1270	Preparation and characterization of Co ²⁺ substituted LiDy ferrite ceramics. 2013 , 39, 5227-5234	27
1269	Synthesis and characterizations of Ni ²⁺ substituted cobalt ferrite nanoparticles. 2013 , 139, 364-374	78
1268	Structural properties of Cd _{1-x} Co _x ferrites. 2013 , 36, 919-922	6
1267	Influence of Zn ²⁺ doping on the structural and surface morphological properties of nanocrystalline Ni-Cu spinel ferrite. 2013 , 3, 1	14
1266	A selective nanocatalyst for an efficient Ugi reaction: Magnetically recoverable Cu(acac) ₂ /NH ₂ -T/SiO ₂ @Fe ₃ O ₄ nanoparticles. 2013 , 125, 1347-1357	12
1265	Influence of Al-substitution on structural, electrical and magnetic properties of Mn _{1-x} Zn _x ferrites nanopowders prepared via the sol-gel auto-combustion method. 2013 , 57, 105-111	50
1264	Effect of Zn-substitution on the structural and magnetic properties of Mn _{1-x} Zn _x ferrites synthesized from spent Zn _{1-x} batteries. 2013 , 348, 107-112	19
1263	Study of the structural, magnetic and electrical properties of Gd-substituted Mn _{1-x} Zn _x mixed ferrites. 2013 , 559, 174-180	69
1262	Chemical tuning of structure formation and combustion process in CoDy _{0.1} Fe _{1.9} O ₄ nanoparticles: influence@pH. 2013 , 15, 1	60

1261	Effect of samarium substitution on structural and magnetic properties of magnesium ferrite nanoparticles. 2013 , 348, 140-145	61
1260	Influence of Mn substitution on crystal structure and magnetocrystalline anisotropy of nanocrystalline $\text{Co}_{1-x}\text{Mn}_x\text{Fe}_2\text{O}_4$. 2013 , 3, 75-82	29
1259	Crystallographic, magnetic and electrical properties of $\text{Ni}_{0.5}\text{Cu}_{0.25}\text{Zn}_{0.25}\text{La}_x\text{Fe}_2\text{O}_4$ nanoparticles fabricated by sol-gel method. 2013 , 549, 213-220	74
1258	Preparation and characterization of spinel nickel ferrite obtained by the soft mechanochemically assisted synthesis. 2013 , 48, 404-415	25
1257	Effect of sintering temperature on electromagnetic properties of NiCuZn ferrite. 2013 , 39, 3077-3086	53
1256	Cation distribution by Rietveld technique and magnetocrystalline anisotropy of Zn substituted nanocrystalline cobalt ferrite. 2013 , 551, 72-81	86
1255	Effects of CTAB on magnetic properties of $\text{ZnLa}_{0.02}\text{Fe}_{1.98}\text{O}_4$ crystals. 2013 , 580, 321-326	5
1254	Correlation between structural, magnetic and electrical properties of nanocrystalline Al^{3+} substituted zinc ferrite. 2013 , 48, 2549-2556	44
1253	Synthesis of nanosize and sintered $\text{Mn}_{0.3}\text{Ni}_{0.3}\text{Zn}_{0.4}\text{Fe}_2\text{O}_4$ ferrite and their structural and dielectric studies. 2013 , 555, 225-231	37
1252	Synthesis, structural and magnetic properties of different metal ion substituted nanocrystalline zinc ferrite. 2013 , 3, 129-133	41
1251	Controlled synthesis of monodisperse CoFe_2O_4 nanoparticles by the phase transfer method and their catalytic activity on methylene blue discoloration with H_2O_2 . 2013 , 343, 126-132	37
1250	Synthesis, thermo-analytical and IR spectral studies of hydrazinated mixed metal carboxylates: A single source precursor to nanosize mixed metal oxides. 2013 , 556, 41-46	14
1249	Free energies of $(\text{Co}, \text{Fe}, \text{Ni}, \text{Zn})\text{Fe}_2\text{O}_4$ spinels and oxides in water at high temperatures and pressure from density functional theory: results for stoichiometric NiO and NiFe_2O_4 surfaces. 2013 , 25, 445008	42
1248	Fabrication of Cu^{2+} substituted nanocrystalline NiZn ferrite by solution combustion route: Investigations on structure, cation occupancy and magnetic behavior. 2013 , 553, 157-162	18
1247	Structural, magnetic and electrical properties of zinc doped nickel ferrite and their application in photo catalytic degradation of methylene blue. 2013 , 414, 83-90	117
1246	Preparation and properties of sol-gel synthesized Mg-substituted Ni_2Y hexagonal ferrites. 2013 , 39, 983-990	53
1245	Mechanochemical formation of superparamagnetic magnetite nanoparticles from ferrihydrite over a wide range of pH environments. 2013 , 140, 596-601	5
1244	Influence of chromium ion substitution on the structure and properties of zinc ferrite synthesized by the sol-gel auto-combustion method. 2013 , 56, 82-89	29

1243	Nanocrystalline/Nanosized Ni _{1-x} Fe _{2+x} O ₄ Ferrite Obtained by Contamination with Fe During Milling of NiO/Fe ₂ O ₃ Mixture. Structural and Magnetic Characterization. 2013 , 96, 469-475	15
1242	Mn ³⁺ substituted Co _{1-x} d ferrites, CoCd _{0.4} MnxFe _{1.6-x} O ₄ (0.1 ≤ x ≤ 0.6): Cation distribution, structural, magnetic and electrical properties. 2013 , 1038, 45-51	25
1241	Thermally driven spin and charge currents in thin NiFe ₂ O ₄ /Pt films. 2013 , 87,	99
1240	Structural and magnetic properties of Sn _x Zn doped BaCo ₂ Z-type hexaferrite powders prepared by citrate precursor method. 2013 , 337-338, 58-64	25
1239	Low-temperature synthesis of Mn _x Mg _{1-x} Fe ₂ O ₄ (x = 0-1) nanoparticles: cation distribution, structural and magnetic properties. 2013 , 46, 055303	30
1238	Influence of oxidizer to fuel ratio on structural and magnetic properties of Mn _x Zn ferrite nanoparticles. 2013 , 24, 3136-3141	4
1237	Polaron physics and crossover transition in magnetite probed by pressure-dependent infrared spectroscopy. 2013 , 25, 035602	5
1236	Influence of Ni ²⁺ substitution on the structural, dielectric and magnetic properties of Cu _x d ferrite nanoparticles. 2013 , 573, 198-204	17
1235	Biguanide/Pd(OAc) ₂ immobilized on magnetic nanoparticle as a recyclable catalyst for the heterogeneous Suzuki reaction in aqueous media. 2013 , 32, 86-91	68
1234	Synthesis, characterization and magnetic properties of Cr-substituted Co _x Zn ferrites nanopowders. 2013 , 1035, 341-347	32
1233	Mn-Zn nano-crystalline ferrites synthesized from spent Zn-C batteries using novel gelatin method. 2013 , 246-247, 227-33	25
1232	Sol-gel auto combustion synthesis of CoFe ₂ O ₄ /1-methyl-2-pyrrolidone nanocomposite with ethylene glycol: Its magnetic characterization. 2013 , 48, 3247-3253	21
1231	Polymer Assisted Co-precipitation Synthesis and Characterization of Polyethylene Glycol (PEG)/CoFe ₂ O ₄ Nanocomposite. 2013 , 23, 592-598	8
1230	Magnetic and structural properties of RE doped Co-ferrite (RE = Nd, Eu, and Gd) nano-particles synthesized by co-precipitation. 2013 , 345, 18-23	165
1229	Preparation and characterization of BaTiO ₃ +MgCuZnFe ₂ O ₄ nanocomposites. 2013 , 341, 112-117	14
1228	Size and compositionally controlled manganese ferrite nanoparticles with enhanced magnetization. 2013 , 15, 1	30
1227	Structural, Magnetic and Mössbauer evaluation of Mn substituted Co _x Zn ferrite nanoparticles synthesized by co-precipitation. 2013 , 334, 36-40	68
1226	Size dependent magnetic and dielectric properties of nano CoFe ₂ O ₄ prepared by a salt assisted gel-combustion method. 2013 , 113, 194101	99

1225	Intrinsic magnetic, structural and resistivity properties of ferromagnetic $Mn_{0.5}Zn_{0.5}Al_xFe_{2-x}O_4$ nanoparticles. 2013 , 48, 1189-1196	11
1224	Site occupancies of $Co/Mg/Cr/Fe$ ions and their impact on the properties of $Co_{0.5}Mg_{0.5}Cr_xFe_{2-x}O_4$. 2013 , 552, 443-450	28
1223	Structural and magnetic studies of $Mg_{(1-x)}Zn_xFe_2O_4$ nanoparticles prepared by a solution combustion method. 2013 , 578, 103-109	38
1222	Transferrin receptor-1 iron-acquisition pathway - synthesis, kinetics, thermodynamics and rapid cellular internalization of a holotransferrin-maghemite nanoparticle construct. 2013 , 1830, 4254-64	19
1221	Magnetic nanoparticle-supported guanidine as a highly recyclable and efficient nanocatalyst for the cyanosilylation of carbonyl compounds. 2013 , 3, 2140	51
1220	Elastic properties of nanocrystalline aluminum substituted nickel ferrites prepared by co-precipitation method. 2013 , 1038, 40-44	62
1219	Investigation of structural, dielectric, magnetic and antibacterial activity of $Cu_{1-x}Ni_xFe_2O_4$ nanoparticles. 2013 , 341, 148-157	12
1218	Permeability and magnetic interactions in Co^{2+} substituted $Li_{0.5}Fe_{2.5}O_4$ alloys. 2013 , 575, 145-151	29
1217	Multiwall carbon nanotubes decorated with $NiFe_2O_4$ magnetic nanoparticles, a new catalyst for voltammetric determination of cefixime. 2013 , 102, 687-93	64
1216	Infrared spectral and elastic moduli study of $NiFe_2-xCr_xO_4$ nanocrystalline ferrites. 2013 , 325, 107-111	55
1215	Cation distribution investigation and characterizations of $Ni_{1-x}CdxFe_2O_4$ nanoparticles synthesized by citrate gel process. 2013 , 1032, 105-110	24
1214	Characterization of carbon nanotubes decorated with $NiFe_2O_4$ magnetic nanoparticles as a novel electrochemical sensor: application for highly selective determination of sotalol using voltammetry. 2013 , 33, 202-8	36
1213	Raman and Fourier-transform infrared spectroscopic study of nanosized zinc ferrite irradiated with 200MeV Ag^{15+} beam. 2013 , 551, 370-375	44
1212	Structure-dielectric properties relationships in copper-substituted magnesium ferrites. 2013 , 48, 4647-4654	13
1211	Chemical tuning of the optical band gap in spinel ferrites: $CoFe_2O_4$ vs $NiFe_2O_4$. 2013 , 103, 082406	132
1210	Effect of neodymium substitution on structural and magnetic properties of magnesium ferrite nanoparticles. 2013 , 87, 025701	30
1209	Synthesis of metal ferrite (MFe_2O_4 , $M = Co, Cu, Mg, Ni, Zn$) nanoparticles as humidity sensor materials. 2013 , 8, 358-370	87
1208	Effect of Temperature of Synthesis on X-Ray, Infrared Spectroscopic Study and Magnetic Properties of Magnesium Zinc Ferrites. 2013 , 547, 57-69	1

1207	Structural, Electrical, and Magnetic Study of SrNi ₂ +(Li ₁ +Fe ₃) _{0.5} Fe ₁₆ O ₂₇ Ferrite. 2013 , 2013, 1-6	0
1206	Synthesis and Characterization of Co-Substituted Ferrite Nanocomposites. 2013 , 49, 26-29	8
1205	Preparation, Characterization and Properties of Flexible Magnetic Nanocomposites of NiFe ₂ O ₄ -polybenzoxazine-LLDPE. 2013 , 52, 1097-1105	8
1204	A comparative study of structural, electrical and magnetic properties of magnesium ferrite nanoparticles synthesised by sol-gel and co-precipitation techniques. 2013 , 8, 347-357	28
1203	Effect of Chromium Substitution on the Structural, Magnetic and Electrical Properties of Nano Crystalline Co _{0.6} Zn _{0.4} Cu _{0.2} Cr _x Fe _{1.8-x} O ₄ Ferrite. 2013 , 202, 173-192	2
1202	Magnetic ordering in nickel-zinc nanoferrite thin film formed by Langmuir Blodgett technique. 2013 , 103, 233102	1
1201	A facile one-step synthesis of PTSA-doped tetraaniline nanostructure/magnetite nanoparticles via self-assembly method. 2013 , 3, 1	2
1200	Spectroscopic Study of Al ³⁺ -Substituted Strontium Hexaferrite. 2013 , 2013, 1-4	3
1199	Effect of Samarium Substitution on the Structural and Magnetic Properties of Nanocrystalline Cobalt Ferrite. 2013 , 2013, 1-7	34
1198	Síntese e caracterizaçã de nanopartículas de NiFe ₂ O ₄ utilizando o método de sol-gel/combustã e combustã homogênea. 2013 , 18, 1323-1328	
1197	FTIR and EPR Studies of Nickel Substituted Nanostructured Mn Zn Ferrite. 2014 , 2014, 1-5	9
1196	Magnetic Parkia pendula seed gum as matrix for Concanavalin A lectin immobilization and its application in affinity purification. 2014 , 86, 1351-8	5
1195	MICROWAVE DIELECTRIC PROPERTIES OF Ni _{0.2} Cu _x Zn _{0.8-x} Fe ₂ O ₄ FOR APPLICATION IN ANTENNA. 2014 , 57, 157-175	19
1194	Facile synthesis, shape evolution and magnetic properties of polyhedral 50-facet Fe ₃ O ₄ nanocrystals partially enclosed by {311} high-index planes. 2014 , 16, 10451-10459	14
1193	Preparation and electrical properties of Ni _{0.2} Zn _{0.8} system doped with the magnesium oxide. 2014 , 28, 1450157	1
1192	Effect of particle size distribution on the structure, hyperfine, and magnetic properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanopowders. 2014 , 116, 233907	9
1191	Effects of Ultrasonic Agitation on the Structural and Magnetic Properties of CoFe ₂ O ₄ Nanocrystals. 2014 , 2014, 5603-5608	6
1190	Dielectric study of Al ³⁺ substituted Fe ₃ O ₄ ferrite nanoparticles. 2014 , 28, 1450193	3

1189	FTIR and VSM properties of samarium-doped nickel ferrite. 2014 , 07, 1450046	4
1188	Elastic properties of germanium substituted lithium ferrite. 2014 , 1075, 546-550	14
1187	Obtaining of Polyamide 6/Calcined Nickel Ferrite Composite from Different Temperatures. 2014 , 775-776, 107-111	
1186	Effect of Ho ³⁺ substitution on the cation distribution, crystal structure and magnetocrystalline anisotropy of nanocrystalline cobalt ferrite. 2014 , 9, 362-374	23
1185	Enhanced thermal stability of phosphate capped magnetite nanoparticles. 2014 , 115, 224304	22
1184	Probing of field-induced structures and their dynamics in ferrofluids using oscillatory rheology. 2014 , 30, 12171-9	23
1183	Evidence of electron-phonon and spin-phonon couplings at the Verwey transition in Fe ₃ O ₄ . 2014 , 90,	15
1182	Rapid, Microwave-Assisted, and One-Pot Synthesis of Magnetic Palladium-CoFe ₂ O ₄ -Graphene Composite Nanosheets and Their Applications as Recyclable Catalysts. 2014 , 31, 245-251	46
1181	Structural and Magnetic Studies on Chromium substituted Ni-Zn Nano Ferrite Synthesized by Citrate Gel Auto Combustion Method. 2014 , 27, 2735-2745	19
1180	Facile synthesis and characterization of polyethylenimine-coated Fe ₃ O ₄ superparamagnetic nanoparticles for cancer cell separation. 2014 , 9, 1080-4	48
1179	Experimental Investigation of the Coprecipitation Method: An Approach to Obtain Magnetite and Maghemite Nanoparticles with Improved Properties. 2014 , 2014, 1-10	57
1178	Characterization of modified magnetite nanoparticles for albumin immobilization. 2014 , 2014, 705068	59
1177	New scheme for cation distribution and electrical characterization of nanocrystalline aluminum doped magnesium ferrite MgAl _x Fe _{2-2x} O ₄ . 2014 , 436, 157-163	26
1176	Structural analysis and magnetic properties of nanocrystalline NiCuZn ferrites synthesized via a novel gelatin method. 2014 , 25, 457-461	29
1175	Synthesis, thermal and infrared spectroscopic studies of hydrazinated mixed metal fumarates. 2014 , 115, 375-381	6
1174	Studies of structural and magnetic properties of sol-gel synthesized cobalt substituted ZnMn chromites. 2014 , 25, 369-375	3
1173	Self-propagating high temperature synthesis, structural morphology and magnetic interactions in rare earth Ho ³⁺ doped CoFe ₂ O ₄ nanoparticles. 2014 , 604, 204-210	37
1172	Recycling spent zinc-carbon batteries through synthesizing nano-crystalline MnZn ferrites. 2014 , 258, 32-37	20

1171	Synthesis, structural investigation and magnetic properties of Zn ²⁺ substituted cobalt ferrite nanoparticles prepared by the sol-gel auto-combustion technique. 2014 , 358-359, 87-92	118
1170	Oleylamine as a beneficial agent for the synthesis of CoFe ₂ O ₄ nanoparticles with potential biomedical uses. 2014 , 43, 6377-88	49
1169	Evaluation of nickel ferrite nanoparticles coated with oleylamine by NMR relaxation measurements and magnetic hyperthermia. 2014 , 43, 3626-36	53
1168	The effect of cobalt substitution in crystal structure and vibrational modes of CuFe ₂ O ₄ powders obtained by polymeric precursor method. 2014 , 584, 573-580	36
1167	Impact of larger rare earth Pr ³⁺ ions on the physical properties of chemically derived Pr _x CoFe _{2-x} O ₄ nanoparticles. 2014 , 429, 20-26	50
1166	Characterization and cytotoxicity studies on liposome-hydrophobic magnetite hybrid colloids. 2014 , 425, 118-27	13
1165	Synthesis, characterization and catalytic activity of CoFe ₂ O ₄ -APTES-Pd magnetic recyclable catalyst. 2014 , 582, 201-207	33
1164	Structural, dielectric and electromagnetic shielding properties of Ni _{0.5} Cu nanoferrite/PVP composites. 2014 , 186, 1-6	29
1163	Substituted cobalt nano-ferrites, CoM _x Fe _{2-x} O ₄ (M=Cr ³⁺ , Ni ²⁺ , Cu ²⁺ , Zn ²⁺ ; 0.2 ≤ x ≤ 1.0) as heterogeneous catalysts for modified Fenton's reaction. 2014 , 40, 11845-11855	59
1162	In situ synthesis of manganese zinc ferrite nanoparticle/polymer hybrid nanocomposite from metal organics. 2014 , 49, 5093-5099	8
1161	Essence of superparamagnetism in cadmium ferrite induced by various organic fuels via novel solution combustion method. 2014 , 40, 12235-12243	19
1160	Structural, magnetic and electrical characterization of Mg _{0.5} Ni nano-crystalline ferrites prepared through egg-white precursor. 2014 , 363, 6-12	60
1159	Particle size dependence of magnetic features for Ni _{0.6-x} Cu _x Zn _{0.4} Fe ₂ O ₄ spinel nanoparticles. 2014 , 360, 41-47	16
1158	Structural and magnetic properties of Nd _{1-x} Mn substituted Y-type hexaferrites synthesized by microemulsion method. 2014 , 602, 122-129	21
1157	Fabrication of a Novel Biocompatible Magnetic Biomaterial with Hyperthermia Potential. 2014 , 97, 1115-1122	20
1156	Super-linear frequency dependence of ac conductivity in nanocrystalline lithium ferrite. 2014 , 146, 389-398	27
1155	Structural and magnetic properties of Ni _{1-x} Zn _x Fe ₂ O ₄ nano-crystalline ferrites prepared via novel chitosan method. 2014 , 1063, 269-273	41
1154	Influence of Cd ²⁺ ions on the structural, electrical, optical and magnetic properties of Co _{0.5} Zn nanoferrites prepared by sol gel auto combustion method. 2014 , 1071, 95-102	25

1153	Magnetic dilution effect of nano-crystalline NiFe ₂ O ₄ synthesized via sucrose-assisted combustion route. 2014 , 40, 675-681	24
1152	Cr-substitution effect on the structural and magnetic properties of nano-sized NiFe ₂ O ₄ prepared via novel chitosan route. 2014 , 356, 37-41	22
1151	Effect of solvent composition on the structural and magnetic properties of MnZn ferrite nanoparticles obtained by hydrothermal synthesis. 2014 , 17, 233-244	11
1150	Easily handling penicillin G acylase magnetic cross-linked enzymes aggregates: Catalytic and morphological studies. 2014 , 49, 38-46	34
1149	Complex exchange anisotropy behavior in Co ₃ O ₄ /Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ composite with different Co ₃ O ₄ content. 2014 , 51, 381-388	7
1148	Size Controlled Synthesis of CoFe ₂ O ₄ Nanoparticles with Polyethylene Glycol. 2014 , 27, 1309-1313	1
1147	Investigations on structural and optical properties of ZnO and ZnO:Co nanoparticles under dense electronic excitations. 2014 , 4, 62123-62131	58
1146	Structural and Magnetic Properties of Ultrafine Magnesium Ferrite Nanoparticles. 2014 , 938, 128-133	1
1145	Synthesis, characterization and magnetic properties of nanocrystalline Ni _{1-x} Zn _x Fe ₂ O ₄ spinels via coprecipitation precursor. 2014 , 28, 1450165	12
1144	Binder effect on the battery performance of mesoporous copper ferrite nanoparticles with grain boundaries as anode materials. 2014 , 4, 44089-44099	21
1143	Substitution effect on structural, electrical and magnetic properties of NiFe _{2-2x} Al _x Cr _x O ₄ (x = 0.0-0.6) nano-crystalline ferrites via oxalate precursor route. 2014 , 60, 433-440	8
1142	Sulfamic acid heterogenized on functionalized magnetic Fe ₃ O ₄ nanoparticles with diaminoglyoxime as a green, efficient and reusable catalyst for one-pot synthesis of substituted pyrroles in aqueous phase. 2014 , 28, 868-873	57
1141	Sol-gel synthesis of nanocrystalline Zn _{1-x} Ni _x Fe ₂ O ₄ ceramics and its structural, magnetic and dielectric properties. 2014 , 72, 615-626	32
1140	Structural and magnetic characterizations of Cd substituted nickel ferrite nanoparticles. 2014 , 40, 15569-15575	34
1139	Electrocatalytic activity of core/shell magnetic nanocomposite. 2014 , 463, 45-53	5
1138	Impact of the Presence of Octadecylamine on the Properties of Hydrothermally Prepared CoFe ₂ O ₄ Nanoparticles. 2014 , 2014, 3645-3656	10
1137	Structural and Magnetic properties of Ni _{0.5} Zn _{0.5} Al _x Fe _{2-x} O ₄ nano ferrite system. 2014 , 148, 585-591	36
1136	Self-ignited high temperature synthesis and enhanced super-exchange interactions of Ho(3+)-Mn(2+)-Fe(3+)-O(2-) ferromagnetic nanoparticles. 2014 , 16, 2347-57	112

1135	Synthesis and characterization of amine modified magnetite nanoparticles as carriers of curcumin-anticancer drug. 2014 , 266, 321-328	64
1134	Study of structural and magnetic properties of Nd doped zinc ferrites. 2014 , 369, 162-167	28
1133	Simultaneous synthesis of polyaniline nanorods and magnetite nanoparticles via self-assembly method. 2014 , 9, 491-500	4
1132	Tailored design of $\text{Co}_x\text{Mn}_{1-x}\text{Fe}_2\text{O}_4$ nanoferrites: a new route for dual control of size and magnetic properties. 2014 , 2, 5818-5828	40
1131	Structural, magnetic, dielectric and optical properties of nickel ferrite nanoparticles synthesized by co-precipitation method. 2014 , 1076, 55-62	208
1130	Effect of cobalt substitution on the structure, electrical, and magnetic properties of nanocrystalline $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ prepared by the polyol process. 2014 , 40, 16235-16244	18
1129	Fabrication of Z-type barium ferrite/silica composites with enhanced microwave absorption. 2014 , 57, 1858-1864	13
1128	Manganese substituted cobalt ferrites as efficient catalysts for H_2O_2 assisted degradation of cationic and anionic dyes: Their synthesis and characterization. 2014 , 486, 210-218	58
1127	Synthesis and characterization of magnetite and activated carbon binary composites. 2014 , 197, 8-17	28
1126	$\text{CoFe}_2\text{O}_4/\text{Pd}$ (0) Nanocomposite: Magnetically Recyclable Catalyst. 2014 , 27, 2041-2047	21
1125	Electrical Properties of Nanophase Ferrites Doped with Rare Earth Ions. 2014 , 27, 2083-2088	43
1124	High frequency dielectric response and magnetic studies of $\text{Zn}_{1-x}\text{Tb}_x\text{Fe}_2\text{O}_4$ nanocrystalline ferrites synthesized via micro-emulsion technique. 2014 , 360, 188-192	52
1123	Reducing the inversion degree of MnFe_2O_4 nanoparticles through synthesis to enhance magnetization: evaluation of their (1)H NMR relaxation and heating efficiency. 2014 , 43, 12754-65	60
1122	NiFe_2O_4 nanoparticles decorated with MWCNTs as a selective and sensitive electrochemical sensor for the determination of epinephrine using differential pulse voltammetry. 2014 , 6, 6885-6892	43
1121	Adsorption of folic acid, riboflavin, and ascorbic acid from aqueous samples by Fe_3O_4 magnetic nanoparticles using ionic liquid as modifier. 2014 , 6, 798-806	23
1120	MWCNTs decorated with $\text{Mn}_{0.8}\text{Zn}_{0.2}\text{Fe}_2\text{O}_4$ nanoparticles for removal of crystal-violet dye from aqueous solutions. 2014 , 255, 156-164	41
1119	Cation distribution and magnetic properties of nanocrystalline gallium substituted cobalt ferrite. 2014 , 615, 181-187	70
1118	Magneto-optical properties of $\text{Cu}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ nanoparticles. 2014 , 74, 184-197	39

1117	Synthesis and characterization of nano-crystalline Zn-substituted Mg _{1-x} Ni _x Fe ₂ O ₄ ferrites via surfactant-assisted route. 2014 , 1056-1057, 285-291	23
1116	Structural and microwave characterization of Ni _{0.2} Co _x Zn _{0.8-x} Fe ₂ O ₄ for antenna applications. 2014 , 40, 1575-1586	65
1115	Preparation and electrical properties of Ni _{0.6} Mn _{2.4-x} Sn _x O ₄ NTC ceramics. 2014 , 40, 4875-4878	11
1114	Structural, magnetic, and elastic properties of nanocrystalline Al-substituted Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ ferrite. 2014 , 40, 11773-11780	40
1113	Cr ³⁺ and Al ³⁺ co-substituted zinc ferrite: Structural analysis, magnetic and electrical properties. 2014 , 70, 110-118	29
1112	Structural, dielectric and magnetic properties of cobalt ferrite prepared using auto combustion and ceramic route. 2014 , 448, 53-56	46
1111	Synthesis of Zn _{1-x} Co _x Fe ₂ O ₄ /MWCNTs nanocomposites using reverse micelle method: Investigation of their structural, magnetic, electrical, optical and photocatalytic properties. 2014 , 444, 70-76	17
1110	Interplay of bulk and surface on the magnetic properties of low temperature synthesized nanocrystalline cubic Cu _{1-x} Zn _x Fe ₂ O ₄ (x=0.00, 0.02, 0.04 and 0.08). 2014 , 367, 19-32	21
1109	Structural, magnetic, and dielectric properties of nanocrystalline Cr-substituted Co _{0.8} Ni _{0.2} Fe ₂ O ₄ ferrite. 2014 , 40, 6127-6135	89
1108	Metal ions-based immunosensor for simultaneous determination of estradiol and diethylstilbestrol. 2014 , 52, 225-31	58
1107	Electrical and thermal behavior of PS/ferrite composite. 2014 , 369, 260-267	11
1106	Nickel-doped cobalt ferrite nanoparticles: efficient catalysts for the reduction of nitroaromatic compounds and photo-oxidative degradation of toxic dyes. 2014 , 6, 7959-70	159
1105	Synthesis of magnetic carbon nanotube and photocatalytic dye degradation ability. 2014 , 186, 5595-604	41
1104	Evaluation the Impact of Annealing on Phase Evolution, Microstructure, and Magnetic Properties of Nanocrystalline Ball-Milled LiSm Ferrite. 2014 , 43, 3618-3624	6
1103	Copper substitution effect on the structural properties of nickel ferrites. 2014 , 40, 14413-14419	49
1102	In situ controllable synthesis of magnetic Prussian blue/graphene oxide nanocomposites for removal of radioactive cesium in water. 2014 , 2, 326-332	172
1101	Structural Investigation and Functional Properties of Mg _x Ni _{1-x} Fe ₂ O ₄ Ferrites. 2014 , 97, 519-526	26
1100	Synthesis of PAA-g-PNIPAM well-defined graft polymer by sequential RAFT and SET-LRP and its application in preparing size-controlled super-paramagnetic Fe ₃ O ₄ nanoparticles as a stabilizer. 2014 , 55, 3703-3712	23

1099	Characterization of Al ³⁺ substituted lithium ferrite prepared by chemical method. 2014 , 611, 273-277	15
1098	How cobalt ions substitution changes the structure and dielectric properties of magnesium ferrite?. 2014 , 40, 13573-13578	37
1097	Size dependent electrical and magnetic properties of ZnFe ₂ O ₄ nanoparticles synthesized by the combustion method: Comparison between aspartic acid and glycine as fuels. 2014 , 354, 363-371	42
1096	Effect of aliphatic diamine length functionalized silica coated iron magnetic nanoparticles on metal capacity and speed of Cu(II) uptake from aqueous media. 2014 , 30, 823-31	1
1095	Structure and Magnetic Properties of Co, Mn, Mg, and Al Codoped Nickel Ferrites Prepared from Laterite Leaching Solutions. 2014 , 43, 1098-1100	6
1094	Thick films of magnesium zinc ferrite with lithium substitution: Structural characteristics. 2015 , 24, 78-82	11
1093	Structural and IR study of Ni _{0.5} Cd x Zn _{0.5} Fe ₂ O ₄ . 2015 , 24, 241-245	12
1092	New Trend for Acceleration Solid Phase Extraction Process Based on Using Magnetic Nano-adsorbents along with Surface Functionalization through Microwave Assisted Solvent-free Technique. 2015 , 31, 1047-54	4
1091	Microwave assisted combustion synthesis of nanocrystalline CoFe ₂ O ₄ for LPG sensing. 2015 ,	1
1090	Microwave-assisted synthesis and characterization of nickel ferrite nanoparticles. 2015 ,	0
1089	Grafting of diazonium salts on oxides surface: formation of aryl-O bonds on iron oxide nanoparticles. 2015 , 17, 1	16
1088	A comparative study on electrosprayed, layer-by-layer, and chemically grafted nanomembranes loaded with iron oxide nanoparticles. 2015 , 132, n/a-n/a	7
1087	Structural and vibrational studies of Ni _{1-x} Fe _{2-x} O ₄ ferrites (0 ≤ x ≤ 1). 2015 , 41, 11687-11692	29
1086	Electrical and Dielectric Relaxation Characterization of Ni _{1-x} Zn _x Ga _{0.5} Fe _{1.5} O ₄ . 2015 , 28, 2193-2201	1
1085	Characterization and immobilization of trypsin on tannic acid modified Fe ₃ O ₄ nanoparticles. 2015 , 128, 227-236	78
1084	One-pot synthesis of porphyrin functionalized γ-Fe ₂ O ₃ nanocomposites as peroxidase mimics for H ₂ O ₂ and glucose detection. 2015 , 55, 193-200	47
1083	Low temperature hydrothermal synthesis, structural investigation and functional properties of Co _x Mn _{1-x} Fe ₂ O ₄ . 2015 , 81, 233-242	23
1082	Effect of temperature on structural, morphological and magnetic properties of Cd _{0.7} Co _{0.3} Fe ₂ O ₄ nanoparticles. 2015 , 393, 132-138	6

- 1081 Sol-gel assisted synthesis of porous nano-crystalline CoFe₂O₄ composite and its application in the removal of brilliant blue-R from aqueous phase: An ecofriendly and economical approach. **2015**, 279, 416-424 42
- 1080 An investigation of structural and magnetic properties of Cr₂Zn ferrite nanoparticles prepared by a sol-gel process. **2015**, 5, 365-373 25
- 1079 Hydrothermal Synthesis and Magnetic Properties of Hexagonal Sr₃Co₂Fe₂₄O₄₁ Particles. **2015**, 51, 1-4
- 1078 Is it possible the substitution of Cr cations from spinel-type oxides with bulky rare-earth cations by sol-gel auto-combustion method?. **2015**, 651, 200-207
- 1077 Influence of Ca-Doping on Structural, Magnetic and Dielectric Properties of Ba₃Co₂-xCaxFe₂₄O₄₁ Hexaferrite Powders. **2015**, 241, 226-236 3
- 1076 Precursor combustion synthesis of nanocrystalline cobalt substituted nickel zinc ferrites from hydrazinated mixed metal fumarates. **2015**, 605, 16-21 12
- 1075 Composition and hydrophilicity control of Mn-doped ferrite (MnxFe₃-xO₄) nanoparticles induced by polyol differentiation. **2015**, 44, 5396-406 24
- 1074 Highly sensitive determination of nitrite using a carbon ionic liquid electrode modified with Fe₃O₄ magnetic nanoparticle. **2015**, 12, 1293-1301 17
- 1073 Synthesis and magnetostructural studies of amine functionalized superparamagnetic iron oxide nanoparticles. **2015**, 5, 18420-18428 22
- 1072 Effect of Cu²⁺ substitution on the structural and magnetic properties of Co ferrites. **2015**, 33, 1-8 25
- 1071 Cost effective preparation and characterization of nanocrystalline nickel ferrites (NiFe₂O₄) in low temperature regime. **2015**, 27, 176-181 47
- 1070 Structural, magnetic and dielectric studies of copper substituted nano-crystalline spinel magnesium zinc ferrite. **2015**, 633, 104-114 67
- 1069 Structural and magnetic study of Al³⁺ doped Ni_{0.75}Zn_{0.25}Fe₂Al_xO₄ nanoferrites. **2015**, 65, 183-194 29
- 1068 Magnetic Properties of Dysprosium-Doped Cobalt Ferrite Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method. **2015**, 28, 2097-2107 16
- 1067 Effect of sintering conditions on the structural, electrical, and magnetic properties of nanosized Co_{0.2}Ni_{0.3}Zn_{0.5}Fe₂O₄. **2015**, 41, 6212-6225 13
- 1066 Structural and Magnetic Properties of CoFe₂Gd_xO₄ (0.0 ≤ x ≤ 0.1) Spinel Ferrite Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method. **2015**, 28, 1797-1806 4
- 1065 CuFe₂O₄ magnetic heterogeneous nanocatalyst: Low power sonochemical-coprecipitation preparation and applications in synthesis of 4H-chromene-3-carbonitrile scaffolds. **2015**, 26, 229-240 45
- 1064 Novel ternary composites: Preparation, performance and application of ZnFe₂O₄/TiO₂/polyaniline. **2015**, 331, 108-114 29

1063	X-Ray and Infrared Studies on Superparamagnetic Ni _{1-x} Zn _x Ferrite Nanocrystals. 2015 , 28, 1759-1766	5
1062	Low temperature processing and magnetic properties of zinc ferrite nanoparticles. 2015 , 78, 190-200	23
1061	Room Temperature Ferromagnetism of Magnetically Recyclable Photocatalyst of Cu _{1-x} Mn _x Fe ₂ O ₄ -TiO ₂ (0.0 ≤ x ≤ 0.5) Nanocomposites. 2015 , 28, 1783-1795	95
1060	Raman and Mossbauer spectroscopy and X-ray diffractometry studies on quenched copper-ferri-aluminates. 2015 , 54, 1543-55	49
1059	Synthesis, structural and magnetic behavior studies of Zn _{1-x} Al _x substituted cobalt ferrite nanoparticles. 2015 , 1089, 25-31	36
1058	A highly stable and efficient magnetically recoverable and reusable Pd nanocatalyst in aqueous media heterogeneously catalysed Suzuki C _C cross-coupling reactions. 2015 , 29, 259-265	74
1057	Magnetic Properties of ZnFe ₂ O ₄ Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method. 2015 , 28, 1417-1423	21
1056	Ce-Substituted Co _{0.5} Ni _{0.5} Fe ₂ O ₄ : Structural, morphological, electrical, and dielectric properties. 2015 , 11, 100-108	13
1055	Synthesis of zinc substituted cobalt ferrites via reverse micelle technique involving in situ template formation: A study on their structural, magnetic, optical and catalytic properties. 2015 , 156, 188-197	60
1054	Photocatalytic reduction of chromate oxyanions on MMnFe ₂ O ₄ (M=Zn, Cd) nanoparticles. 2015 , 33, 189-198	13
1053	Adsorptive removal of heavy metals by magnetic nanoadsorbent: an equilibrium and thermodynamic study. 2015 , 5, 927-935	41
1052	Fabrication, characterization, and magnetic behavior of porous ZnFe ₂ O ₄ hollow microspheres. 2015 , 5, 53-59	10
1051	Spectroscopic and thermographic study of Ni _{1-x} Zn _x ferrites. 2015 , 119, 85-90	6
1050	Investigation of Cation Distribution and Microstructure of Nano Ferrites Prepared by Different Wet Methods. 2015 , 25, 1362-1372	22
1049	Cr-substituted Ni _{1-x} Zn _x ferrites via oxalate decomposition. Structural, electrical and magnetic properties. 2015 , 391, 108-115	38
1048	Design of green magneto-fluorescent γ-Fe ₂ O ₃ -methyl-dopa conjugate nanocrystal as a targeted probe for monitoring of esterase activity. 2015 , 149, 215-23	4
1047	Structural, thermoelectric power and magnetization measurements of Nd-doped Li _{1-x} Fe _x ferrite by combustion synthesis. 2015 , 90, 085805	2
1046	Structural, dielectric and magnetic properties of Gd substituted manganese ferrite nanoparticles. 2015 , 90, 085809	16

1045	Microwave assisted decoration of titanium oxide nanotubes with CuFe ₂ O ₄ quantum dots for solid phase extraction of uranium. 2015 , 5, 62414-62423	19
1044	Structural and Magnetic Properties of Ultrafine CoFe ₂ O ₄ Nanoparticles. 2015 , 10, 19-27	69
1043	Fabrication of a facile electrochemical biosensor for hydrogen peroxide using efficient catalysis of hemoglobin on the porous Pd@Fe ₃ O ₄ -MWCNT nanocomposite. 2015 , 74, 190-8	91
1042	Influence of calcination temperature on Cd _{0.3} Co _{0.7} Fe ₂ O ₄ nanoparticles: Structural, thermal and magnetic properties. 2015 , 394, 70-76	15
1041	Polyol synthesis of Mn ³⁺ substituted Fe ₃ O ₄ nanoparticles: Cation distribution, structural and electrical properties. 2015 , 85, 747-760	24
1040	Structural and Morphological Studies of Copper-Doped Nickel Ferrite. 2015 , 28, 3093-3098	9
1039	Influence of Y and La substitution on particle size, structural and magnetic properties of nanosized nickel ferrite prepared by using citrate precursor method. 2015 , 647, 419-426	20
1038	A general approach to the synthesis and detailed characterization of magnetic ferrite nanocubes. 2015 , 7, 12641-9	61
1037	Hydrothermal synthesis of magnetic wood composites and improved wood properties by precipitation with CoFe ₂ O ₄ /hydroxyapatite. 2015 , 5, 45919-45927	21
1036	Influence of pH and fuels on the combustion synthesis, structural, morphological, electrical and magnetic properties of CoFe ₂ O ₄ nanoparticles. 2015 , 71, 122-132	15
1035	Lanthanum ion (La ³⁺) substituted CoFe ₂ O ₄ anode material for lithium ion battery applications. 2015 , 39, 4601-4610	21
1034	Hollow ZnFe ₂ O ₄ /TiO ₂ composites: High-performance and recyclable visible-light photocatalyst. 2015 , 641, 110-118	69
1033	In situ growth of Prussian blue nanocrystal within Fe ³⁺ crosslinking PAA resin for radiocesium highly efficient and rapid separation from water. 2015 , 277, 40-47	33
1032	Effect of calcination temperature on cobalt substituted cadmium ferrite nanoparticles. 2015 , 26, 5078-5084	7
1031	Structural, Cation Distribution, and Magnetic Properties of CoFe ₂ O ₄ Spinel Ferrite Nanoparticles Synthesized Using a Starch-Assisted Sol-Gel Auto-Combustion Method. 2015 , 28, 1851-1861	22
1030	Rapid and facile preparation of zinc ferrite (ZnFe ₂ O ₄) oxide by microwave-solvothermal technique and its catalytic activity in heterogeneous photo-Fenton reaction. 2015 , 160, 141-147	49
1029	Nanocrystalline Zn _{1-x} Co _{0.5} Ni _{0.5} Fe ₂ O ₄ ferrites: Fabrication via co-precipitation route with enhanced magnetic and electrical properties. 2015 , 393, 56-61	40
1028	Synthesis and microwave-absorbing properties of Co ₃ Fe ₇ @C core-shell nanostructure. 2015 , 120, 43-52	21

1027	Structural and electromagnetic characterization of Cr-substituted Ni _{1-x} Zn _x ferrites synthesized via Egg-white route. 2015 , 1097, 45-51	23
1026	Microwave Assisted Synthesis and Characterization of Co _x Zn _{1-x} Cr _{0.5} Fe _{0.5} O ₄ Nanoparticles. 2015 , 25, 619-626	12
1025	A comparative study of in-situ mechanochemically synthesized Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ ferrite nanoparticles in the MnO/ZnO/Fe ₂ O ₃ and MnO ₂ /Zn/Fe ₂ O ₃ systems. 2015 , 41, 8070-8079	12
1024	Synthesis of magnetite-graphene oxide-layered double hydroxide composites and applications for the removal of Pb(II) and 2,4-dichlorophenoxyacetic acid from aqueous solutions. 2015 , 7, 7251-63	144
1023	Hibiscus rosa-sinensis Leaf Extracted Green Methods, Magneto-Optical and Catalytic Properties of Spinel CuFe ₂ O ₄ Nano- and Microstructures. 2015 , 25, 1019-1031	62
1022	Fabrication and magnetic properties of NiFe ₂ O ₄ nanofibers obtained by electrospinning. 2015 , 41, 8133-8141	21
1021	Synthesis and high-efficiency methylene blue adsorption of magnetic PAA/MnFe ₂ O ₄ nanocomposites. 2015 , 346, 348-353	76
1020	Manganese ferrite prepared using reverse micelle process: Structural and magnetic properties characterization. 2015 , 642, 70-77	34
1019	Influence of manganese substitution on structural and magnetic properties of CoFe ₂ O ₄ nanoparticles. 2015 , 639, 533-540	48
1018	Unveiling the Physicochemical Features of CoFe ₂ O ₄ Nanoparticles Synthesized via a Variant Hydrothermal Method: NMR Relaxometric Properties. 2015 , 119, 8336-8348	33
1017	Effect of high spin Mn ²⁺ /Mn ³⁺ ions on microstructural, optical, magnetic and electrical properties of hydrothermally prepared Ni _{1-x} Mg _x nanoferrites. 2015 , 29, 1550183	10
1016	Electrical and magnetic properties of nano-sized magnesium ferrite. 2015 , 73, 012094	0
1015	A comparative study on the effects of different milling atmospheres and sintering temperatures on the synthesis and magnetic behavior of spinel single phase Ni _{0.64} Zn _{0.36} Fe ₂ O ₄ nanocrystals. 2015 , 26, 7468-7483	17
1014	Ni _{1-x} Zn _x ferrite thick film gas sensors. 2015 , 26, 9016-9025	12
1013	Transferrin-bearing maghemite nano-constructs for biomedical applications. 2015 , 117, 17A336	11
1012	Growth of CoFe ₂ O ₄ particles on wood template using controlled hydrothermal method at low temperature. 2015 , 41, 14876-14885	6
1011	The role of pH on the particle size and magnetic consequence of cobalt ferrite. 2015 , 396, 288-294	61
1010	Structural and Magnetic Properties of NiCr _x Fe _{2-x} O ₄ Nanoparticles Synthesized via Microwave Method. 2015 , 28, 3405-3410	9

1009	Synthesis and Characterization of Metal (Mn,Zn) Ferrite Magnetic Nanoparticles. 2015 , 2, 923-927	17
1008	Comparison Study of Structural and Magnetic Properties of Magnesium-Substituted Nickel-Zinc Ferrites Synthesized by Solid-State and Sol-Gel Routes. 2015 , 28, 3599-3606	13
1007	Impact of Gd ³⁺ substitution on the structural, magnetic and electrical properties of cobalt ferrite nanoparticles. 2015 , 5, 73714-73725	148
1006	Enhanced Electrical and Magnetic Properties of Annealed Magnesium Ferrite Nanoparticles. 2015 , 28, 3607-3615	8
1005	Application of Response Surface Method for Optimization of Adsorptive Removal of Eriochrome Black T Using Magnetic Multi-Wall Carbon Nanotube Nanocomposite. 2015 , 40, 3363-3372	16
1004	Synthesis and Characterization of Nickel Ferrite (NiFe ₂ O ₄) Nanoparticles Prepared by Sol- Gel Method. 2015 , 2, 3750-3757	37
1003	Preparation and characterization of cetyltrimethylammonium bromide (CTAB)-stabilized Fe ₃ O ₄ nanoparticles for electrochemistry detection of citric acid. 2015 , 755, 158-166	30
1002	A comparative study for adsorption of lysozyme from aqueous samples onto Fe ₃ O ₄ magnetic nanoparticles using different ionic liquids as modifier. 2015 , 47, 2483-93	4
1001	Characterization and Synthesis of Magnetite Nanoparticles by Innovative Sonochemical Method. 2015 , 11, 265-269	34
1000	Solvothermal synthesis and characterization of monodisperse superparamagnetic iron oxide nanoparticles. 2015 , 379, 226-231	63
999	Improved structural and magnetic properties of cobalt nanoferrites: Influence of sintering temperature. 2015 , 41, 4492-4497	48
998	Fluorescent labelling of DNA on superparamagnetic nanoparticles by a perylene bisimide derivative for cell imaging. 2015 , 48, 86-93	10
997	Structural, magnetic and dielectric investigations in antimony doped nano-phased nickel-zinc ferrites. 2015 , 459, 97-104	31
996	Chiral oxo-vanadium (+)-pseudoephedrine complex immobilized on magnetic nanoparticles: A highly efficient and recyclable novel nanocatalyst for the chemoselective oxidation of sulfides to sulfoxides using H ₂ O ₂ . 2015 , 398, 170-176	33
995	Spectroscopy investigation of nanostructured nickel-zinc ferrite obtained by mechanochemical synthesis. 2015 , 63, 239-247	14
994	Mg-Co-Zn magnetic nanoferrites: Characterization and their use for remediation of textile wastewater. 2015 , 77, 134-151	21
993	Preparation and characterization of novel glass-ceramic tile with microwave absorption properties from iron ore tailings. 2015 , 378, 367-375	33
992	Electrical and optical properties of nickel ferrite/polyaniline nanocomposite. 2015 , 6, 555-62	98

991	Structural, magnetic and electrical properties of the lithium ferrite obtained by ball milling and heat treatment. 2015 , 5, 105-114	54
990	Synthesis and characterization of ultrafine and mesoporous structure of cobalt ferrite. 2015 , 21, 951-956	8
989	Magnetically palladium catalyst stabilized by diaminoglyoxime-functionalized magnetic Fe ₃ O ₄ nanoparticles as active and reusable catalyst for Suzuki coupling reactions. 2015 , 396, 216-223	104
988	Effect of Pr ³⁺ Substitution on Structural and Magnetic Properties of CoFe ₂ O ₄ Spinel Ferrite Nanoparticles. 2015 , 28, 241-248	8
987	Cation distribution of Ni/Cu substituted Li-ferrites. 2015 , 41, 1765-1770	19
986	. 2015 , 51, 1-8	2
985	Study on immobilization of yeast alcohol dehydrogenase on nanocrystalline Ni-Co ferrites as magnetic support. 2015 , 72, 1196-204	18
984	Synthesis and characterization of MgFe ₂ O ₄ nanoparticles prepared by hydrothermal decomposition of co-precipitated magnesium and iron hydroxides. 2015 , 41, 577-585	44
983	Magnetic Fe ₃ O ₄ @C nanoparticles modified with 1-(2-thiazolylazo)-2-naphthol as a novel solid-phase extraction sorbent for preconcentration of copper (II). 2015 , 182, 257-264	36
982	Fe ₃ O ₄ /SiO ₂ /(CH ₂) ₃ N+Me ₃ Br ₃ core-shell nanoparticles: A novel catalyst for the solvent-free synthesis of five- and six-membered heterocycles. 2015 , 63, 41-46	37
981	Amine functionalized magnetic carbon nanotube: synthesis and binary system dye removal. 2015 , 56, 107-120	4
980	MWCNTs decorated Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ : Synthesis, characterization and compositional effect on the structural and magnetic properties. 2015 , 374, 230-237	11
979	Microwave Synthesis of Co _x Mg _{1-x} Al ₂ O ₄ Seed for Pigment Application. 2016 , 65, 106-110	
978	Investigation of Structural, Morphological, Magnetic Properties and Biomedical applications of Cu ²⁺ Substituted Uncoated Cobalt Ferrite Nanoparticles. 2016 , 59,	23
977	Thermal Transformation and Characterization of Synthetic Al-Substituted Maghemites (γ-Fe _{2-x} Al _x O ₃). 2016 , 40,	1
976	Influence of Al ³⁺ doping on structural and magnetic properties of CoFe _{2-x} Al _x O ₄ Ferrite nanoparticles. 2016 , 688, 413-421	17
975	Magnetite/graphene/polyaniline composite for removal of aqueous hexavalent chromium. 2016 , 133,	14
974	Structure, crystallization and dielectric resonances in 2.43 GHz of waste-derived glass-ceramic. 2016 , 62, 56-70	3

973	Magnetoreflexion of light in CoFe ₂ O ₄ magnetostrictive spinel. 2016 , 104, 384-387	6
972	Structural, dielectric and AC conductivity studies of Zn substituted nickel ferrites prepared by combustion technique. 2016 , 27, 7062-7072	13
971	Synthesis of nano-crystalline NiFe ₂ O ₄ powders in subcritical and supercritical ethanol. 2016 , 113, 96-105	10
970	Surface modified spinel cobalt ferrite nanoparticles for cationic dye removal: Kinetics and thermodynamics studies. 2016 , 11, 152-161	34
969	Influence of Ni ²⁺ and Sn ⁴⁺ substitution on gas sensing behaviour of zinc ferrite thick films. 2016 , 20, 2363-2372	5
968	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. 2016 , 81, 63-70	19
967	Development of New Fluorescent Dyes by Using Amine Modified Nanoparticles for Immunostaining. 2016 , 46, 1779-1786	
966	Sucrose-Assisted Combustion Synthesis and Characterization of Zn-Substituted NiFe ₂ O ₄ Nanocrystals. 2016 , 52, 1-4	5
965	Investigation of magnesium substituted nano particle zinc ferrites for relative humidity sensors. 2016 , 244, 35-43	40
964	Preparation of thiol-functionalized magnetic sawdust composites as an adsorbent to remove heavy metal ions. 2016 , 6, 37600-37609	32
963	Enhanced microwave absorption properties in cobalt-zinc ferrite based nanocomposites. 2016 , 416, 10-14	34
962	Synthesis and characterization of zinc substituted nickel ferrite materials for L band antenna applications. 2016 , 27, 8247-8253	7
961	Synthesis of 2,6-dimethylpyrazine by dehydrocyclization of aqueous glycerol and 1,2-propanediamine over CuCrO catalyst: Rationalization of active sites by pyridine and formic acid adsorbed IR studies. 2016 , 193, 58-66	24
960	Impact of ignition temperature on particle size and magnetic properties of CoFe ₂ O ₄ nanoparticles prepared by self-propagated MILD combustion technique. 2016 , 418, 280-288	7
959	Magnetic Co _{0.5} Zn _{0.5} Fe ₂ O ₄ nanoparticle-modified polymeric g-C ₃ N ₄ sheets with enhanced photocatalytic performance for chloromycetin degradation. 2016 , 6, 48875-48883	17
958	A comparative study of different concentrations of pure Zn powder effects on synthesis, structure, magnetic and microwave-absorbing properties in mechanically-alloyed Ni _{1-x} Zn _x ferrite. 2016 , 96-97, 49-59	31
957	Role of Primary and Secondary Surfactant Layers on the Thermal Conductivity of Lauric Acid Coated Magnetite Nanofluids. 2016 , 120, 11640-11651	28
956	Influence of the stoichiometry and grain morphology on the magnetic properties of Co substituted Ni _{1-x} Zn _x nanoferrites. 2016 , 42, 17594-17604	11

955	Fabrication of spherical CoFe ₂ O ₄ nanoparticles via sol-gel and hydrothermal methods and investigation of their magnetorheological characteristics. 2016 , 6, 89510-89522	26
954	Study of ²²³ Ra uptake mechanism by Fe ₃ O ₄ nanoparticles: towards new prospective theranostic SPIONs. 2016 , 18, 1	44
953	Vacancy ordered γ -Fe ₂ O ₃ nanoparticles functionalized with nanohydroxyapatite: XRD, FTIR, TEM, XPS and Mössbauer studies. 2016 , 389, 721-734	79
952	The Effect of Cr ³⁺ Substitution on Magnetic Properties of CoFe ₂ O ₄ Nanoparticles Synthesized by Microwave Combustion Route. 2016 , 29, 2395-2400	2
951	Structural Rietveld refinement and vibrational study of MgCr _x Fe _{2-2x} O ₄ spinel ferrites. 2016 , 501, 38-44	26
950	Electrochemical determination of citalopram on new Schiff base functionalized magnetic Fe ₃ O ₄ nanoparticle/MWCNTs modified glassy carbon electrode. 2016 , 780, 160-168	18
949	Effect of phosphate and oleic acid capping on structure, magnetic properties and thermal stability of iron oxide nanoparticles. 2016 , 689, 959-968	32
948	Crystallization of MgFe ₂ O ₄ from a glass in the system K ₂ O/B ₂ O ₃ /MgO/P ₂ O ₅ /Fe ₂ O ₃ . 2016 , 60, 85-91	4
947	Investigation of optical, electrical and magnetic properties of cobalt ferrite nanoparticles by naive co-precipitation technique. 2016 , 127, 9917-9925	22
946	Betti base-modified magnetic nanoparticles as a novel basic nanocatalyst in Knoevenagel condensation and its related palladium nanocatalyst in Suzuki coupling reactions. 2016 , 30, 991-997	18
945	Effect of Cu ²⁺ substitution on structural and magnetic properties of Ni _{1-x} Zn _x ferrite nanopowders. 2016 , 27, 11447-11456	4
944	Surface interaction of ribonucleic acid constituents with spinel ferrite nanoparticles: a prebiotic chemistry experiment. 2016 , 6, 68574-68583	11
943	Cu ²⁺ and Al ³⁺ co-substituted cobalt ferrite: structural analysis, morphology and magnetic properties. 2016 , 39, 1029-1037	15
942	Structural, morphological and electrochemical supercapacitive properties of sprayed manganese ferrite thin film electrode. 2016 , 122, 224-229	22
941	A simple and versatile solvothermal configuration to synthesize superparamagnetic iron oxide nanoparticles using a coaxial microwave antenna. 2016 , 6, 104366-104374	9
940	A sandwich-type electrochemical immunosensor based on the biotin-streptavidin-biotin structure for detection of human immunoglobulin G. 2016 , 6, 22694	15
939	Selective separation of bifenthrin by pH-sensitive/magnetic molecularly imprinted polymers prepared by pickering emulsion polymerization. 2016 , 17, 1531-1539	3
938	Capacity assessment and potential for reuse of calcined Bofe bentonitic clay for adsorption of nickel. 2016 , 94, 1457-1465	1

937	Environment friendly synthesis of magnetite-graphene composite for adsorption of toxic chromium (VI) ions from drinking water. 2016 , 35, 700-705	11
936	Superparamagnetic Fe ₃ O ₄ Nanoparticles Decorated Multiwalled Carbon Nanotubes: Preparation via Cyclic Microwave Approach and Their Drug Release Behavior. 2016 , 27, 1017-1030	3
935	Role of Bi ³⁺ substitution on structural, magnetic and optical properties of cobalt spinel ferrite. 2016 , 122, 1	18
934	Role of Coupling Divalent and Tetravalent Metal Ions on the Elastic and Electric Properties of CoFe ₂ O ₄ Ferrites Prepared by Sol-Gel Method. 2016 , 29, 2635-2640	7
933	Magneto-structural studies of sol-gel synthesized nanocrystalline manganese substituted nickel ferrites. 2016 , 417, 407-412	16
932	Cation distribution and magnetic study of Cr-substituted lithium ferrites. 2016 , 27, 1574-1581	6
931	Influence of mechanical milling on structural and magnetic properties of Cu ²⁺ substituted MnFe ₂ O ₄ . 2016 , 90, 981-989	4
930	Structural and Magnetic study on Al substituted MgZn mixed ferrite powders prepared by Sol-Gel method. 2016 , 3, 1363-1369	1
929	Nanocrystalline/nanosized Fe ₃ O ₄ obtained by a combined route ceramic-mechanical milling. Effect of milling on the chemical composition, formation of phases and powder characteristics. 2016 , 27, 1588-1596	5
928	MgCuZnFe ₂ O ₄ + PbZrTiO ₃ Nanocomposites for EMI Applications. 2016 , 3, 1398-1408	
927	Experimental characterization of nanocrystalline niobium-doped nickel-zinc ferrites: occurrence of superparamagnetism. 2016 , 51, 8382-8399	6
926	Synthesis and structural characterization of magnetic cadmium sulfide-cobalt ferrite nanocomposite, and study of its activity for dyes degradation under ultrasound. 2016 , 1123, 171-179	19
925	Zn-Cr Co-Substitution Effect on Structural and Electromagnetic Properties of CuFe ₂ O ₄ via Oxalate Decomposition Route. 2016 , 13, 763-772	1
924	Role of Zn substitution on structural, magnetic and dielectric properties of Cu ²⁺ spinel ferrites. 2016 , 90, 869-880	5
923	Sol-gel synthesis and characterization of single-phase Co _{1-x} La _x Fe ₂ O ₄ ferrite nanoparticles dispersed in a SiO ₂ matrix. 2016 , 6, 12497-12503	4
922	Structural, morphological, magnetic and dielectric characterization of nano-phased antimony doped manganese zinc ferrites. 2016 , 92, 70-84	24
921	Synthesis, characterization and magnetic properties of MWCNTs decorated with Zn-substituted MnFe ₂ O ₄ nanoparticles using waste batteries extract. 2016 , 407, 175-181	15
920	Synthesis, structural, optical, electrical and Mössbauer spectroscopic studies of Co substituted Li _{0.5} Fe _{2.5} O ₄ . 2016 , 407, 17-23	18

919	Magnetic hyperthermia in phosphate coated iron oxide nanofluids. 2016 , 407, 101-113	81
918	Structural and magnetic characterization of co-precipitated Ni ₁ Zn ₁ Fe ₂ O ₄ ferrite nanoparticles. 2016 , 407, 135-141	58
917	Mechanosynthesis, structural, thermal and magnetic characteristics of oleic acid coated Fe ₃ O ₄ nanoparticles. 2016 , 171, 336-345	16
916	Effect of Different Gd ³⁺ Ion Content on the Electric and Magnetic Properties of Lithium Antimony Ferrite. 2016 , 26, 81-90	7
915	BaTiO ₃ /CoFe ₂ O ₄ /BaTiO ₃ trilayer composite thin films prepared by chemical solution deposition. 2016 , 36, 559-565	13
914	Study the effect of sintering temperature on structural, microstructural and electromagnetic properties of 10% Ca-doped Mn _{0.6} Zn _{0.4} Fe ₂ O ₄ . 2016 , 404, 238-249	29
913	Effect of GO-Fe ₃ O ₄ and rotating magnetic field on cellular metabolic activity of mammalian cells. 2016 , 30, 1392-406	8
912	Palladium stabilized by 3,4-dihydropyridine-functionalized magnetic Fe ₃ O ₄ nanoparticles as a reusable and efficient heterogeneous catalyst for Suzuki reactions. 2016 , 6, 27252-27259	84
911	Effect of 100 kGy γ -irradiation on the structural, electrical and magnetic properties of CoFe ₂ O ₄ NPs. 2016 , 676, 326-336	21
910	Soft template induced phase selective synthesis of Fe ₂ O ₃ nanomagnets: one step towards peroxidase-mimic activity allowing colorimetric sensing of thioglycolic acid. 2016 , 6, 32308-32318	30
909	Enhancement of magnetic properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanoparticles prepared by the co-precipitation method. 2016 , 42, 10664-10670	18
908	Lipase oriented-immobilized on dendrimer-coated magnetic multi-walled carbon nanotubes toward catalyzing biodiesel production from waste vegetable oil. 2016 , 178, 172-178	78
907	Effects of ZnO and NiO on material properties of microwave absorptive glass-ceramic tile derived from iron ore tailings. 2016 , 42, 8179-8189	16
906	Facile synthesis of Fe ₃ O ₄ nanoparticles decorated on 3D graphene aerogels as broad-spectrum sorbents for water treatment. 2016 , 369, 11-18	58
905	Cation Migration-Induced Crystal Phase Transformation in Copper Ferrite Nanoparticles and Their Magnetic Property. 2016 , 29, 759-769	20
904	RETRACTED: Influence of Ca ²⁺ doping on structural, dielectric and magnetic properties of Sr ₂ MgCo _{2-x} CaxFe ₂₄ O ₄₁ for potential antenna applications. 2016 , 42, 8869-8877	4
903	Fe ₃ O ₄ @SiO ₂ @polyionene/Br ₃ ⁻ core-shell magnetic nanoparticles: a novel catalyst for the synthesis of imidazole derivatives under solvent-free conditions. 2016 , 40, 4575-4587	34
902	Effect of cerium substitution on structural and magnetic properties of magnetite nanoparticles. 2016 , 169, 89-95	26

901	Development of multifunctional cobalt ferrite/graphene oxide nanocomposites for magnetic resonance imaging and controlled drug delivery. 2016 , 289, 150-160	142
900	Thiol and urea functionalized magnetic nanoparticles with highly enhanced loading capacity and thermal stability for lipase in transesterification. 2016 , 35, 224-230	23
899	Thermosensitive/magnetic molecularly imprinted polymers prepared by Pickering emulsion polymerization for selective separation of bifenthrin. 2016 , 57, 18927-18938	3
898	Substituted $\text{Co}_{1-x}\text{Zn}_x$ nanoferrites: synthesis, fundamental and redox catalytic properties for the degradation of methyl orange. 2016 , 6, 1360-1375	38
897	Surface modification of $\gamma\text{-Fe}_2\text{O}_3$ nanoparticles by grafting from poly-(hydroxyethylmethacrylate) and poly-(methacrylic acid): Qualitative and quantitative analysis of the polymeric coating. 2016 , 490, 222-231	11
896	Influence of Zn^{2+} ions on the structural and electrical properties of $\text{Mg}_{1-x}\text{Zn}_x\text{FeCrO}_4$ spinels. 2016 , 657, 733-747	40
895	Co/Cr co-doped MgGa_2O_4 nanoparticles: Microstructure and optical properties. 2016 , 73, 90-95	6
894	Influence of Bi-doping on $\text{Mn}_{1-x}\text{Bi}_x\text{Fe}_2\text{O}_4$ catalytic ozonation of di-n-butyl phthalate. 2016 , 283, 622-630	26
893	A simple sonochemical approach of Mn^{2+} doped ZnO nanopowder: structural, optical and magnetic studies. 2016 , 27, 191-197	5
892	Incorporation of Cr^{3+} ions in tuning the magnetic and transport properties of nano zinc ferrite. 2016 , 657, 95-108	4
891	The Magnetic, Mechanical, Thermal Properties and Uv Resistance of $\text{CoFe}_2\text{O}_4/\text{SiO}_2$ -Coated Film on Wood. 2016 , 36, 94-104	7
890	Microwave-enhanced catalytic degradation of p-nitrophenol in soil using MgFe_2O_4 . 2016 , 284, 54-60	54
889	$\text{MnCr}_x\text{Fe}_{2-x}\text{O}_4$ Nanoparticles: Magnetic and Microwave Absorption Properties. 2016 , 26, 134-141	9
888	Temperature and Frequency Dependence on Electrical Properties of $\text{Fe}_3\text{O}_4@$ Caffeic Acid Nanocomposite. 2016 , 26, 190-196	8
887	Effects on structural, optical, and magnetic properties of pure and Sr-substituted MgFe_2O_4 nanoparticles at different calcination temperatures. 2016 , 6, 629-639	52
886	Synthesis, characterization and application of pH-sensitive CoFe_2O_4 /reduced graphene oxide (RGO) nanocomposite in a circulated photocatalytic reactor for Reactive Red 141 removal of wastewaters. 2017 , 43, 4063-4078	7
885	Multi-stimuli responsive nanofluid with easy-to-visualize structural color patterns. 2017 , 518, 98-108	16
884	Role of Synthesis on Physical Properties of $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ Nanoferrite: A Comparative Study. 2017 , 30, 1609-1617	13

883	Influence of the type of fuel used for the solution combustion synthesis on the structure, morphology and magnetic properties of nanosized NiFe ₂ O ₄ . 2017 , 700, 272-283	33
882	Ferrimagnetic Ni ²⁺ doped Mg-Zn spinel ferrite nanoparticles for high density information storage. 2017 , 704, 7-17	102
881	Influence of Cr substitution on Debye-Waller factor and related structural parameters of ZnFe _{2-x} Cr _x O ₄ spinels. 2017 , 701, 474-486	8
880	Synthesis and characterization of nano-sized CoFe ₂ O ₄ via facile methods: A comparative study. 2017 , 89, 68-78	36
879	Inter-atomic bonding and dielectric polarization in Gd ³⁺ incorporated Co-Zn ferrite nanoparticles. 2017 , 510, 74-79	20
878	Green synthesis of Ni _{0.5} Ti _{0.5} Mg ferrite nanoparticles using tragacanth gum and their use as an efficient catalyst for the synthesis of polyhydroquinoline derivatives. 2017 , 82, 432-439	95
877	Effect of Cd ²⁺ concentration on ZnFe ₂ O ₄ nanoparticles on the structural, optical and magnetic properties. 2017 , 135, 190-199	29
876	Facile synthesis of mesoporous magnetic AMP polyhedric composites for rapid and highly efficient separation of Cs ⁺ from water. 2017 , 317, 533-543	17
875	Magnetic and catalytic properties of inverse spinel CuFe ₂ O ₄ nanoparticles. 2017 , 432, 437-443	45
874	Investigation on impedance response and dielectric relaxation of Ni-Zn ferrites prepared by self-combustion technique. 2017 , 706, 554-561	49
873	Structural and dielectric properties of Zr and Cu co-substituted Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ . 2017 , 432, 418-424	7
872	Structural, spectral, electrical, dielectric and magnetic properties of Yb doped SrNiCo-X hexagonal nano-structured ferrites. 2017 , 708, 903-910	38
871	Effect of mechanochemical synthesis on the structure, magnetic and optical behavior of Ni _{1-x} Zn _x Fe ₂ O ₄ spinel ferrites. 2017 , 43, 6192-6200	27
870	Studies on structural, optical and magnetic properties of cobalt substituted magnetite fluids (Co _x Fe _{1-x} Fe ₂ O ₄). 2017 , 4, 035906	14
869	Facile synthesis, dielectric properties and electrocatalytic activities of PMMA-NiFe ₂ O ₄ nanocomposite. 2017 , 193, 391-400	20
868	Influence of preparation method on structural, optical and magnetic properties of nickel ferrite nanoparticles. 2017 , 35, 58-65	16
867	Magnetic nanocomposite of multi-walled carbon nanotube as effective adsorbent for methyl violet removal from aqueous solutions: Response surface modeling and kinetic study. 2017 , 34, 1051-1061	25
866	Evolution of the structure, magnetic and optical properties of Ni _{1-x} Cu _x Fe ₂ O ₄ spinel ferrites prepared by soft mechanochemical method. 2017 , 712, 82-89	20

865	Green synthesis of Ni-Cu-Zn ferrite nanoparticles using tragacanth gum and their use as an efficient catalyst for the synthesis of polyhydroquinoline derivatives. 2017 , 31, e3823	59
864	A comparative study of physical properties in Fe ₃ O ₄ nanoparticles prepared by coprecipitation and citrate methods. 2017 , 100, 3577-3588	48
863	Preparation, spectroscopic and thermal analysis of hexa-hydrazine nickel cobalt ferrous succinate precursor and study of solid-state properties of its nanosized thermal product, Ni _{0.5} Co _{0.5} Fe ₂ O ₄ . 2017 , 128, 807-817	10
862	Synthesis, structural and complex impedance spectroscopy studies of Ni _{0.4} Co _{0.4} Mg _{0.2} Fe ₂ O ₄ spinel ferrite. 2017 , 90, 942-954	32
861	Fascinating improvement in physical properties of Cd/Co nanoferrites using different rare earth ions. 2017 , 28, 11482-11490	11
860	Doping of nematic cyanobiphenyl liquid crystals with mesogen-hybridized magnetic nanoparticles. 2017 , 19, 12127-12135	20
859	Effect of Cobalt Substitution on Structural and Magnetic Properties of Magnesium Ferrite Nanoparticles. 2017 , 289-297	3
858	Investigation of microstructure, electrical and photoluminescence behaviour of Ni-doped Zn _{0.96} Mn _{0.04} O nanoparticles: Effect of Ni concentration. 2017 , 69, 382-391	10
857	Studies on micro-structure and dc conductivity of polycrystalline Li _{0.5+0.5x} Si _x Fe _{2.5-1.5x} O ₄ spinel ferrites. 2017 , 317, 339-347	6
856	Influence of Mn Substitution on Mössbauer and Magnetic Properties of Ni-Zn Ferrite Nanoparticles. 2017 , 30, 3241-3246	12
855	Synthesis of activated carbon-nanomagnetite-pyrazolone(1-phenyl-3-methyl-5-pyrazolone) composite as adsorbent for Cd ²⁺ . 2017 , 58, 012003	
854	Polyaniline/Cadmium Ferrite Nanostructured Composite for Room-Temperature Liquefied Petroleum Gas Sensing. 2017 , 46, 5240-5247	12
853	Synthesis and characterization of Cu _{0.3} Zn _{0.5} Mg _{0.2} Fe ₂ O ₄ nanoparticles as a magnetic drug delivery system. 2017 , 439, 67-75	35
852	Magnetic properties and hyperfine interactions of Co _{1-2x} Ni _x Mn _x Fe ₂ O ₄ nanoparticles. 2017 , 43, 4746-4752	10
851	Dielectric properties evaluation of NiFe ₂ O ₄ /MWCNTs nanohybrid for microwave applications prepared via novel one step synthesis. 2017 , 43, 4090-4095	12
850	Investigation of Resistivity, Magnetic Susceptibility and Dielectric Properties of Nanocrystalline Ni-Mn-Zn Ferrites. 2017 , 30, 1287-1292	6
849	Size dependent mechanical and magnetic properties of Zn substituted cobalt ferrite below A-site percolation threshold. 2017 ,	
848	FTIR spectra and elastic properties of Cd-substituted Ni _{1-x} Zn _x ferrites. 2017 , 26, 33-39	14

847	Structural and Magnetic Studies of Nano-crystalline Ferrites MFe_2O_4 ($M = Zn, Ni, Cu, \text{ and } Co$) Synthesized Via Citrate Gel Autocombustion Method. 2017 , 30, 3523-3535	19
846	Effect of microwave sintering on synthesis and structural properties of nanocrystalline $Mg_{1-x}Ni_x$ ferrites. 2017 , 28, 11070-11077	6
845	Investigation of energy band gap and conduction mechanism of magnesium substituted nickel ferrite nanoparticles. 2017 , 214, 1700077	12
844	. 2017 , 53, 1-5	11
843	The effect of Y substitution on the structural, optical band-gap, and magnetic properties of cobalt ferrite nanoparticles. 2017 , 19, 16395-16405	37
842	Synthesis and Characterization of Magnetic Elastomer based PEG-Coated Fe_3O_4 from Natural Iron Sand. 2017 , 202, 012051	8
841	Structural, magnetic, optical, dielectric, electrical and modulus spectroscopic characteristics of $ZnFe_2O_4$ spinel ferrite nanoparticles synthesized via honey-mediated sol-gel combustion method. 2017 , 110, 87-99	70
840	Effect of Cu and Cation Redistribution on Structural and Magnetic Properties of Co-Mg Nanoferrite. 2017 , 30, 2621-2630	1
839	Sol-gel auto-combustion synthesize and characterization of a novel anticorrosive cobalt ferrite nanoparticles dispersed in silica matrix. 2017 , 28, 10495-10508	17
838	Synthesis of dihydrofurans using nano- $CuFe_2O_4@Chitosan$. 2017 , 21, 698-707	16
837	Caffeine: A novel green precursor for synthesis of magnetic $CoFeO$ nanoparticles and pH-sensitive magnetic alginate beads for drug delivery. 2017 , 76, 1085-1093	92
836	Structural, mechanical and elastic properties of $Ni_{0.7}Co_xZn_{0.3}Fe_2O_4$ nano-ferrite thick films. 2017 , 34, 57-63	12
835	Green synthesis using tragacanth gum and characterization of $Ni_{1-x}Cu_xZn$ ferrite nanoparticles as a magnetically separable photocatalyst for organic dyes degradation from aqueous solution under visible light. 2017 , 28, 10739-10746	23
834	Extraction and preconcentration of organophosphorus pesticides in water by using a polymethacrylate-based sorbent modified with magnetic nanoparticles. 2017 , 409, 3561-3571	18
833	Green synthesis of reduced graphene oxide/ Fe_3O_4/Ag ternary nanohybrid and its application as magnetically recoverable catalyst in the reduction of 4-nitrophenol. 2017 , 31, e3781	19
832	Comparative investigation on the structural, morphological, optical, and magnetic properties of $CoFe_2O_4$ nanoparticles. 2017 , 43, 7682-7689	34
831	Structural and Magnetic Studies of Cu-Substituted Nanocrystalline $Ni_{1-x}Zn_x$ Ferrites Obtained Via Hexamine Nitrate Combustion Route. 2017 , 30, 1447-1452	7
830	Influence of Sn^{4+} on Structural and DC Electrical Resistivity of Ni-Zn Ferrite Thick Films. 2017 , 46, 1427-1438	3

829	Preparation and characterization of polyol assisted ultrafine Cu _{0.5} Ni _{0.5} Mg _{0.5} Ca mixed ferrite via co-precipitation method. 2017 , 428, 382-389	12
828	Frequency and temperature effects on dielectric properties of cobalt ferrite. 2017 , 28, 5504-5511	13
827	Temperature and composition dependent density of states extracted using overlapping large polaron tunnelling model in Mn _x Co _{1-x} Fe ₂ O ₄ (x=0.25, 0.5, 0.75) nanoparticles. 2017 , 509, 76-83	13
826	A novel bio-sorbent comprising encapsulated Agrobacterium fabrum (SLAJ731) and iron oxide nanoparticles for removal of crude oil co-contaminant, lead Pb(II). 2017 , 5, 442-452	46
825	Magnetic Properties and Cation Distribution of Bimetallic (Mn _{0.5} Co _{0.5}) Doped NiFe ₂ O ₄ Nanoparticles. 2017 , 27, 1893-1900	13
824	Zn-Modified CuCr ₂ O ₄ as Stable and Active Catalyst for the Synthesis of 2,6-Dimethylpyrazine: Valorization of Crude Glycerol Obtained from a Biodiesel Plant. 2017 , 56, 11664-11671	3
823	Structural and electrical properties of Cu-doped Ni _{0.5} Zn _{0.5} nanocrystalline ferrites for MLCI applications. 2017 , 31, 1750318	7
822	Interesting structural transformation of CdS from zinc blende into wurtzite during minuscule loading of magnetic nanoparticles: emergence of heterojunctions with enhanced photocatalytic performance. 2017 , 41, 14088-14102	3
821	Influence of Nb ⁵⁺ doping in Mn _{0.5} Zn _{0.5} nanoferrites. 2017 , 4, 116106	1
820	Correlated vibrations of the tetrahedral and octahedral complexes and splitting of the absorption bands in FTIR spectra of Li-Zn ferrites. 2017 , 92, 267-272	79
819	Infrared magnetoreflexion in CoFe ₂ O ₄ single crystals. 2017 , 816, 012003	
818	Influence of cerium substitution on structural, magnetic and dielectric properties of nanocrystalline Ni _{0.5} Zn _{0.5} ferrites synthesized by combustion method. 2017 , 28, 17505-17515	7
817	Physical and magnetic properties of (Ba/Sr) substituted magnesium nano ferrites. 2017 , 123, 1	12
816	Composition dependent elastic and thermal properties of Li Zn ferrites. 2017 , 728, 1091-1100	45
815	Structural, AC conductivity, impedance and dielectric study of nanocrystalline MFe ₂ O ₄ (M = Mg, Co or Cu) spinel ferrites. 2017 , 28, 13168-13175	18
814	Influence of structural evolution on the magnetic behavior of the nanocrystals of Fe-doped ZnO synthesized by soft chemical route. 2017 , 123, 1	2
813	Efficient and Rapid Removal of Environmental Malignant Arsenic(III) and Industrial Dyes Using Reusable, Recoverable Ternary Iron Oxide - ORMOSIL - Reduced Graphene Oxide Composite. 2017 , 5, 5912-5921	28
812	Influence of functional group of dye on the adsorption behaviour of CoFe ₂ O ₄ nano-hollow spheres. 2017 , 41, 9095-9102	15

811	Influence of Zn concentration on the structural and magnetic properties of nanocrystalline $\text{Cu}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ mixed ferrites synthesized using novel combustion method. 2017 , 443, 334-342	9
810	Production of a generic magnetic Fe_3O_4 nanoparticles decorated tea waste composites for highly efficient sorption of Cu(II) and Zn(II) . 2017 , 5, 3656-3666	26
809	$\text{Fe}_2\text{O}_3/\text{SiO}_2$ Core-Shell Nanoparticles Conjugated With Bovine Serum Albumin. 2017 , 53, 1-6	3
808	The role of Lewis acid-Base pair sites in $\text{ZnO}/\text{ZnCr}_2\text{O}_4$ catalysts for cyclization via dehydrogenative condensation of crude glycerol and 1,2-propanediamine for the synthesis of 2,6-dimethylpyrazine. 2017 , 41, 9875-9883	10
807	Combustion synthesis, structure and magnetic properties of Li-Zn ferrite ceramic powders. 2017 , 43, 14431-14440	56
806	Preparation of magnetically recyclable palygorskite Fe-octacarboxylic acid phthalocyanine nano-composites and their photocatalytic behavior for degradation of Rhodamine B. 2017 , 147, 153-159	7
805	Growth and magnetic properties of $\text{Co}_0.6\text{Zn}_0.4\text{Fe}_{1.7}\text{Mn}_0.3\text{O}_4$ thin films on silicon. 2017 , 444, 23-28	2
804	Strain-magneto-optics of a magnetostrictive ferrimagnetic CoFe_2O_4 . 2017 , 263, 27-30	14
803	Influence of Ti^{4+} ion substitution on structural, electrical and dielectric properties of $\text{Li}_0.5\text{Fe}_2.5\text{O}_4$ nanoparticles. 2017 , 28, 17254-17261	16
802	Role of field-induced nanostructures, zippering and size polydispersity on effective thermal transport in magnetic fluids without significant viscosity enhancement. 2017 , 444, 29-42	24
801	Synthesis of Bis-Thiazolidinones Using Chitosan-attached Nano- CuFe_2O_4 as an Efficient and Retrievable Heterogeneous Catalyst. 2017 , 64, 1213-1219	12
800	Synthesis and characterization of MnO/NiO nanocomposites for photocatalysis of tetracycline antibiotic and modification with guanidine for carriers of Caffeic acid phenethyl ester-an anticancer drug. 2017 , 174, 235-242	33
799	Nanomaterial Fungicides: In Vitro and In Vivo Antimycotic Activity of Cobalt and Nickel Nanoferrites on Phytopathogenic Fungi. 2017 , 1, 1700041	28
798	Preparation of Co/Zn ferrite nano-based materials and their enhanced magnetic performance via inverse miniemulsion method. 2017 , 4, 116101	1
797	CuCr_2O_4 derived by the sol-gel method as a highly active and selective catalyst for the conversion of glycerol to 2,6-dimethylpyrazine: a benign and eco-friendly process. 2017 , 7, 3399-3407	12
796	An efficient one-pot synthesis of highly functionalized benzylpyrazolyl pyrido[1,2-a]pyrimidine derivatives using CuFe_2O_4 nanoparticles under solvent-free conditions. 2017 , 43, 6817-6833	7
795	Controllable synthesis $\text{FeO}@\text{POHABA}$ core-shell nanostructure as high-performance recyclable bifunctional magnetic antimicrobial agent. 2017 , 24, 19011-19020	5
794	Self-assembly and electrical characteristics of 4-pentynoic acid functionalized $\text{Fe}_3\text{O}_4/\text{Fe}_2\text{O}_3$ nanoparticles on $\text{SiO}_2/\text{n-Si}$. 2017 , 423, 236-244	5

793	Tailoring the nickel nanoparticles anchored on the surface of FeO@SiO spheres for nanocatalysis. 2017 , 28, 345601	13
792	Influence of Ca ²⁺ ions substitution on structural, microstructural, electrical and magnetic properties of Mg _{0.2} CaxMn _{0.5} Zn _{0.3} Fe ₂ O ₄ ferrites. 2017 , 28, 13185-13200	4
791	Structure and optical properties of Fe ₃ O ₄ nanoparticles synthesized by co-precipitation method with different organic modifiers. 2017 , 131, 148-156	78
790	Structural phases, magnetic properties and Maxwell-Wagner type relaxation of CoFe ₂ O ₄ /Sr ₂ Co ₂ Fe ₁₂ O ₂₂ ferrite composites. 2017 , 4, 076105	5
789	PSynthesis, characterization and electromagnetic properties of Zn-substituted CoFe ₂ O ₄ via sucrose assisted combustion route. 2017 , 426, 670-679	28
788	Nanostructured ferrite/graphene/polyaniline using for supercapacitor to enhance the capacitive behavior. 2017 , 21, 995-1005	29
787	Structural and magnetic properties of nanocrystalline Ni Zn ferrites: In the context of cationic distribution. 2017 , 696, 28-41	43
786	Nickel Ferrite Nanoparticle Generation by Combustion Method and the Nanoparticle Structural and Magnetic Characterization and the Effect of Ball Milling. 2017 , 53, 1-5	6
785	Structural characterization and antistructure modeling of cobalt-substituted zinc ferrites. 2017 , 694, 777-791	114
784	Modified structural and magnetic properties of nanocrystalline MnFe ₂ O ₄ by pH in capping agent free co-precipitation method. 2017 , 425, 31-36	21
783	Evaluation of superparamagnetic and biocompatible properties of mesoporous silica coated cobalt ferrite nanoparticles synthesized via microwave modified Pechini method. 2017 , 425, 48-56	40
782	Fabrication of an electrochemical sensor based on magnetic nanocomposite Fe ₃ O ₄ /Alanine/Pd modified glassy carbon electrode for determination of nanomolar level of clozapine in biological model and pharmaceutical samples. 2017 , 241, 879-886	31
781	Improvement of physico-mechanical properties of MgZn nanoferrites via Cr ³⁺ doping. 2017 , 422, 105-111	36
780	Structural and magnetic properties of calcium doped nickel ferrite nanoparticles by co-precipitation method. 2017 , 1127, 515-521	38
779	Effect of γ -rays irradiation on the structural, magnetic, and electrical properties of MgCuZn and NiCuZn ferrites. 2017 , 421, 355-367	25
778	Characterization of Nano-Particle Co _{1-x} Zn _x Fe ₂ O ₄ Synthesized Using Alove Vera Gel. 2017 , 30, 395-399	1
777	Structural, Spectroscopic and Magnetic Study of Nanocrystalline Cerium-Substituted Magnesium Ferrites. 2017 , 42, 389-398	24
776	Super-paramagnetic responsive silk fibroin/chitosan/magnetite scaffolds with tunable pore structures for bone tissue engineering applications. 2017 , 70, 736-744	83

775	Structural and magnetic properties of Mg doped cobalt ferrite nano particles prepared by sol-gel method. 2017 , 85, 228-233	53
774	Should the mass of a nanoferrite sample prepared by autocombustion method be considered as a realistic preparation parameter?. 2017 , 424, 267-274	2
773	Antibacterial properties of copper-substituted cobalt ferrite nanoparticles synthesized by co-precipitation method. 2017 , 30, 158-163	68
772	Synthesis and magnetic properties of octahedral Fe ₃ O ₄ via a one-pot hydrothermal route. 2017 , 381, 314-318	43
771	Studies on Electrical and Magnetic Properties of Mg-Substituted Nickel Ferrites. 2017 , 46, 188-198	45
770	Structural parameters and magnetic properties of copper ferrite nanopowders obtained by the sol-gel combustion. 2017 , 692, 705-712	24
769	Complex of TNF- α and Modified FeO Nanoparticles Suppresses Tumor Growth by Magnetic Induction Hyperthermia. 2017 , 32, 379-386	4
768	Synthesis of bis-spiropiperidines using nano-CuFe ₂ O ₄ @chitosan as a robust and retrievable heterogeneous catalyst. 2017 , 41, 416-419	5
767	Characterization of ferrite nanoparticles for preparation of biocomposites. 2017 , 8, 1257-1265	9
766	Magnetic Hybrid Nanosorbents for the Uptake of Paraquat from Water. 2017 , 7,	44
765	Copper-substituted spinel Zn-Mg ferrite nanoparticles as potential heating agents for hyperthermia. 2018 , 101, 3649-3661	21
764	Influence of Zn Substitution on Structural, Magnetic and Electrical Properties of MgFe ₂ O ₄ . 2018 , 47, 2997-3004	7
763	Polyaniline/Co _{0.6} Zn _{0.4} Fe ₂ O ₄ core-shell nano-composites. Synthesis, characterization and properties. 2018 , 747, 83-90	13
762	Environment-Friendly Mesoporous Magnetite Nanoparticles-Based Hydroelectric Cell. 2018 , 122, 5908-5916	30
761	Synthesis and Structural Characterization of Polymer-Based Cobalt Ferrite Nanocomposite with Core-Shell Structure. 2018 , 28, 1286-1293	10
760	Structural, dielectric and magnetic properties of particulate composites of relaxor (BaTi _{0.85} Sn _{0.15} O ₃) and ferrite (NiFe ₂ O ₄) synthesized by gel-combustion method. 2018 , 40, 257-269	10
759	Magnetic Core-Shell Nanoparticles Containing I ₃ ⁻ as a Novel Catalyst for the Facile Synthesis of Imidazole, Thiazole and Pyrimidine Derivatives in Solvent-Free Conditions. 2018 , 10, 1433-1441	5
758	Symmetry transition via tetravalent impurity and investigations on magnetic properties of Li _{0.5} Fe _{2.5} O ₄ . 2018 ,	8

757	Density functional theory study on the structures, electronic and magnetic properties of the MFe_3nO_{4n} ($n = 1B$) ($M=Mn, Co$ and Ni) clusters. 2018 , 5, 046105	5
756	AC susceptibility and Mossbauer study of Ce^{3+} ion substituted $SrFe_{12}O_{19}$ nanohexaferrites. 2018 , 44, 10470-10477	46
755	Beading of $Co_{1-x}Zn_xFe_2O_4$ nanoparticles on MWCNTs. synthesis characterization, effect of Zn-substitution and dye removal capability. 2018 , 213, 220-230	4
754	Microstructure, morphology, and methylene blue degradation over nano- $CuFe_2O_4$ synthesized by a modified complexometric method. 2018 , 54, 513-522	5
753	Strain induced magnetism and superexchange interaction in Cr substituted nanocrystalline cobalt ferrite. 2018 , 211, 54-64	31
752	Tuning magnetic and high frequency dielectric behavior in Li-Zn ferrites by Ho doping. 2018 , 44, 6321-6329	25
751	Effect of Mg-modified mesoporous Ni/Attapulgit catalysts on catalytic performance and resistance to carbon deposition for ethanol steam reforming. 2018 , 220, 32-46	45
750	Functionalised magnetic nanoparticles for uranium adsorption with ultra-high capacity and selectivity. 2018 , 6, 3063-3073	61
749	pH-Responsive Charge-Conversional and Hemolytic Activities of Magnetic Nanocomposite Particles for Cell-Targeted Hyperthermia. 2018 , 3, 961-972	11
748	$Fe_3O_4/ZnFe_2O_4$ micro/nanostructures and their heterogeneous efficient Fenton-like visible-light photocatalysis process. 2018 , 42, 3736-3747	15
747	Nd: YAG laser irradiation effects on structural and magnetic properties of $Ni_{1+x}Zr_xFe_2O_4$ nanoparticles. 2018 , 146, 96-104	1
746	Influence of Cu-Cr substitution on structural, morphological, electrical and magnetic properties of magnesium ferrite. 2018 , 8, 772-779	19
745	Evaluation of the superparamagnetic and biological properties of microwave assisted synthesized Zn & Cd doped $CoFe_2O_4$ nanoparticles via Pechini sol-gel method. 2018 , 85, 684-692	32
744	Effect of Preparation Conditions on the Structure and Magnetic Properties of Metal-Doped Magnesium Ferrites Synthesized From Laterite Leaching Solutions. 2018 , 31, 1475-1482	3
743	Effect of zinc substitution on the structural, electrical and magnetic properties of nano-structured $Ni_{0.5}Co_{0.5}Fe_2O_4$ ferrites. 2018 , 534, 83-89	16
742	Elastic properties and antistructural modeling for Nickel-Zinc ferrite-aluminates. 2018 , 207, 534-541	50
741	Influence of Mg substitution on structural, magnetic and dielectric properties of X-type barium zinc hexaferrites $Ba_2Zn_{2-x}Mg_xFe_{28}O_{46}$. 2018 , 741, 377-391	65
740	A magnetic nanocomposite produced from camel bones for an efficient adsorption of toxic metals from water. 2018 , 178, 293-304	82

739	Effect of Nd 3+ substitution on structural and magnetic properties of Mg-Gd ferrites synthesized by microwave sintering technique. 2018 , 36, 390-397	28
738	Tailoring magnetic and dielectric properties of Co _{0.9} Cu _{0.1} Fe ₂ O ₄ with substitution of small fractions of Gd ³⁺ ions. 2018 , 29, 5380-5390	2
737	Structural and elastic properties of nickel-zinc ferrite nano-particles doped with lithium. 2018 , 40, 1	12
736	Influence of Neodymium and gamma rays irradiation on structural electrical and magnetic properties of Co-Zn nanoferrites. 2018 , 214, 143-153	10
735	Li _{0.5} Ce _x Fe _{2.5-x} O ₄ (x = 0, 0.05): hydrothermal synthesis, electrical and magnetic properties. 2018 , 5, 055014	1
734	Comparison of magnetic properties and high-temperature phase stability of phosphate- and oleic acid-capped iron oxide nanoparticles. 2018 , 8, 593-608	6
733	Spectral, Electrical, Thermoelectrical and Dielectric Properties of (Zn,Zr) Co-doped CuFe ₂ O ₄ . 2018 , 31, 3733-3752	6
732	Magnetoreflexion and Magnetostriction in Ferrimagnetic Spinel CoFe ₂ O ₄ . 2018 , 126, 106-114	8
731	Synthesis of Iron Oxide Nanoclusters by Thermal Decomposition. 2018 , 34, 4640-4650	17
730	LyP-1-conjugated FeO nanoparticles suppress tumor growth by magnetic induction hyperthermia. 2018 , 29, 181-194	10
729	Synthesis of MFe ₂ O ₄ (M=Mg ²⁺ , Zn ²⁺ , Mn ²⁺) spinel ferrites and their structural, elastic and electron magnetic resonance properties. 2018 , 44, 10517-10524	41
728	XANES and EXAFS investigation of uranium incorporation on nZVI in the presence of phosphate. 2018 , 201, 764-771	59
727	Effect of Cr ³⁺ Ions Substitution on Structural and Magnetic Properties of Co Ferrite Nanoparticles. 2018 , 31, 387-394	2
726	Preparation and characterization of sulfonated polystyrene/magnetite nanocomposites for organic dye adsorption. 2018 , 27, 403-413	26
725	Composition dependence of structural, magnetic and electrical properties of Co substituted magnesium ferrite. 2018 , 528, 18-23	12
724	Performance of a Wideband Cadmium Ferrite Microstrip Patch Antenna in the X-Band Region. 2018 , 47, 577-584	3
723	Crystal field distortion of La ³⁺ ion-doped Mn-Cr ferrite. 2018 , 447, 15-20	22
722	Mechanisms of highly stabilized ex-situ oleic acid-modified iron oxide nanoparticles functionalized with 4-pentynoic acid. 2018 , 203, 212-222	21

7 ²¹	Structural, spectral, thermal and dielectric properties of Nd-Ni co-doped Sr-Ba-Cu hexagonal ferrites synthesized via sol-gel auto-combustion route. 2018 , 44, 605-612	17
7 ²⁰	Synthesis of magnetite derivatives nanoparticles and their application for the removal of chromium (VI) from aqueous solutions. 2018 , 512, 115-126	39
7 ¹⁹	Superior magnetic properties of Ni ferrite nanoparticles synthesized by capping agent-free one-step coprecipitation route at different pH values. 2018 , 449, 172-179	22
7 ¹⁸	Effect of Cu dopant on the structural, magnetic and electrical properties of Ni-Zn ferrites. 2018 , 98, 213-218	35
7 ¹⁷	Size-strain analysis and elastic properties of CoFe ₂ O ₄ nanoplatelets by hydrothermal method. 2018 , 1154, 418-427	23
7 ¹⁶	Optimised polyaniline/lead ferrite nanocomposite: synthesis, characterisation and alternating current response. 2018 , 75, 2475-2490	8
7 ¹⁵	Impact of Rare Earth Gd ³⁺ Ions on Structural and Magnetic Properties of Ni _{0.5} Zn _{0.5} Fe ₂ ·Gd _x O ₄ Spinel Ferrite: Useful for Advanced Spintronic Technologies. 2018 , 31, 1173-1182	8
7 ¹⁴	Effect of rare earth doping on the vibrational spectra of spinel Mn-Cr ferrite. 2018 , 97, 260-264	36
7 ¹³	Understanding the impacts of Al ³⁺ -substitutions on the enhancement of magnetic, dielectric and electrical behaviors of ceramic processed nickel-zinc mixed ferrites: FTIR assisted studies. 2018 , 97, 444-451	12
7 ¹²	Synthesis and in vitro evaluation of a novel magnetic drug delivery system; proecological method for the preparation of CoFe ₂ O ₄ nanostructures. 2018 , 249, 1151-1160	53
7 ¹¹	Effect of γ rays irradiation on structural, electrical and magnetic properties of Dy ³⁺ substituted nanocrystalline Ni-Zn ferrites. 2018 , 735, 2532-2543	7
7 ¹⁰	Intriguing structural and magnetic properties correlation study on Fe-substituted calcium-copper-titanate. 2018 , 20, 1914-1922	24
7 ⁰⁹	Microstructure, magnetic, optical and catalytic activity of LiCoO ₂ nanoferrites. 2018 , 29, 3856-3866	2
7 ⁰⁸	Effect of Dy ³⁺ substitution on structural and magnetic properties of nanocrystalline Ni-Cu-Zn ferrites. 2018 , 451, 665-675	21
7 ⁰⁷	Synthesis and electrochemical investigation of spinel cobalt ferrite magnetic nanoparticles for supercapacitor application. 2018 , 22, 835-847	50
7 ⁰⁶	The synthesis and the spectroscopic, thermal, and structural properties of the M ₂ [(fumarate)Ni(CN) ₄] ₂ (1,4-Dioxane) clathrate (M = Co, Ni, Cd and Hg). 2018 , 1155, 171-183	6
7 ⁰⁵	Construction of magnetically separable NiAl LDH/FeO-RGO nanocomposites with enhanced photocatalytic performance under visible light. 2017 , 20, 414-421	77
7 ⁰⁴	Role of Nd-Ni on structural, spectral and dielectric properties of strontium-barium based nano-sized X-type ferrites. 2018 , 44, 2968-2975	26

703	Synthesis and characterization of $(100-x) \text{Ba}_{0.82}\text{Sr}_{0.03}\text{Ca}_{0.15}\text{Zr}_{0.10}\text{Ti}_{0.90}\text{O}_{3+x}(\text{x}) \text{Mg}_{0.25}\text{Cu}_{0.25}\text{Zn}_{0.5}\text{Mn}_{0.05}\text{Fe}_{1.95}\text{O}_4$ composites with improved magnetoelectric voltage coefficient. 2018 , 735, 291-311	17
702	Substitution Effect on the Structural, Magnetic, and Electrical Properties of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ Nanocrystalline Ferrites ($x = 0-1$) Prepared via Gelatin Auto-Combustion Method. 2018 , 54, 1-12	13
701	Structural, Magnetic and Mossbauer Studies of Magnesium Ferrite Nanoparticles Prepared by Hydrothermal Method. 2018 , 17, 1760001	7
700	Correlation between the magnetic-microstructure and microwave mitigation ability of MCoFeO based ferrite-carbon black/PVA composites. 2018 , 20, 26431-26442	7
699	Facile fabrication of water-dispersible nanocomposites based on hexa-hexabenzocoronene and FeO for dual mode imaging (fluorescent/MR) and drug delivery.. 2018 , 8, 40554-40563	4
698	Investigation of structural, DC-resistivity and magnetic properties of Mg ferrite. 2018 , 5, 26460-26468	4
697	FTIR characterization of $\text{Bi}_2\text{Sr}_2\text{Ca}_n\text{-(Cu}_{1-x}\text{Fex})_3\text{O}_{10+n}$ with ($n=3, x = 0.01$) ceramic superconductor. 2018 ,	0
696	Light scattering from the critical modes of the Verwey transition in magnetite. 2018 , 98,	3
695	Ca^{2+} and Mg^{2+} incorporated barium hexaferrites: structural and magnetic properties. 2018 , 88, 628-638	34
694	Green Synthesis Using Tragacanth Gum and Characterization of $\text{Ni}_{1-x}\text{Zn}_x$ Ferrite Nanoparticles as a Magnetically Separable Catalyst for the Synthesis of Hexabenzylhexaazaisowurtzitane Under Ultrasonic Irradiation. 2018 , 59, 1730-1736	11
693	Sol-Gel Synthesis of Ce Sr Fe Zn O [0.40-0.45] Superparamagnetic Oxide Systems and Its Magnetic, Dielectric, and Drug Delivery Properties. 2018 , 3, 16509-16518	5
692	Configurations, electronic and spin properties of FeN adsorbed HNCO. 2018 , 32, 1850414	1
691	Effect of aluminium doping on structural, optical, photocatalytic and antibacterial activity on nickel ferrite nanoparticles by sol-gel auto-combustion method. 2018 , 29, 20395-20414	52
690	Facile polyol synthesis of ultrasmall water-soluble cobalt ferrite nanoparticles. 2018 , 86, 45-52	5
689	Elaboration, Characterization, and Magnetic Properties of $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ Nanoparticles of High Purity Using Molten Salts Technique. 2018 , 215, 1800469	16
688	Synergistic effect of heat treatment on structural, magnetic and dielectric properties of spinel ferrite nanoparticles. 2018 , 29, 20968-20977	7
687	Structural, Electrical, and IR Properties of $\text{Cu}_x\text{Co}_{1-x}\text{Fe}_2\text{O}_4$ ($x = 0, 0.4, 1.0$) Prepared by Solid-State Method. 2018 , 27, 174-179	3
686	Green synthesis, structural, magnetic, and dielectric characterization of $\text{NiZnFe}_2\text{O}_4/\text{C}$ nanocomposite. 2018 , 29, 18493-18501	20

685	Thermal conductivity studies on magnetite nanofluids coated with short-chain and long-chain fatty acid surfactants. 2018 , 41, 1	4
684	The role of Co ion substitution in SnFe ₂ O ₄ spinel ferrite nanoparticles: Study of structural, vibrational, magnetic and optical properties. 2018 , 44, 22092-22101	21
683	Magnetically Separable Catalysts for the Hydrolysis of Borohydrides. 2018 ,	1
682	Fast synthesis, structural, morphology with enhanced magnetic properties of cobalt doped nickel ferrite nanoscale. 2018 , 29, 12010-12021	10
681	Influence of Cu dope on the structural behavior of MgFe ₂ O ₄ at various temperatures. 2018 , 544, 73-78	6
680	Synthesis of magnetic functionalized MWCNT nanocomposite through surface RAFT co-polymerization of acrylic acid and N-isopropyl acrylamide for removal of cationic dyes from aqueous solutions. 2018 , 161, 34-44	25
679	MWCNT decorated MnFe ₂ O ₄ nanoparticles as an efficient photo-catalyst for phenol degradation. 2018 , 29, 12231-12240	9
678	Preparation and characterization of a novel nanocomposite with double enzymes immobilized on magnetic FeO-chitosan-sodium tripolyphosphate. 2018 , 169, 280-288	16
677	Synthesis and evaluation of layered double hydroxide/doxycycline and cobalt ferrite/chitosan nanohybrid efficacy on gram positive and gram negative bacteria. 2018 , 91, 361-371	37
676	Effect of Cr dopant on the structural, magnetic and dielectric properties of Cu-Zn nanoferrites. 2018 , 465, 176-185	34
675	Synthesis, characterization and antimicrobial activity of AgFeO ₂ delafossite. 2018 , 29, 11699-11711	21
674	Structural and electron spin resonance spectroscopic studies of Mn _x Zn _{1-x} Fe ₂ O ₄ (x = 0.5, 0.6, 0.7) nanoferrites synthesized by sol-gel auto combustion method. 2018 , 466, 60-68	31
673	Structural and electrical properties of nickel substituted cadmium ferrite. 2018 ,	2
672	Elucidation of microwave absorption mechanisms in Co ²⁺ substituted Ba ²⁺ hexaferrites in X-band. 2018 , 29, 14995-15005	17
671	Influence of cobalt substitution on structural, optical, electrical and magnetic properties of nanosized lithium ferrite. 2018 , 29, 16507-16515	9
670	Rietveld, cation distribution and elastic investigations of nanocrystalline Li _{0.5+0.5x} Zr _x Fe _{2.5-1.5x} O ₄ synthesized via sol-gel route. 2018 , 547, 64-71	15
669	Effect of lattice strain on structural, magnetic and dielectric properties of sol-gel synthesized nanocrystalline Ce ³⁺ substituted nickel ferrite. 2018 , 29, 15006-15021	22
668	Synthesis and characterisation of Fe ₃ O ₄ at MPTMS at Au nanocomposite by sol-gel method for the removal of methylene blue. 2018 , 13, 979-984	3

667	Tailoring of structural and magnetic properties by substitution of copper in cobalt chromium ferrites. 2018 , 44, 17709-17715	6
666	Hydrothermal synthesis of nickel doped cobalt ferrite nanoparticles: optical and magnetic properties. 2018 , 29, 14657-14667	39
665	Effect of lattice strain on structure, morphology and magneto-dielectric properties of spinel NiGdxFe2-xO4 ferrite nano-crystallites synthesized by sol-gel route. 2018 , 466, 238-251	108
664	Role of Ni concentration on structural and magnetic properties of inverse spinel Ferrite. 2018 , 107, 60-65	15
663	Influence of chain length of long-chain fatty acid surfactant on the thermal conductivity of magnetite nanofluids in a magnetic field. 2018 , 555, 525-531	18
662	Structural and dielectric studies of Zr and Co co-substituted Ni0.5Zn0.5Fe2O4 using sol-gel auto combustion method. 2018 , 9, 1417-1424	5
661	A simple synthesis of magnetic ammonium 12-molybdophosphate/graphene oxide nanocomposites for rapid separation of Cs+ from water. 2018 , 318, 955-966	4
660	Magnetic nickel ferrite nanoparticles: Green synthesis by Urtica and therapeutic effect of frequency magnetic field on creating cytotoxic response in neural cell lines. 2018 , 172, 244-253	61
659	Effect of surfactants (PVB/EDTA/CTAB) assisted sol-gel synthesis on structural, magnetic and dielectric properties of NiFe2O4 nanoparticles. 2018 , 44, 22068-22079	37
658	Heterogeneous Fenton oxidation of Orange II using iron nanoparticles supported on natural and functionalized figue fiber. 2018 , 6, 4178-4188	5
657	Multifunctional mixed valence N-doped CNT@MFeO hybrid nanomaterials: from engineered one-pot coprecipitation to application in energy storage paper supercapacitors. 2018 , 10, 12820-12840	16
656	Reassess study of high temperature electric transport properties of PbTiO3. 2019 , 770, 308-319	6
655	Study of the Effect of Pr Doping on Structural, Morphological and Magnetic Properties of Nickel Ferrite. 2019 , 32, 1027-1033	4
654	Miniaturization of long-term evolution antenna fostered by NiMnxFe2-xO4 nano composite coating. 2019 , 6, 096307	
653	Multivariate Optimization for Preconcentration and Separation of Brilliant Green using Magnetite Nanoparticles Functionalized by Cetyltrimethylammonium Bromide. 2019 , 74, 744-755	0
652	Exploring the Structural, Thermal and Dielectric Properties of PVA/Ni0.5Zn0.5Fe2O4 Composites. 2019 , 48, 6797-6806	18
651	Tunability of localization length in naphthalene sulfonic acid doped polyaniline/nickel ferrite composite nanorods system. 2019 , 126, 035102	0
650	Structure, morphology, and magnetic properties of NiFe2O4 powder prepared by molten salt method. 2019 , 355, 708-715	10

649	Ultrathin magnetic Mg-Al LDH photocatalyst for enhanced CO reduction: Fabrication and mechanism. 2019 , 555, 1-10	40
648	Role of graphene on structural, dielectric and magnetic properties of CoFe ₂ O ₄ nanoparticles. 2019 , 30, 14464-14479	1
647	Copper ferrite nanoparticles as nutritive supplement for cucumber plants grown under hydroponic system. 2019 , 42, 1645-1659	11
646	Unique structural and magnetic traits of Nd ³⁺ -substituted Co ₂ Zn nanoferrites. 2019 , 37, 1108-1115	6
645	Structural, microstructural and magnetic properties of sol-gel-synthesized novel BaZrO ₃ /CoFe ₂ O ₄ nanocomposite. 2019 , 9, 163-173	12
644	The impact of carbon nanotubes on the optical, electrical, and magnetic parameters of Ni ²⁺ and Co ²⁺ based spinel ferrites. 2019 , 45, 21150-21161	23
643	Magnetic, Pseudocapacitive, and HO-Electrosensing Properties of Self-Assembled Superparamagnetic CoZnFeO with Enhanced Saturation Magnetization. 2019 , 4, 12632-12646	4
642	Synthesis, structural, microstructural and electromagnetic properties of (1-x)[Ni _{0.25} Cu _{0.15} Zn _{0.60} Fe ₂ O ₄] + (x)[Na _{1/3} Ca _{1/3} Bi _{1/3} Cu ₃ Ti ₄ O ₁₂] composites. 2019 , 30, 15388-15412	1
641	Low cost micro-emulsion route synthesis of Cr-substituted MnFe ₂ O ₄ nanoparticles. 2019 , 45, 22316-22323	20
640	Structural and Dielectric Properties of Combustion-Synthesized Mn-Zn Nanoferrites. 2019 , 28, 132-136	4
639	Rietveld refinement and FTIR spectroscopic studies of Ni ²⁺ -substituted Zn-ferrite nanoparticles. 2019 , 125, 1	8
638	Metal oxide nanoparticles as catalyst for thermal behavior of AN based composite solid propellant. 2019 , 730, 600-607	11
637	Removal of Phenolic Compounds from Water Using Copper Ferrite Nanosphere Composites as Fenton Catalysts. 2019 , 9,	13
636	Influence of Ta ₂ O ₅ additive on the structural, optical and magnetic properties of Ni-Cu-Zn nanocrystalline spinel ferrites. 2019 , 6, 096103	1
635	Synthesis and characterization of magnetic zinc-copper ferrites: Antibacterial activity, photodegradation study and heavy metals removal evaluation. 2019 , 236, 121808	12
634	Functional properties of Ho ³⁺ substituted cobalt ferrite in the context of the reduced mass model. 2019 , 575, 411676	8
633	Investigation of structural and magnetic properties of Ni _x Zn _{1-x} Fe ₂ O ₄ /SiO ₂ (0 ≤ x ≤ 1) spinel-based nanocomposites. 2019 , 144, 104713	27
632	Corroboration and efficacy of Magneto-Fluorescent (NiZnFe/CdS) Nanostructures Prepared using Differently Processed Core. 2019 , 9, 15138	9

631	Structural changes, magnetic properties and dielectric behaviour of Tb ³⁺ doped Ni-Cd mixed ferrites. 2019 ,	1
630	Structural Characterization, Magnetic Properties, and Heating Power of Nickel Ferrite Nanoparticles. 2019 , 55, 1-7	5
629	Physical Properties of Nickel Ferrite Nanoparticles at different annealing temperature Prepared by Sol-Gel Technique. 2019 , 18, 1753-1759	2
628	Microstructure effect on the structural, interfacial and magnetic properties of particulate composite and 0-3 core shell composite. 2019 , 1253, 012017	1
627	CoFe ₂ O ₄ /MWCNTs nano-composites structural, thermal, magnetic, electrical properties and dye removal capability. 2019 , 6, 105059	5
626	A Novel Immunosensing Method Based on the Capture and Enzymatic Release of Sandwich-Type Covalently Conjugated Thionine-Gold Nanoparticles as a New Fluorescence Label Used for Ultrasensitive Detection of Hepatitis B Virus Surface Antigen. 2019 , 4, 15323-15336	5
625	Rare earth (Er ³⁺) doped nickel zinc ferrite: Additional effects in structural and dielectric properties. 2019 ,	2
624	Structural and magnetic properties of silica-coated magnetite nanoaggregates. 2019 , 572, 214-219	9
623	Effect of Gd Doping on the Structural and Magnetic Properties of Ni-Cu-Zn-Fe ₂ O ₄ . 2019 , 75, 304-308	2
622	Transition metal doped cobalt ferrite nanoparticles: Efficient photocatalyst for photodegradation of textile dye. 2019 , 14, 453-460	14
621	Experimental comparison of structural, magnetic and elastic properties of M _{0.3} Cu _{0.2} Zn _{0.5} Fe ₂ O ₄ (M = Cu, Mn, Fe, Co, Ni, Mg) nanoparticles. 2019 , 125, 1	20
620	Enhanced magnetic Properties of MgFe ₂ O ₄ nanoparticles. 2019 , 8, 310-314	5
619	Preparation and characterization of Mn ₂ Zn ferrites via nano-in-situ composite method. 2019 , 98, 106006	5
618	Structural, morphological and magnetic properties of Ni _{0.5} Co ferrites by the Mn ²⁺ ions substitution. 2019 , 30, 18729-18743	6
617	Enhanced photocatalytic performance of Ru-doped spinel nanoferrites for treating recalcitrant organic pollutants in wastewater. 2019 , 92, 760-774	9
616	Structural Rietveld Refinement and Vibrational Study of M-Type BaFe ₁₂ O ₁₉ Nanoparticles. 2019 , 8, 476-483	10
615	Enhanced degradation of sulfadiazine by novel Alaninediacetic acid-modified FeO nanocomposite coupled with peroxymonosulfate. 2019 , 662, 490-500	18
614	NiFe ₂ O ₄ nanoparticles/MWCNTs nano hybrid as anode material for lithium-ion battery. 2019 , 45, 8486-8493	30

613	Effect Cr ³⁺ Ion Substitution on the Structural, Magnetic, and Dielectric Behavior of Co _{0.5} Zn _{0.5} Ferrite. 2019 , 32, 3655-3669	6
612	Effect of Gd ³⁺ , Pr ³⁺ or Sm ³⁺ -substituted cobalt-zinc ferrite on photodegradation of methyl orange and cytotoxicity tests. 2019 , 37, 1288-1295	44
611	Role of nanoparticle interaction in magnetic heating. 2019 , 9, 1034-1040	3
610	The effect of gadolinium substitution in inverse spinel nickel ferrite: Structural, Magnetic, and Mössbauer study. 2019 , 802, 609-619	26
609	Highly transparent Mg _{0.27} Al _{2.58} O _{3.73} N _{0.27} ceramic fabricated by aqueous gelcasting, pressureless sintering, and post-HIP. 2019 , 102, 6507-6516	7
608	Characterization of texture and magnetic properties of Ni _{0.5} Zn _{0.5} Ti Fe ₂ O ₄ spinel ferrites. 2019 , 489, 165411	16
607	Structural, optical and magnetic properties of Mn _x Fe _{3-x} O ₄ nanoferrites synthesized by a simple capping agent-free coprecipitation route. 2019 , 245, 55-62	5
606	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. 2019 , 134, 105-114	29
605	Oriented-assembly of hierarchical Fe ₃ O ₄ @CuSiO ₃ microchains towards efficient separation of histidine-rich proteins. 2019 , 286, 207-213	25
604	Effect of La ³⁺ substitution on structural and magnetic parameters of Ni _{0.5} Zn _{0.5} nano-ferrites. 2019 , 9, 119-128	19
603	Structural, Thermal, Magnetic and Electrical Properties of Polyaniline/CoFe ₂ O ₄ Nano-composites with Special Reference to the Dye Removal Capability. 2019 , 29, 2197-2213	8
602	Preparation of novel magnetic grafted raft agent nanocomposite: Application in carmine dye adsorptive removal from waste water. 2019 , 7, 103109	8
601	Effect of Cr ³⁺ Substitution on the Structural, Electrical and Magnetic Properties of Ni _{0.7} Zn _{0.2} Cu _{0.1} Fe _{2-x} Cr _x O ₄ Ferrites. 2019 , 74, 684-694	2
600	Carbon decorated octahedral shaped Fe ₃ O ₄ and Fe ₂ O ₃ magnetic hybrid nanomaterials for next generation supercapacitor applications. 2019 , 485, 147-157	47
599	Synthesis and deciphering the effects of sintering temperature on structural, elastic, dielectric, electric and magnetic properties of magnetic Ni _{0.25} Cu _{0.13} Zn _{0.62} Fe ₂ O ₄ ceramics. 2019 , 30, 10722-10741	18
598	Observation of c-CuFe ₂ O ₄ nanoparticles of the same crystallite size in different nanocomposite materials: The influence of Fe ³⁺ cations. 2019 , 275, 187-196	14
597	Correlation Between Structural, Magnetic and Dielectric Properties of Microwave Sintered Ni-Zn-Al Nanoferrites. 2019 , 32, 3525-3534	5
596	Relaxation time enhancement of cobalt zinc nanoferrites via Cr ³⁺ doping. 2019 , 792, 626-637	22

595	Cobalt ferrite supported on reduced graphene oxide as a contrast agent for magnetic resonance imaging.. 2019 , 9, 6299-6309	18
594	Highly efficient removal of toxic lead ions from aqueous solutions using a new magnetic metal-organic framework nanocomposite. 2019 , 66, 1327-1335	3
593	Synthesis and characterization of magnetic nanoparticles from raffinate of industrial copper solvent extraction plants. 2019 , 229, 372-379	9
592	Polyol-Mediated Coprecipitation and Aminosilane Grafting of Superparamagnetic, Spinel ZnFe ₂ O ₄ Nanoparticles for Room-Temperature Ethanol Sensors. 2019 , 166, B258-B265	13
591	Amine functionalized magnetic iron oxide nanoparticles: Synthesis, antibacterial activity and rapid removal of Congo red dye. 2019 , 282, 428-440	58
590	Physicochemical Characterization and Biocompatibility of SPION@Plasmonic @Chitosan Core-Shell Nanocomposite Biosynthesized from Fungus Species. 2019 , 2019, 1-11	5
589	Thermal Conductivity of Oxide Scale Thermally Grown on Iron Substrate Corrected by Temperature-dependent Interfacial Thermal Resistance in Laser Flash Measurement. 2019 , 59, 398-403	6
588	Piperazine-functionalized nickel ferrite nanoparticles as efficient and reusable catalysts for the solvent-free synthesis of 2-amino-4H-chromenes. 2019 , 66, 1356-1362	6
587	Structural and magnetic studies on polycrystalline Ni doped ZnV ₂ O ₄ . 2019 , 563, 101-106	5
586	Magnetic properties of Zn _x Fe _{3-x} O ₄ nanoparticles: A competition between the effects of size and Zn doping level. 2019 , 482, 206-218	23
585	The adsorption mechanism and electronic properties of FeO@NCO clusters. 2019 , 33, 1950112	1
584	The configurations, electronic and spin of FeO-adsorbed HCNO. 2019 , 33, 1950037	1
583	Rare-earth (La ³⁺) substitution induced changes in the structural, dielectric and magnetic properties of nano-CoFe ₂ O ₄ for high-frequency and magneto-recording devices. 2019 , 125, 1	12
582	XRD and FTIR analysis of bismuth substituted cobalt ferrite synthesized by co-precipitation method. 2019 , 1153, 012057	2
581	Synthesis, magnetic and optical properties and photocatalytic activity of the polyacrylamide decorated CaFe ₂ O ₄ microspheres for photocatalytic degradation of organic wastewater. 2019 , 6, 075525	3
580	Synthesis of cobalt/calcium nanoferrites with controllable physical properties. 2019 , 125, 1	2
579	New magnetic nanobiocomposite CoFe ₂ O ₄ @methycellulose: facile synthesis, characterization, and photocatalytic degradation of metronidazole. 2019 , 30, 8595-8610	33
578	Variation in structural and mechanical properties of Cd-doped Co-Zn ferrites. 2019 , 2, 455-462	15

577	Structural and magnetic properties of CuFe ₂ O ₄ ferrite nanoparticles synthesized by cow urine assisted combustion method. 2019 , 484, 120-125	38
576	Self-cooling device based on thermomagnetic effect of Mn _x Zn _{1-x} Fe ₂ O ₄ (x = 0.3, 0.4, 0.5, 0.6, 0.7)/ferrofluid. 2019 , 30, 9322-9333	10
575	Evaluation of polyol-made Gd ³⁺ -substituted Co _{0.6} Zn _{0.4} Fe ₂ O ₄ nanoparticles as high magnetization MRI negative contrast agents. 2019 , 4, 4-23	1
574	The impact of yttrium cations (Y ³⁺) on structural, spectral and dielectric properties of spinel manganese ferrite nanoparticles. 2019 , 45, 10936-10942	36
573	Ni and Mn simultaneously doped ZnO nanoparticles under Ar ambiance: Structural and optical characterization. 2019 , 15, 148-156	2
572	The structures and electronic properties of ferrous nitride/fulminic acid clusters. 2019 , 92, 360-366	4
571	Effect of Aluminum Doping on Structural and Mechanical Properties of Ni/Mg Ferrites. 2019 , 28, 271-273	3
570	Strain-magneto-optics in ferrite-spinel [new magneto-optical phenomena associated with magnetoelastic interactions. 2019 , 1389, 012108	
569	Study of structural and electrical properties along with magnetic properties of Ni _{0.5-x} Mg _x Cu _{0.2} Cd _{0.3} Fe ₂ O ₄ nanoferrites synthesized by employing sol-gel auto-combustion method. 2019 , 30, 20801-20815	3
568	Effect of Ni substitution on structural, optical and magnetic properties of ferrite nanoparticles synthesized by co-precipitation route. 2019 , 251, 114442	3
567	Structural, electrical and magnetic properties of Sr doped nickel ferrite using sol-gel auto combustion route. 2019 ,	2
566	Synthesis and Characterization of Nickel-Based Cobalt Ferrite Nanopowder. 2019 , 388, 1900026	
565	Mesoporous Layered Graphene Oxide/FeO/CNS Polymer Hybrids for Rapid Removal of Pb and Cd from Water. 2019 , 4, 19683-19692	4
564	Synthesis and Characterisation of Copper Substituted Cobalt Ferrite Nanoparticles by Sol-Gel Auto Combustion Route. 2019 , 577, 012059	4
563	Synthesis and Characterization of Copper doped Nickel ferrite Prepared by Sol-gel Method. 2019 , 18, 3651-3656	3
562	Investigation of the structural, optical, elastic and electrical properties of spinel LiZnFeO nanoparticles annealed at two distinct temperatures.. 2019 , 9, 40940-40955	25
561	Effect of nano-transition metal oxides of Fe, Co and Ni and ferrites of Co and Ni on the multistage thermal decomposition of oxalates of Ce(III). 2019 , 136, 549-563	4
560	Solvent evaporation driven entrapment of magnetic nanoparticles in mesoporous frame for designing a highly efficient MRI contrast probe. 2019 , 464, 567-576	9

559	Comparative studies on the impact of synthesis methods on structural, optical, magnetic and catalytic properties of CuFe ₂ O ₄ . 2019 , 45, 6535-6540	22
558	Prussian blue derived metal oxides/graphene foam as anode materials for high-performance lithium-ion batteries. 2019 , 30, 982-990	9
557	Impact of magnesium substitution in nickel ferrite: Optical and electrochemical studies. 2019 , 108, 100-104	10
556	Spin canting and surface spin disorder in Ni substituted Co-Cd ferrite nanoparticles synthesized by fuel deficient combustion method. 2019 , 782, 392-403	9
555	Effect of bimetallic (Ca, Mg) substitution on magneto-optical properties of NiFe ₂ O ₄ nanoparticles. 2019 , 45, 6021-6029	57
554	Synthesis, structural, morphological, electrical and magnetic properties of (1-x) [Ni _{0.35} Cu _{0.15} Zn _{0.50} Mn _{0.05} Fe _{1.95} O ₄] + (x) [Rice husk ash] composites. 2019 , 112, 182-193	9
553	Magneto-optical properties of rare earth metals substituted Co-Zn spinel nanoferrites. 2019 , 45, 3449-3458	72
552	Determination of ferromagnetic, superparamagnetic and paramagnetic components of magnetization and the effect of magnesium substitution on structural, magnetic and hyperfine properties of zinc ferrite nanoparticles. 2019 , 475, 160-170	21
551	Catalytic Ozonation of Melanoidin in Aqueous Solution over CoFe ₂ O ₄ Catalyst. 2019 , 22,	3
550	Magneto-structural properties and photocatalytic performance of sol-gel synthesized cobalt substituted Ni Cu ferrites for degradation of methylene blue under sunlight. 2019 , 554, 79-85	8
549	Effect of magnesium deficiency on magnetic properties tuning and cation redistributions of magnesium ferrite nanoparticles. 2019 , 30, 786-796	12
548	Magnetic and structural characterization of Nb ³⁺ -substituted CoFe ₂ O ₄ nanoparticles. 2019 , 45, 8222-8232	66
547	Structural, magnetic and catalytical properties of cobalt ferrite nanoparticles dispersed in silica matrix. 2019 , 6, 045055	8
546	Hyaluronic acid tethered pH-responsive alloy-drug nanoconjugates for multimodal therapy of glioblastoma: An intranasal route approach. 2019 , 98, 419-436	27
545	Observation of anomalous site occupancy in Ni-Co-Cu-Cr ferrite system synthesized by sol-gel method. 2019 , 556, 175-182	4
544	XRD, EDX, FTIR and ESR spectroscopic studies of co-precipitated Mn ^{II} substituted Zn ^{II} ferrite nanoparticles. 2019 , 45, 8037-8044	47
543	Binary nanocomposite of Fe ₃ O ₄ /MWCNTs for adsorption of Reactive Violet 2: Taguchi design, kinetics and equilibrium isotherms. 2019 , 27, 305-316	5
542	Cation distribution in nanocrystalline cobalt substituted nickel ferrites: X-ray diffraction and Raman spectroscopic investigations. 2019 , 129, 298-306	38

541	Co ²⁺ Substituted ZnCuFe ₂ O ₄ (0.0 to 0.5) Ferrites: Synthesis, Magneto-structural and Optical Properties for Their Photocatalytic Performance. 2019 , 32, 2551-2558	4
540	Chronopotentiometric/chronoamperometric transient analysis of naproxen via electrochemically synthesized nano spinel ZnFe ₂ O ₄ films. 2019 , 832, 59-68	6
539	Synthesis and characterization of biocompatible ferrofluid based on magnetite nanoparticles and its effect on immunoglobulin G as an immune protein. 2019 , 273, 326-338	10
538	Structural, thermal and magnetic investigations of cobalt ferrite doped with Zn ²⁺ and Cd ²⁺ synthesized by auto combustion method. 2019 , 474, 505-511	33
537	Polyionene/Br ₃ Grafted on Magnetic Nanoparticles as an Efficient and Eco-Friendly Catalyst for the Metal Free Synthesis of 3,4-Dihydropyrimidin-2(1H)-Ones/Thiones. 2019 , 11, 1593-1609	3
536	Physical characterization and uptake of iron oxide nanoparticles of different prostate cancer cells. 2019 , 473, 205-214	11
535	Magnetic interactions and electrical properties of Tb ³⁺ substituted NiCuZn ferrites. 2019 , 473, 99-108	23
534	New method to calculate Mössbauer recoilless f-factors in NiFe ₂ O ₄ . Magnetic, morphological and structural properties. 2019 , 471, 242-249	18
533	Effect of surfactants on the optical and magnetic properties of cobalt-zinc ferrite Co _{0.5} Zn _{0.5} Fe ₂ O ₄ . 2019 , 774, 1250-1259	31
532	Reverse Precipitation Synthesis of 10 nm Magnetite Nanoparticles and Their Application for Removal of Heavy Metals from Water. 2019 , 11, 85-104	14
531	Preparation of Fe ₃ O ₄ @C@TiO ₂ and its application for oxytetracycline hydrochloride adsorption. 2020 , 39, 1333-1340	11
530	Green synthesis of ZnNiAlFeO magnetic nanoparticles and investigation of their photocatalytic activity for degradation of reactive blue 21 dye. 2020 , 41, 2760-2770	30
529	Cr-substitution effect on structural and electromagnetic properties of Mg-Ni ferrite synthesized via sucrose auto-combustion method. 2020 , 813, 152250	3
528	Mg-Nd-Cd ferrite as substrate for X-band microstrip patch antenna. 2020 , 499, 165918	9
527	Catalytic performance of NiFe ₂ O ₄ and Ni _{0.3} Zn _{0.7} Fe ₂ O ₄ magnetic nanoparticles during biodiesel production. 2020 , 13, 4462-4476	22
526	Study of cation distribution, structural and electrical properties of Al _{1-x} Zn _x substituted Ni _{1-x} Co _x ferrite. 2020 , 577, 411783	12
525	Synthesis and characterization of Co _{1-x} Ni _x Mn _{1-x} Ce _x Fe ₂ O ₄ nanoparticles. 2020 , 38, 188-194	19
524	Ternary nanocomposite of SiO ₂ /Fe ₃ O ₄ /Multi-Walled Carbon Nanotubes for Efficient Adsorption of Malachite Green: Response Surface Modeling, Equilibrium Isotherms and Kinetics. 2020 , 12, 1619-1637	2

523	Synthesis and characterization of colourful aluminates based on nickel and zinc. 2020 , 815, 152477	3
522	Enhanced strain derivative of Ho substituted cobalt ferrite and improved magnetoelectric coupling in co-sintered bi-layered ME composites. 2020 , 301, 111716	4
521	Modified co-precipitation process effects on the structural and magnetic properties of Mn-doped nickel ferrite nanoparticles. 2020 , 99, 106052	17
520	Structural, magnetic and photoluminescence behavior of Ni/Fe doped ZnO nanostructures prepared by co-precipitation method. 2020 , 202, 163714	12
519	Structural, optical, magnetic and (YR) angle studies of $Cd_xCo_{1-x}Cr_{0.5}Fe_{1.5}O_4$ ferrite. 2020 , 46, 3935-3943	9
518	High-efficient and sustainable biodegradation of microcystin-LR using <i>Sphingopyxis</i> sp. YF1 immobilized FeO@chitosan. 2020 , 185, 110633	13
517	The structural and magnetic properties of the nano- $CoFe_2O_4$ ferrite prepared by sol-gel auto-combustion technique. 2020 , 817, 152786	18
516	Site preference, magnetic properties and energy band gap of $SrFe_{12}ThO_{19}$. 2020 , 493, 165731	2
515	Elevated removal of di-n-butyl phthalate by catalytic ozonation over magnetic Mn-doped ferrosphinel $ZnFe_2O_4$ materials: Efficiency and mechanism. 2020 , 505, 144476	17
514	Instantaneous integration of magnetite nanoparticles on graphene oxide assisted by ultrasound for efficient heavy metal ion retrieval. 2020 , 64, 104962	10
513	In situ synthesis of FeO nanoparticles coated by chito-oligosaccharides: physico-chemical characterizations and cytotoxicity evaluation for biomedical applications. 2020 , 31, 175602	4
512	A Novel Recyclable Ni/Cu/Fe Termetallic Nanocatalyst for the Synthesis of Propargylamines through the A3-Coupling Reactions. 2020 , 5, 18-27	3
511	A structural, elastic, mechanical, spectroscopic, thermodynamic, and magnetic properties of polymer coated $CoFe_2O_4$ nanostructures for various applications. 2020 , 1205, 127681	9
510	Magnetic nanoparticles-supported palladium catalyzed Suzuki-Miyaura cross coupling. 2020 , 61, 151594	14
509	Structural, morphological and magnetic properties of Mn^{2+} ions substituted nanosized nickel-copper-cobalt ferrites through sol-gel auto-combustion method. 2020 , 34, 2050002	1
508	Investigation on structural, hysteresis, Mössbauer properties and electrical parameters of lightly Erbium substituted X-type $Ba_2Co_2ErFe_{28}O_{46}$ hexaferrites. 2020 , 46, 8209-8226	8
507	Bimetallic nickel-ferrite nanorod particles: greener synthesis using rosemary and its biomedical efficiency. 2020 , 48, 242-251	29
506	Structural and optical properties of nanosized Co substituted Ni ferrites by coprecipitation method. 2020 , 93, 207-216	9

505	Effects of structure and electronic properties of spinel ferrites on their emissivity in middle and short wavebands. 2020 , 282, 121089	4
504	Manganese ferrite (MnFe ₂ O ₄) as potential nanosorbent for adsorption of uranium(VI) and thorium(IV). 2020 , 323, 515-537	7
503	Magnetic transformation of Zn-substituted Ni _{1-x} Co ferrite nanoparticles. 2020 , 31, 526-541	2
502	Effect of zinc substitution on magnesium ferrite nanoparticles: Structural, electrical, magnetic, and gas-sensing properties. 2020 , 262, 114776	10
501	Magnetite nanoparticle decorated reduced graphene oxide for adsorptive removal of crystal violet and antifungal activities.. 2020 , 10, 34916-34927	23
500	Ultrasonically assisted microwave synthesis of nanostructured FeCo ₂ O ₄ as potential cathode materials for supercapacitors. 2020 , 31, 20072-20079	5
499	Synthesis and acetone sensing properties of copper (Cu ²⁺) substituted zinc ferrite hollow micro-nanospheres. 2020 , 46, 28835-28843	6
498	Selective separation of Congo Red from a mixture of anionic and cationic dyes using magnetic-MOF: Experimental and DFT study. 2020 , 318, 114051	32
497	Sol-gel auto-ignition fabrication of Gd ³⁺ incorporated Ni _{0.5} Co _{0.5} Fe ₂ O ₄ multifunctional spinel ferrite nanocrystals and its impact on structural, optical and magnetic properties. 2020 , 2, 1	5
496	Cashew gum as a sol-gel precursor for green synthesis of nanostructured Ni and Co ferrites. 2020 , 164, 4245-4251	5
495	FeO coated guar gum nanoparticles as non-genotoxic materials for biological application. 2020 , 165, 333-345	7
494	A facile approach to synthesis of cobalt ferrite nanoparticles with a uniform ultrathin layer of silicon carbide for organic dye removal. 2020 , 317, 114110	6
493	Influence of gamma irradiation on structural and DC conductivity properties of Mg-Cd nanoferrites. 2020 ,	
492	Fabrication of Ni ²⁺ and Dy ³⁺ substituted Y-Type nanohexaferrites: A study of structural and magnetic properties. 2020 , 595, 412378	9
491	Simultaneous Voltammetric Determination of Uric Acid, Xanthine, and Hypoxanthine Using CoFe ₂ O ₄ /Reduced Graphene Oxide-Modified Electrode. 2020 , 2020, 1-15	3
490	Experimental and first-principles study of the origin of the magnetic properties of CoFe ₂ O ₄ spinel ferrite. 2020 , 126, 1	3
489	Structural, elastic, optical and dielectric properties of Li _{0.5} Fe _{2.5} O ₄ nanopowders with different particle sizes. 2020 , 31, 4714-4730	8
488	Structural and magnetic studies of Cr ³⁺ ion-doped NiBa _{1-x} Co ferrite. 2020 , 126, 1	1

487	Magnetically separable Zn Co Mg FeO ferrites: stable and efficient sunlight-driven photocatalyst for environmental remediation.. 2020 , 10, 42766-42776	12
486	Comparative analysis of the structural properties of Cr-Zn and Cr-Co nanoferrites. 2020 ,	
485	Strain-magneto-optics in CoFe ₂ O ₄ : Magneto-absorption in Voight geometry. 2020 , 128, 195103	0
484	Structural, infrared and magnetic properties of MgAl Fe ₂ -O ₄ compounds: Effect of the preparation methods and Al substitution. 2020 , 109, 106400	3
483	X-Band Microwave Absorption in Nd ³⁺ -Substituted Mg ²⁺ d Spinel Ferrites Synthesized Under Microwave Sintering. 2020 , 56, 1-7	3
482	Preparations and tailoring of structural, magnetic properties of rare earths (REs) doped nanoferrites for microwave high frequency applications. 2020 , 46, 26521-26529	16
481	Magnetic and Characterization Studies of CoO/Co ₃ O ₄ Nanocomposite. 2020 , 8, 844	13
480	Effect of aqueous electrolytes on the supercapacitive performance of glycol-mediated CoFe ₂ O ₄ nanoparticles. 2020 , 15, e2548	3
479	Synthesis and physical properties of spinel ferrites/MWCNTs hybrids nanocomposites for energy storage and photocatalytic applications. 2020 , 596, 412389	25
478	Symmetry in magnetic and vibrational spectra of multi-element spinel ferrite. 2020 , 513, 167267	4
477	Comprehensive study on structural, electrical, magnetic and photocatalytic degradation properties of Al ³⁺ ions substituted nickel ferrites nanoparticles. 2020 , 848, 155795	21
476	Solution combustion synthesis, characterization, magnetic, and dielectric properties of CoFeO and CoMFeO (M = Mn, Ni, and Zn). 2020 , 22, 20087-20106	10
475	Silica anchored colloidal suspension of magnetite nanorods. 2020 , 290, 121574	1
474	Structural, mechanical, dielectric properties and magnetic interactions in Dy-substituted Co-Cu-Zn nanoferrites.. 2020 , 10, 27911-27922	14
473	Synthesis, characterization and investigation of photocatalytic activity of ZnMnO ₃ /Fe ₃ O ₄ nanocomposite for degradation of dye Congo red under visible light irradiation. 2020 , 11, 205-216	3
472	Structural and magnetic properties of Eu ³⁺ -substituted Mg-Cd nanoferrites: A detailed study of influence of high energy γ -rays irradiation. 2020 , 28, 100460	9
471	Influence of Cadmium Substitution on Structural and Mechanical Properties of Co-Ni Nano Ferrite Synthesized by Co-Precipitation Method. 2020 , 393, 1900213	4
470	Tailoring the Size, Inversion Parameter, and Absorption of Phase-Pure Magnetic MgFe ₂ O ₄ Nanoparticles for Photocatalytic Degradations. 2020 , 3, 11587-11599	12

469	Structural and humidity sensing properties of niobium pentoxide-mixed nickel ferrite prepared by mechano-chemical mixing method. 2020 , 31, 21981-21999	3
468	Magnetocuring of temperature failsafe epoxy adhesives. 2020 , 21, 100824	6
467	Magnetic and spectroscopic properties of Ni-Zn-Al ferrite spinel: from the nanoscale to microscale.. 2020 , 10, 34556-34580	56
466	Investigation of structural and magnetic properties of Cu-substituted NiZn spinel ferrites. 2020 , 31, 17133-17142	42
465	Effect of heating temperature on structural, magnetic, and dielectric properties of Magnesium ferrites prepared in the presence of Solanum Lycopersicum fruit extract. 2020 , 31, 18445-18463	8
464	Effect of chromium ions on the structural, magnetic, and optical properties of manganese/zinc ferrite nanoparticles. 2020 , 31, 16959-16967	5
463	Zn ²⁺ substituted superparamagnetic MgFe ₂ O ₄ spinel-ferrites: Investigations on structural and spin-interactions. 2020 , 9, 576-587	20
462	Simultaneous Square Wave Voltammetric Detection of Endocrine-Disrupting Agents Using a Nanocomposite of Magnetic Fe ₃ O ₄ Nanorods and Poly(3,4-Methylenedioxy)aniline. 2020 , 8, 15108-15119	5
461	Structural, morphological, luminescence, magnetic, and electrical transport properties of zinc-doped MnFe ₂ O ₄ nanomaterials. 2020 , 126, 1	3
460	A Study of Magnetic Properties of Manganite Substituted ZnFe ₂ O ₄ Composites. 2020 , 33, 3781-3790	1
459	Variation of Particle Size with Copper Content in Copper Cobalt Ferrite. 2020 , 392, 2000111	0
458	Fabrication of Iron Oxide/Zinc Oxide Nanocomposite Using Creeper Extract and Their Antimicrobial Activity. 2020 , 8, 595161	3
457	Electromagnetic Interference (EMI) Shielding and Microwave Absorption Properties of Nickel Ferrite NiFe ₂ O ₄ / PANI-PTSA Nanocomposite. 2020 , 1-12	
456	Photocatalytic Environmental Remediation of Cassiterite/Titanium Nanocomposite. 2020 , 393, 2000176	
455	The investigation of structural and magnetic properties of MnFe ₂ W _x O ₄ nanoparticles. 2020 , 19, 103365	3
454	Effect of Sintering Temperature on Structural, Morphological, and Magnetic Properties of Nickel Ferrite Prepared via a Polyol Method. 2020 , 393, 2000178	
453	Synthesis and characterization of (1-x)y [0.996Na _{0.475} K _{0.475} Li _{0.05} Sb _{0.05} Nb _{0.95} O ₃ ·0.004Bi _{0.95} Nd _{0.05} FeO ₃] + (y) [Co _{0.50} Cu _{0.15} Zn _{0.35} Fe _{1.95} Mn _{0.05} O ₄] composites. 2020 , 31, 22190-22223	
452	Effect of Sintering Temperature on Structural and Morphological Properties of Mn-Substituted Lithium Ferrite. 2020 , 393, 2000173	1

451	Synthesis and photocatalytic investigation of ZnFe ₂ O ₄ in the degradation of organic dyes under visible light. 2020 , 9, 15001-15015	17
450	Structural, optical and magnetic properties of nanocrystalline zinc ferrite prepared by sol-gel method. 2020 ,	
449	Effect of Temperature Synthesize on the Crystalline Structures and Magnetic Properties in Co-Precipitated Cobalt Ferrite Bismuth Nanoparticles. 2020 , 855, 3-8	0
448	Low temperature phonon studies and evidence of structure–pin correlations in MnV ₂ O ₄ . 2020 , 127, 145901	0
447	Study of magnetic and magnetoresistance behaviour of La _{0.67} Sr _{0.33} MnO ₃ -CoFe ₂ O ₄ composites. 2020 , 513, 167058	6
446	Physiochemical properties and electromagnetic wave absorption performance of Ni _{0.5} Cu _{0.5} Fe ₂ O ₄ nanoparticles at X-band frequency. 2020 , 836, 155272	21
445	Analysis on the temperature dependent electrical properties of Cr/Graphene oxide-Fe ₃ O ₄ nanocomposites/n-Si heterojunction device. 2020 , 108, 107933	7
444	Impact of rare earth europium (RE-Eu ³⁺) ions substitution on microstructural, optical and magnetic properties of CoFe ₂ –Eu _x O ₄ nanosystems. 2020 , 46, 16196-16209	29
443	On cobalt ferrite production by sol-gel from orange fruit residue by three related procedures and its application in oil removal. 2020 , 265, 121712	6
442	Elastic properties of nano Mg _{1-x} CoxFe ₂ O ₄ (x = 0.15, 0.2, 0.25, 0.3, 0.35 and 0.4) synthesized by co-precipitation method. 2020 , 3, 559-565	2
441	Synthesis, structural characterization, and magnetic properties of Ni _{1-x} Mn _x nanoferrites substituted with different metal ions (Mn ²⁺ , Co ²⁺ , and Cu ²⁺). 2020 , 146, 109620	14
440	Experimental study on PM _{2.5} removal by magnetic polyimide loaded with cobalt ferrate. 2020 , 1, 404-409	1
439	Improved Electrical Properties Displayed by Mg ²⁺ -Substituted Cobalt Ferrite Nano Particles, Prepared Via Co-precipitation Route. 2020 , 33, 3133-3144	2
438	Structural, morphological and magnetic properties of Ni _{1-x} Cu _x O ferrites by the Sm ³⁺ ions substitution. 2020 , 34, 2050236	3
437	Structural and electromagnetic studies of Mg _{1-x} ZnxFe ₂ O ₄ nanoparticles synthesized via a sucrose autocombustion route. 2020 , 31, 10055-10071	7
436	Catalytic ozonation treatment of papermaking wastewater by Ag-doped NiFeO: Performance and mechanism. 2020 , 97, 75-84	12
435	Influence of Gd ³⁺ substitution and preparation technique on the optical and dielectric properties of Y ₃ Fe ₅ O ₁₂ garnet synthesized by standard ceramic and coprecipitation methods. 2020 , 31, 11654-11664	2
434	Preparation and study of lattice structure and magnetic properties of Bi ³⁺ ion-doped NiMg _{1-x} O ferrites by sol-gel auto-combustion method. 2020 , 95, 360-374	8

433	Impact of aluminum substitution on the structural and dielectric properties of Ni _{1-x} Zn _x spinel ferrite nanoparticles synthesized via sol-gel route. 2020 , 52, 1	5
432	Evaluating carbon dots as electron mediators in photochemical and photocatalytic processes of NiFe ₂ O ₄ . 2020 , 8, 031105	3
431	Raman, infrared and Mössbauer spectroscopic studies of solid-state synthesized Ni-Zn ferrites. 2020 , 505, 166710	6
430	Spectroscopic, elastic, magnetic and optical studies of nanocrystallite and nanoferro-fluids Co ferrites towards optoelectronic applications. 2020 , 248, 122941	7
429	Effect of Terbium Ion Substitution in Inverse Spinel Nickel Ferrite: Structural and Magnetic Study. 2020 , 6, 14	6
428	Catalytic activity of magnetic iron oxide nanoparticles for hydrogen peroxide decomposition: optimization and characterization. 2020 , 95, 2495-2508	6
427	Synthesis Techniques of Nickel Substituted Cobalt Ferrites [An Investigative Study Using Structural Data. 2020 , 23, 373-381	5
426	Impacts of Egg White Assisted Combustion and Ceramic Methods on Structural, Morphological and Magnetic Properties of Nickel Manganite System. 2020 , 10, 489	3
425	Structural modifications in Co _{1-x} Zn _x nanoferrites by Gd substitution triggering to dielectric and gas sensing applications. 2020 , 844, 156178	16
424	Publisher's Note. 2020 , 1, 337-342	1
423	Surface functionalization of graphene oxide using amino silane magnetic nanocomposite for Chromium (VI) removal and bacterial treatment. 2020 , 1, 010062	11
422	Effects of La ³⁺ doping on the structure, properties and application of Mn _{1-x} Zn _x ferrite. 2020 , 252, 123328	7
421	Electrochemical properties of CoFe ₂ O ₄ nanoparticles and its rGO composite for supercapacitor. 2020 , 108, 107978	23
420	Magnetic Properties and Mössbauer Spectroscopy of FeO/CoFeO Nanorods. 2020 , 59, 3677-3685	12
419	Synthesis and study of Co doped Ni-Cd ferro-spinels by microwave assisted sol-gel auto-combustion method. 2020 , 555, 146-160	3
418	CoFe ₂ O ₄ @Fe ₃ O ₄ bimagnetic heterostructure: a versatile core-shell nanoparticle with magnetically recoverable photocatalytic and self heating properties. 2020 , 7, 016111	2
417	Mechanical behavior, enhanced dc resistivity, energy band gap and high temperature magnetic properties of Y-substituted Mg _{1-x} Zn _x ferrites. 2020 , 7, 036101	9
416	Magnetic transformation of Zn-substituted Mg-Co ferrite nanoparticles: Hard magnetism -> soft magnetism. 2020 , 506, 166623	8

415	Synthesis, structural, optical and magnetic properties of NiFe ₂ O ₄ /MWCNTs/ZnO hybrid nanocomposite for solar radiation driven photocatalytic degradation and magnetic separation. 2020 , 592, 124586	18
414	Synthesis and Characterization of Photocatalytic MnFe ₂ O ₄ Nanoparticles. 2020 , 21, 1905-1910	15
413	Synthesis and Characterization of CoFe ₂ O ₄ /MWCNTs Nanocomposites and High-Frequency Analysis of Their Dielectric Properties. 2020 , 29, 251-258	1
412	Enhanced humidity sensing performance of Samarium doped Lanthanum Aluminate at room temperature. 2020 , 304, 111903	17
411	Synthesis, structural and microstructural study of new FeNa _{0.5} H _{1.5} MoO ₅ hybrid material for highly efficient energy storage hybrid systems. 2020 , 113, 107811	1
410	Impacts of hematite, bunsenite and maghemite impurities on the physical and antimicrobial properties of silver nanoparticles. 2020 , 135, 1	11
409	Spinel zinc ferrite nanoparticles: an active nanocatalyst for microwave irradiated solvent free synthesis of chalcones. 2020 , 7, 016116	58
408	Enhancement of Saturation Magnetization and Remanence of BaFe ₁₂ O ₁₉ Materials Prepared by NaCl/KCl and Hexamine as Flux. 2020 , 11, 1-5	0
407	Structural, morphological, magnetic and spectral studies of Bi ³⁺ substituted YFeO ₃ Nano-powders: Obtained by sol-gel synthesis. 2020 , 44, 195-202	2
406	Enhancement in magnetoelectric properties of lead-free multiferroic composite through high-energy mechanical milling. 2020 , 31, 9306-9320	1
405	Synthesis and characterization of CoFe ₂ O ₄ and Ni-doped CoFe ₂ O ₄ nanoparticles by chemical Co-precipitation technique for photo-degradation of organic dyestuffs under direct sunlight. 2020 , 587, 412136	19
404	Structural and magnetic properties of MgFe ₂ O ₄ nanopowder synthesized via co-precipitation route. 2020 , 2, 1	7
403	Functional properties of ZnMn ₂ O ₄ /MWCNT/graphene nanocomposite as anode material for Li-ion batteries. 2020 , 126, 1	12
402	Diverse Surface Chemistry of Cobalt Ferrite Nanoparticles to Optimize Copper(II) Removal from Aqueous Media. 2020 , 13,	8
401	Electroactive magnetic microparticles for the selective elimination of cesium ions in the wastewater. 2020 , 185, 109474	6
400	Effect of Cr substitution on structural, magnetic and impedance spectroscopic properties of Cd _{0.5} Zn _{0.5} Fe _{2-x} Cr _x O ₄ ferrites. 2020 , 126, 1	11
399	Effect of Nanoparticles Concentration on Thermal, Magnetic and Electrical Properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ based Polyaniline Nanocomposites by In-Situ Polymerisation. 2020 , 599, 124798	12
398	Structural, optical, elastic and magnetic properties of Ce and Dy doped cobalt ferrites. 2020 , 834, 155089	15

397	Effect of Mg-substitution in CoNi-Ferrites: Cation distribution and magnetic properties. 2020 , 251, 123081	17
396	Large magnetic anisotropy in highly strained epitaxial MgFe ₂ O ₄ thin films. 2020 , 127, 113904	3
395	Nonzero coercivity of Fe ₃ O ₄ /polyvinyl alcohol nanocomposites synthesized by different polymer-assisted co-precipitation processes. 2021 , 78, 2177-2189	2
394	Synthesis, structural, dielectric and magnetic properties of Cd ²⁺ based Mn nanosized ferrites. 2021 , 36, 131-144	4
393	Characterization and super-capacitive properties of nanocrystalline copper ferrite prepared via green and chemical methods. 2021 , 263, 114812	6
392	Synthesis and characterization of magnetically separable Zn _{1-x} CoxFeMnO ₄ nanoferrites as highly efficient photocatalyst for degradation of dye under solar light irradiation. 2021 , 148, 109700	18
391	Microstructure and magnetic interactions of Co ²⁺ substituted NiCuZn ferrites. 2021 , 517, 167376	8
390	Reitveld Refinement and Derivative Spectroscopy of Nanoparticles of Soft Ferrites (MgNiFe). 2021 , 31, 528-541	5
389	Influence of magnesium doping on structural and elastic parameters of Nickel Zinc nanoferrites. 2021 , 257, 123825	4
388	Synthesis, characterization and charge transport properties of PrNi Co-doped SrFe ₂ O ₄ spinel for high frequency devices applications. 2021 , 47, 3760-3771	14
387	Evaluation of Structural, Micro-structural, Vibrational and Elastic Properties of NiCuZn Nanoferrites: Role of Dopant Cu ²⁺ at Constant 0.1 mol% in NiZn Spinel Structure. 2021 , 31, 1336-1346	7
386	Study of structural, optical and electrical properties of La ³⁺ -doped Mg _{0.25} Ni _{0.15} Cu _{0.25} Co _{0.35} Fe _{2-x} Lax O ₄ spinel ferrites. 2021 , 602, 412565	11
385	Crystallographic and micro-structural investigations in C-phase spinels of CuFeO synthesized through CHO.HO mediation. 2021 , 141, 102993	1
384	Structural, optical and dielectric properties of nickel zinc spinel ferrites synthesized by co-precipitation method. 2021 , 32, 932-943	2
383	Investigation of dielectric, electrical and optical properties of copper substituted Mn-Zn nanoferrites. 2021 , 32, 313-322	8
382	Mixed ZnNi spinel ferrites: Structure, magnetic hyperthermia and photocatalytic properties. 2021 , 47, 7052-7061	17
381	CoFe ₂ O ₄ @methyl cellulose core-shell nanostructure and their hybrids with functionalized graphene aerogel for high performance asymmetric supercapacitor. 2021 , 46, 3984-3995	9
380	A facile and green synthesis of superparamagnetic Fe ₃ O ₄ @PANI nanocomposite with a core-shell structure to increase of triplet state population and efficiency of the solar cells. 2021 , 9, 104942	8

- 379 Traversing the advantageous role of samarium doped spinel nanoferrites for photocatalytic removal of organic pollutants. **2021**, 39, 781-789 3
- 378 Immobilization of α -amylase on GO-magnetite nanoparticles for the production of high maltose containing syrup. **2021**, 169, 228-238 7
- 377 Synthesis of water dispersible phosphate capped CoFe_2O_4 nanoparticles and its applications in efficient organic dye removal. **2021**, 610, 125755 5
- 376 Ferrite Nanocomposite Based Electrochemical Sensor: Characterization, Voltammetric and Amperometric Studies for Electrocatalytic Detection of Formaldehyde in Aqueous Media. **2021**, 33, 233-248 11
- 375 Superparamagnetic Manganese Ferrite and Strontium Bioactive Glass Nanocomposites: Enhanced Biocompatibility and Antimicrobial Properties for Hyperthermia Application. **2021**, 23, 2000275 6
- 374 Zn-Fe-oxide nanostructures of different iron concentrations for multifunctional applications: properties and precursor influence. **2021**, 23, 16107-16127 1
- 373 IRON-DOPED $\text{Bi}_2\text{Sr}_2\text{Ca}_2(\text{Cu}_{0.91}\text{Fe}_{0.09})_3\text{O}_{10}$ SUPERCONDUCTOR WITH NANOGROWTH. **2021**, 28, 2150020
- 372 Magnetic Properties of Mechano-Thermally Processed Nanocrystalline MgFe_2O_4 Spinel Materials. 1 4
- 371 Magnetite nanoparticles as sorbents for dye removal: a review. **2021**, 19, 2487-2525 28
- 370 Facile synthesis, structure and infrared properties of CoFe_2O_4 ferrite nanoparticles (CFN). **2021**,
- 369 Tunable heat generation in nickel-substituted zinc ferrite nanoparticles for magnetic hyperthermia. **2021**, 3, 5339-5347 1
- 368 Effect of Tb^{3+} substitution on structural, optical and magnetic properties of $\text{NiCuZnFe}_2\text{O}_4$ prepared by sol-gel route. 1 0
- 367 X-ray diffraction and infrared characterization of NiFe_2O_4 nanoparticles (NFNPs) prepared using dextrose assisted sol-gel auto-combustion technique. **2021**,
- 366 Magnetically separable $\text{Ni}_{0.25}\text{Cu}_{0.55}\text{Zn}_{0.20}\text{Fe}_2\text{O}_4$ ferrite as a highly efficient photocatalyst for environmental remediation. **2021**, 329-347 0
- 365 Extra-Heavy Crude Oil Viscosity Reduction Using and Reusing Magnetic Copper Ferrite Nanospheres. **2021**, 9, 175 4
- 364 Rational design of magnetically separable core/shell FeO/ZnO heterostructures for enhanced visible-light photodegradation performance.. **2021**, 11, 22317-22326 0
- 363 Sol-Gel synthesis, structural characterizations, photo-catalytic degradation for H_2 production and UV-Absorption of yttrium-substituted Co-Zn ferrite nanoparticles. **2021**, 0
- 362 Structural, infrared and magnetic properties of $\text{Ni}_{0.7}\text{Zn}_{0.3}\text{Fe}_2\text{O}_4+0.4\text{wt}\%\text{V}_2\text{O}_5$ synthesized using ceramic method. **2021**,

361	Effect of different rare earth (RE = Y ³⁺ , Sm ³⁺ , La ³⁺ , and Yb ³⁺) ions doped on the magnetic properties of Ni _{0.5} Zn _{0.5} ferrite nanomagnetic materials. 2021 , 32, 246-264	2
360	Effect of Al Doping on Magnetic Properties of Co-Mn Nanoferrites Synthesized via Citrate-Gel Method. 2021 , 33, 1125-1132	0
359	Magnetic, Electrical, and Optical Properties of Ferrites. 2021 , 25-47	
358	Fabrication of Cu _{1.5} Mn _{1.5} O ₄ Nanoparticles Using One Step Self-Assembling Route to Enhance Energy Consumption. 2021 , 11, 2034	1
357	Synthesis and properties of nano magnetite for the preparation of biocomposites. 2021 , 51-57	
356	Fabrication and unravelling the impact of iron-deficiency amount on crystal structure, micromorphology, elastic and electromagnetic properties of Ni _{0.25} Cu _{0.13} Zn _{0.62} Fe ₂ O ₄ ferrites under different sintering temperatures. 2021 , 32, 4592-4628	1
355	Core-Shell Structured Magnetite-Poly(diphenylamine) Microspheres and Their Tunable Dual Response under Magnetic and Electric Fields. 2021 , 37, 2298-2311	5
354	Cr ³⁺ -doped nanocrystalline nickel-magnesium-cobalt spinel ferrite: microstructural and magnetic. 2021 , 127,	2
353	Grafting TRAIL through Either Amino or Carboxylic Groups onto Magnetite Nanoparticles: Influence on Pro-Apoptotic Efficiency. 2021 , 11,	2
352	Resistivity and magnetization bimodal improvement in Ni ferrite nanoparticles by Mg substitution. 2021 , 57, 719	1
351	Structural and Magnetic Properties of (Mg _{0.8} Fe _{2+0.2})(Al _{0.4} CrxFe _{3+1.6})O ₄ Spinel Solid Solution Obtained by Molten Salt Synthesis. 2021 , 218, 2000518	
350	Synthesis and characterization of Al ³⁺ substituted Ni _{0.5} Zn nano ferrites. 1	2
349	A comparative study of the structural, optical, magnetic and magnetocaloric properties of HoCrO ₃ and HoCr _{0.85} Mn _{0.15} O ₃ orthochromites. 2021 , 47, 7386-7397	5
348	Tailoring the Structural, Magnetic, Mechanical, and Thermal Properties of CoFe ₂ O ₄ by Varying Annealing Temperature for High-Density Storage Devices. 2021 , 10, 031005	2
347	Influence of La ³⁺ doped nano spinel ferrites on infrared spectroscopy in elastic properties via O/W micro emulsion method. 2021 , 573, 236-245	1
346	Physicochemical characteristics of calcined MnFeO solid nanospheres and their catalytic activity to oxidize para-nitrophenol with peroxymonosulfate and n-C asphaltenes with air. 2021 , 281, 111871	11
345	Influence of Ho ³⁺ substitution on structural and magnetic properties of MgMn ferrites. 2021 , 32, 8756-8766	1
344	One-pot Cajanus cajan (L.) Millsp. leaf extract-mediated preparation of MgFe ₂ O ₄ nanoparticles: Optical, structural, morphological and particle size analyses. 2021 , 326, 114170	12

343	Effect of type and parameters of synthesis on the properties of magnetite nanoparticles. 1	0
342	Magnesium ferrichromate nanoparticles: an efficient and recyclable catalyst in the synthesis of pyrano[2,3-c]pyrazole derivatives. 2021 , 47, 2669-2687	5
341	Influence of tungsten substitution on structure, optical, vibrational and magnetic properties of hydrothermally prepared NiFe ₂ O ₄ . 2021 , 127, 1	0
340	Investigation on microstructure, energy gap, photoluminescence and magnetic studies of Co and Cu in situ doped ZnO nanostructures. 2021 , 32, 9702-9720	1
339	Poly(vinylidene fluoride-trifluoroethylene)/cobalt ferrite composite films with a self-biased magnetoelectric effect for flexible AC magnetic sensors. 2021 , 56, 9728-9740	5
338	Impact of V substitution on the physical properties of Ni _{1-x} Zn _x O ferrites: structural, magnetic, dielectric and electrical properties. 2021 , 8, 046102	1
337	CoFe ₂ O ₄ @methylcellulose synthesized as a new magnetic nanocomposite to tetracycline adsorption: modeling, analysis, and optimization by response surface methodology. 2021 , 28, 1	8
336	Facile Synthesis, Diffused Reflectance Spectroscopy & Fluorescence Studies of NiMgCuFeO Nanoparticles. 2021 , 31, 1023-1028	
335	Optimization of structure-property relationships in nickel ferrite nanoparticles annealed at different temperature. 2021 , 151, 109928	15
334	Effect of the Glycine Treatment on Synthesis and Physicochemical Characteristics of Nanosized Ni-Mn Mixed Oxides. 2021 , 11, 487	2
333	The structural, magnetic, and optical properties of Ni _{1-x} Mg _x Zn ferrite prepared with different complexing agents via sol-gel method. 2021 , 32, 13350-13368	0
332	Site Occupancy, Surface Morphology and Mechanical Properties of Ce ³⁺ Added Ni _{1-x} Mn _x Zn Ferrite Nanocrystals Synthesized Via Sol-Gel Route. 2021 , 16, 2150059	1
331	Impact of Sn ⁴⁺ substitution in Mg _{1-x} Zn _x ferrites: Deciphering the structural, morphological, dielectric, electrical and magnetic properties. 2021 , 263, 124357	3
330	Synthesis and characterization of magnetic wrinkled mesoporous silica nanocomposites containing Fe ₃ O ₄ or CoFe ₂ O ₄ nanoparticles for potential biomedical applications. 2021 , 615, 126236	9
329	Investigation of Structural, Magnetic and Electrical Properties of Chromium Substituted Nickel Ceramic Nanopowders.	0
328	The structure, correlated vibrations, optical parameters and metallization criterion of Mn _{1-x} Zn _x O nanoferrites. 2021 , 32, 15814-15825	4
327	Investigation of structural, optical, magnetic, and electrical properties of PMMA doped with magnetite nanoparticles. 2021 , 32, 14557	2
326	Study of the surface properties and particle-particle interactions in oleic acid-coated Fe ₃ O ₄ nanoparticles. 2021 , 525, 167686	14

325	Effect of Cr ³⁺ substitution on dc electrical resistivity and magnetic properties of Cu _{0.7} Co _{0.3} Fe _{2-x} Cr _x O ₄ ferrite nanoparticles prepared by sol-gel auto combustion method. 2021 , 24, 104117	6
324	Investigation of the Influence of Annealing Temperature on the Structural and Magnetic Properties of MgFe ₂ O ₄ . 2021 , 50, 4671-4677	3
323	Effect of annealing temperature on structural and magnetic properties of nano-cobalt ferrite. 2021 , 32, 16392-16399	1
322	Physical and magnetic properties for two types of connectivity of NiFe ₂ O ₄ /PbZr _{0.52} Ti _{0.48} O ₃ (NFO/PZT) composite. 2021 , 127, 1	2
321	Control growth of NiFe ₂ O ₄ phase in thermal annealed Fe ₂ O ₃ /NiFe ₂ O ₄ nanocomposites for the beneficial magnetic application. 2021 , 127, 1	4
320	Evaluation of structural, dielectric and electrical humidity sensor behaviour of MgFe ₂ O ₄ ferrite nanoparticles. 2021 , 47, 15995-16008	9
319	Electrochemical performance of spindle-like Fe ₂ Co-MOF and derived magnetic yolk-shell CoFe ₂ O ₄ microspheres for supercapacitor applications. 2021 , 25, 2189-2200	3
318	Influence of Cr ³⁺ -substituted Co _{0.7} Cu _{0.3} Fe _{2-x} Cr _x O ₄ nanoferrite on structural, morphological, dc electrical resistivity and magnetic properties. 2021 , 127, 1	1
317	Synthesis and Characterization of New Ferrite-Lignin Hybrids. 2021 , 13,	2
316	Determination of ferrimagnetic and superparamagnetic components of magnetization and the effect of particle size on structural, magnetic and hyperfine properties of Mg _{0.5} Zn _{0.5} Fe ₂ O ₄ nanoparticles. 2021 , 869, 159242	4
315	Lattice dynamics and magnetic exchange interactions in GeCo ₂ O ₄ : A spinel with S=12 pyrochlore lattice. 2021 , 104,	1
314	Role of elastic and optical properties on silver nanoferrite and nanochromite for optical switch device applications. 2021 , 32, 21590-21602	5
313	Enhancement of elastic, optical and opto-electrical properties of Ni-Substituted CoFe ₂ O ₄ nanoparticles with different concentrations. 2021 , 117, 111101	7
312	Influence of zinc substitution on structural, elastic, magnetic and optical properties of cobalt chromium ferrites. 2021 ,	3
311	Lanthanum doped Zn _{0.5} Co _{0.5} LaxFe _{2-x} O ₄ spinel ferrites synthesized via co-precipitation route to evaluate structural, vibrational, electrical, optical, dielectric, and thermoelectric properties. 2021 , 154, 110080	12
310	Synthesis and investigation of small g-values for smart spinel ferrite nanoparticles. 2021 , 869, 159334	2
309	Synthesis and investigation of structural, optical, magnetic, and biocompatibility properties of nanoferrites AFeO ₂ . 2021 , 27, 103-116	2
308	TiO-Doped NiCuZnFeO Nanoparticles for Enhanced Structural and Magnetic Properties. 2021 , 6, 17931-17940	2

307	Influence of B-site cations ordering on magnetization and dielectric relaxations in LiNi spinel ferrites. 2021 , 47, 22662-22668	2
306	Co _{0.2} Fe _{2.8} O ₄ /C composite nanofibers with designable 3D hierarchical architecture for high-performance electromagnetic wave absorption. 2021 , 47, 23275-23284	2
305	Ultrasensitive fluorescence immunosensor based on mesoporous silica and magnetic nanoparticles: Capture and release strategy. 2021 , 257, 119749	0
304	X-ray diffraction based WilliamsonHall analysis and rietveld refinement for strain mechanism in MgMn co-substituted CdFe ₂ O ₄ nanoparticles. 2021 , 614, 413054	6
303	Nuclear Resonance Vibrational Spectroscopy: A Modern Tool to Pinpoint Site-Specific Cooperative Processes.. 2021 , 11,	4
302	Biosynthesis effect of Moringa oleifera leaf extract on structural and magnetic properties of Zn doped Ca-Mg nano-spinel ferrites. 2021 , 14, 103261	12
301	Investigation of structural, thermal, and electrical properties of magnesium substituted cobalt ferrite reinforced polyaniline nanocomposites. 2021 , 47, 33835-33835	0
300	An Iron Shield to Protect Epigallocatehin-3-Gallate from Degradation: Multifunctional Self-Assembled Iron Oxide Nanocarrier Enhances Protein Kinase CK2 Intracellular Targeting and Inhibition. 2021 , 13,	1
299	Structural and Magnetolectrical Properties of MFeO (M = Co, Ni, Cu, Mg, and Zn) Ferrosinels Synthesized via an Egg-White Biotemplate. 2021 , 6, 22180-22187	2
298	Physical properties, magnetic measurements, dielectric relaxation, and complex impedance studies of cobalt-doped zinc ferrite nanoparticles. 2021 , 11, 2311-2336	0
297	Study of structural, vibrational, elastic and magnetic properties of uniaxial anisotropic Ni-Zn nanoferrites in the context of cation distribution and magnetocrystalline anisotropy. 2021 , 873, 159748	4
296	Auto-ignition synthesis of rare-earth metal-doped NiZn spinel ferrites for electronic applications. 2021 , 32, 23999-24010	1
295	The impact of highly paramagnetic Gd ³⁺ cations on structural, spectral, magnetic and dielectric properties of spinel nickel ferrite nanoparticles. 2021 , 25, 101306	9
294	Structural and microwave properties of Ag-doped strontium hexaferrite. 2021 , 32, 23854-23862	0
293	Tunable cationic distribution and structure-related magnetic and optical properties by Cr ³⁺ substitution for Zn ²⁺ in nanocrystalline Ni-Zn ferrites. 2021 , 28, 104622	5
292	Influence of Co over magnetically benign Zn ferrite system and study of its structural, dielectric, superparamagnetic and antibacterial efficacy. 2021 , 141, 111330	7
291	Steering the synthesis of Fe ₃ O ₄ nanoparticles under sonication by using a fractional factorial design. 2021 , 270, 124760	1
290	Magnetically separable ZnFe ₂ O ₄ nanoparticles: A low cost and sustainable catalyst for propargyl amine and NH-triazole synthesis. 2021 , 625, 118338	2

289	The effect of dysprosium on nickel-cadmium spinel ferrites. 1-14	1
288	Investigation on structural and H ₂ gas sensing response of AlCdZnNiFe ₂ O ₄ sensor material. 2021 , 48, 720-720	0
287	Effects of co-substitution of Al ³⁺ and Cr ³⁺ on structural and magnetic properties of nano-crystalline CoFe ₂ O ₄ synthesized by the sucrose technique. 2021 , 14, 10-24	2
286	Novel 3D hierarchical nanostructure of Fe ₃ O ₄ /ZnO hybrid composites for enhanced solar light photocatalytic performance. 1	2
285	Redistribution cations at sites of cadmium ferrite nanostructures as a result of Fe ²⁺ and Co ²⁺ ions dual additions and their magnetic, dielectric, spectroscopic, and mechanical properties. 2021 , 270, 124862	
284	Intelligent Biomimetic Artificial Form for Lignocellulosic Surfaces. 2021 , 21, 95-103	0
283	Simple and green route for fabrication of a nanostructured of the graphene-Fe ₃ O ₄ @PANI for the photovoltaic activity. 2021 , 139327	1
282	A comparative study of different concentrations of (Co/Ni/Cu) effects on elastic properties of LiMn ferrite employing IR spectroscopy and ultrasonic measurement. 2021 , 47, 26635-26642	1
281	Estimation and association of structural, elastic and magnetic properties of magnesium-nickel-ferrite nanoparticles annealed at different temperatures. 2021 , 272, 115362	0
280	MnFe ₂ O ₄ nanoparticulate obtained by microwave-assisted combustion: An efficient magnetic catalyst for degradation of malachite green cationic dye in aqueous medium. 2021 , 9, 106232	3
279	Physical characterization and heating efficacy of chitosan-coated cobalt ferrite nanoparticles for hyperthermia application. 2021 , 134, 114862	3
278	Vermiculite enriched by Fe(III) oxides as a novel adsorbent for toxic metals removal. 2021 , 9, 106020	5
277	Structural, morphological and temperature dependent electrical traits of Co _{0.9} Zn _{0.1} N _x Fe _{2-x} O ₄ spinel nano-ferrites. 2021 , 47, 30902-30910	3
276	Microstructure, magnetic, and dielectric interplay in NiCuZn ferrite with rare earth doping for magneto-dielectric applications. 2021 , 537, 168229	3
275	Superparamagnetic Ag-Fe ₃ O ₄ composites nanoparticles for magnetic fluid hyperthermia. 2021 , 537, 168242	6
274	UV light assisted photocatalytic degradation of textile waste water by MgZnFeO synthesized by combustion method and in-vitro antimicrobial activities. 2022 , 204, 111917	5
273	Study of structure, magnetic and electrical properties of CoFe _{2-x} Cr _x O ₄ nanocomposites synthesized using sol-gel method. 2022 , 275, 125256	0
272	Impact of cobalt substitution on cation distribution and elastic properties of NiZn ferrite investigated by X-ray diffraction, infrared spectroscopy, and Mössbauer spectral analysis. 2022 , 160, 110298	1

271	Enhanced activation of persulfate by CuCoFe ₂ O ₄ @MC/AC as a novel nanomagnetic heterogeneous catalyst with ultrasonic for metronidazole degradation. 2022 , 286, 131872	7
270	Effects of sintering temperature on microstructure, initial permeability and electric behaviour of Ni-Mn-Zn ferrites. 2022 , 275, 125250	1
269	Microwave assisted synthesis and characterization of Fe ³⁺ -O-Fe ³⁺ sublattice magnetic moment influencing ferromagnetism exhibited erbium orthoferrite sublattice (ErFeO ₃) perovskite nanopowders. 2022 , 890, 161825	1
268	Density Determination for Oxide Scale Formed on Steel Plate Considering Non-stoichiometry of Fe _{1-x} O. 2021 , 107, 551-557	
267	X-ray diffraction, infra-red spectroscopy and magnetic properties of Ni _{0.7} Zn _{0.3} Fe ₂ O ₄ +0.6wt%V ₂ O ₅ prepared via ceramic method. 2021 ,	
266	Towards shape-oriented Bi-doped CoCr ₂ O ₄ nanoparticles from theoretical and experimental perspectives: structural, morphological, optical, electrical and magnetic properties. 2021 , 9, 6452-6469	7
265	Magnetic transformation of NiMgZn ferrite substituted by the Co ²⁺ ions from soft magnetic to hard magnetic. 2021 , 32, 3286-3302	
264	Influence of Cr doping on the structural, optical, magnetic, and photoluminescence behavior of Zn _{0.96} Ni _{0.04} Cr _x O nanostructures. 2021 , 32, 4258-4271	0
263	Microstructure, magnetic properties of Ho ³⁺ substituted Ni-Cu-Zn spinel ferrites and application for one pot synthesis of dihydropyrimidinones. 2021 , 47, 1974-1981	
262	6.1.8.1 Co ferrite. 366-376	1
261	Structural and Elastic Properties of Cd _{1-x} Ni _x Fe ₂ O ₄ Ferrites. 2014 , 659-662	2
260	Infrared Spectra in Oxide Nanocomposites/Minerals. 2017 , 117-138	2
259	Spinel. 1970 , 50-546	1
258	Magnetic, Electric and Optical Properties of Mg-Substituted Ni-Cu-Zn Ferrites. 2017 , 46, 5693-5704	11
257	Utilizing recycled LiFePO ₄ from batteries in combination with B@CN and CuFeO as sustainable nano-junctions for high performance degradation of atenolol. 2018 , 209, 457-469	22
256	Structural, optical, and electrical transport properties of some rare-earth-doped nickel ferrites: A study on effect of ionic radii of dopants. 2020 , 145, 109534	11
255	Effect of fractional substitution of Sb ³⁺ ions on structural, magnetic and electrical properties of cobalt ferrite. 2020 , 258, 114574	3
254	Antifungal and antiovarian cancer properties of FeO and FeO/ZnO nanostructures synthesised by. 2020 , 14, 774-784	3

253	Microstructural and magnetic properties of Zn substituted nickel ferrite synthesised by facile solution combustion method. 2019 , 14, 727-731	3
252	Synthesis and characterization of biocompatible Fe ₃ O ₄ nanoparticles at different pH. 2017 ,	21
251	Rietveld structure refinement and elastic properties of MgAl _x Cr _x Fe _{2-2x} O ₄ spinel ferrites. 2017 ,	5
250	Influence of cation distribution on magnetic response of polycrystalline Co _{1-x} Ni _x Fe ₂ O ₄ (0 ≤ x ≤ 1) ferrites. 2020 , 95, 085802	4
249	Cation distribution effect on electronic, magnetic structure and optic properties in cobalt ferrites (Co _{1-y} Fe _y) Tet (Co _y Fe _{2-y}) Oct O ₄ with disordered spinel structure. 2020 , 95, 105801	2
248	Comparative Study of Cobalt Ferrite and Polyacrylamide Decorated Cobalt Ferrite Microspheres in Structural, Optical, Magnetic, Photoluminescence, and Photocatalytic Properties. 2020 , 94, 2614-2621	3
247	The first occurrence of qandilite in Russia. 1992 , 56, 385-389	1
246	The Anhydrous Oxide Minerals. 183-204	27
245	Synthesis and Characterization of Magnesium ferrite nanoparticles by Co-precipitation method. 2013 , 2, 53-55	2
244	Enhancement in magnetic and electrical properties of Ni substituted Mg ferrite. 2018 , 36, 644-654	7
243	Synthesis of nanosized cadmium ferrite and assaying its magnetic and dielectric properties by analytical and physical techniques. 2020 , 111, 168-176	1
242	Structural and Magnetic Properties of Cr-Zn Nanoferrites Synthesized by Chemical Co-Precipitation Method. 2019 , 56, 474-482	6
241	Infrared Spectroscopy and Thermal Stability Studies of Natural Rubber-Barium Ferrite Composites. 2012 , 02, 350-358	7
240	Effect of Annealing Temperature on the Structural and Magnetic Properties of NiFe ₂ O ₄ Nanoferrites. 2017 , 07, 19-27	9
239	Preparation and Characterization of Nano-Sized (Mg _x Fe _{1-x})O/SiO ₂ (x = 0.1) Core-Shell Nanoparticles by Chemical Precipitation Method. 2012 , 01, 37-43	8
238	Structural and Magnetic Properties of Cr-Co Nanoferrite Particles. 2016 , 05, 103-113	7
237	Effect of Cu ²⁺ Doping on Structural and Optical Properties of Synthetic Zn _{0.5} Cu _x Mg _{0.5-x} Fe ₂ O ₄ (x = 0.0, 0.1, 0.2, 0.3, 0.4) Nano-Ferrites. 2018 , 07, 1-10	8
236	Effect of Aluminium Doping on Structural and Magnetic Properties of Ni-Zn Ferrite Nanoparticles. 2015 , 05, 68-77	28

- 235 Effect of Copper Substitution on Structural and Magnetic Properties of NiZn Ferrite Nanopowders. **2013**, 18, 391-394 6
- 234 Effect of Preparation on Structure and Magnetic Properties of ZnFe₂O₄. **2014**, 19, 101-105 19
- 233 Dependence of Structural and Magnetic Properties on Annealing Times in Co-precipitated Cobalt Ferrite Nanoparticles. **2015**, 20, 207-210 23
- 232 Effect of Sintering Temperature on the Micro Strain and Magnetic Properties of Ni-Zn Nanoferrites. **2015**, 20, 229-240 8
- 231 Biguanide-Functionalized Fe₃O₄/SiO₂ Magnetic Nanoparticles: An Efficient Heterogeneous Organosuperbase Catalyst for Various Organic Transformations in Aqueous Media. **2012**, 33, 2546-2552 88
- 230 Structural and Elastic Properties of Li-Ni Ferrite. **2011**, 2011, 1-9 19
- 229 Rietveld Structure Refinement and Cation Distribution of Substituted Nanocrystalline Ni-Zn Ferrites. **2012**, 2012, 1-5 5
- 228 Investigation of Crystal Structure, Electrical and Magnetic Properties of Spinel Mn-Cd Ferrite Nanoparticles. 1 2
- 227 Structural, Magnetic, and Optical Studies of NiMg Ferrites Synthesized by Polyol Method. 2100193 0
- 226 The structural, magnetic and optical performances of Ni_{0.2}Zn_{0.2}Co_{0.6}Fe₂O₄ ferrites synthesized by sol-gel route. **2021**, 127, 1
- 225 Isochronal recovery behaviour on electromagnetic properties of polycrystalline nickel zinc ferrite (NiZnFeO) prepared via mechanical alloying. **2021**, 11, 19642 1
- 224 Preparation and characterization of magnetic nanoparticles of Fe₃O₄ coated with mesoporous SiO₂. **2011**, 60, 017501 3
- 223 Magnetische Verbindungen mit bestimmten Strukturen. **1962**, 215-450
- 222 Infrared Spectroscopic Study of Al Oxides in Al-killed Steel. **1974**, 60, 2013-2017 3
- 221 Some Applications of SIMS and Other Surface Sensitive Techniques for the Chemical Characterization of Industrial Steel Surfaces. **1979**, 170-173 1
- 220 Mössbauer Recoilless Fraction in the Magnesium Spinel Series, MgAl_{2-2x}Fe_xO₄. **1982**, 159-161
- 219 Study on Thermodynamic Properties of Fe³⁺-Substituted Yttrium Iron Garnets. **2016**, 130, 778-784
- 218 Impact of Annealing on Structural and Magnetic Properties of Manganese Co-Doped Magnesium-Cobalt Ferrite Nanoparticles. **2017**, 233-243

217	INFLUENCE OF Sm/Zr ON SPECTROSCOPIC PROPERTIES OF Mg-Mn FERRITES. 2018 , 6, 20	0
216	Substitutional effect of copper on the cation distribution in cobalt chromium ferrites and their structural and magnetic properties. 2018 , 36, 255-263	3
215	Room temperature ferromagnetic behavior in the nanocrystals of Fe doped ZnO synthesized by soft chemical route. 2019 , 37, 364-372	0
214	Elastic study and optical dispersion characterization of Fe-substituted cobalt aluminate nanoparticles. 2020 , 126, 1	4
213	Sol-gel Autocombustion Elaboration and Physiochemical Characterizations of Cu ²⁺ Substituted Cobalt Ferrite Nanoparticles. 2020 , 7, 44-54	
212	Anisotropic Magnetoabsorption of Light in Cobalt Ferrite and Its Correlation with Magnetostriction. 2020 , 131, 970-975	0
211	Ni-Cu-Zn nanoferrite prepared at lower sintering temperature. 2020 ,	0
210	Effect of annealing temperature on structural properties of Co _{0.6} Mg _{0.4} Fe ₂ O ₄ nano-ferrite. 2020 ,	0
209	Template-free construction of hollow mesoporous Fe ₃ O ₄ nanospheres as controlled drug delivery with enhanced drug loading capacity. 2021 , 347, 118000	0
208	Ferric hydroacid & diamine complex as draw solute for forward osmosis (FO) desalination processes. 2021 , 100316	
207	Cobalt-Doped Nickel Zinc Nanoferrites by Solution-Combustion Synthesis: Structural and Elastic Parameters. 2020 , 29, 157-161	2
206	Figs. 64 - 95, Tables 9 - 19. 130-140	
205	References for 3.2.2. 141-142	
204	6.1.5.3 References for 6.1.5.1 and 6.1.5.2. 324-325	
203	6.1.8.5 References for 6.1.8.1 - 6.1.8.4. 392-393	
202	6.1.1.1 Tables and figures. 65-73	
201	6.1.1.2 References for 6.1.1.1. 73-74	
200	6.1.2.1 Ni ferrite NiFe ₂ O ₄ . 75-82	

- 199 6.1.2.10 References for 6.1.2.0 - 6.1.2.9. 103-105
- 198 6.1.3.9.2 Spectroscopic splitting factor. 206-207
- 197 6.1.3.10 Optical properties (absorption). 207-207
- 196 6.1.3.11 References for 6.1.3.0 - 6.1.3.10. 208-215
- 195 6.1.4.4 References for 6.1.4.1 - 6.1.4.3. 311-314
- 194 4.1.1.1 Summary of physical and magnetic properties. 58-58
- 193 4.1.1.10 References for 4.1.1.0 - 4.1.1.9. 84-87
- 192 Fe₃O₄: lattice parameters, thermal expansion, density, high temperature phase. 1-4
- 191 Elektrische Eigenschaften. **1973**, 696-769
- 190 Nickel-Doped Cobalt Zinc Ferrites Co_{0.8} xNi_xZn_{0.2}Fe₂O₄ (x = 0.00.56) by Solid-State Reaction: Synthesis and Characterization. **2020**, 29, 196-201
- 189 Copper-Doped Nickel Zinc Nanoferrites by Solution-Combustion Synthesis Using Sucrose as a Fuel. **2020**, 29, 208-212 1
- 188 Immobilization of vitamin B1 on the magnetic dialdehyde starch as an efficient carbene-type support for the copper complexation and its catalytic activity examination. **2022**, 170, 105106 0
- 187 Effect of sintering temperature on structural, magnetic, dielectric and optical properties of NiMnZn ferrites. 1
- 186 Synthesis and investigation of structural, morphological, and magnetic properties of the manganese doped cobalt-zinc spinel ferrite. **2021**, 896, 162966 1
- 185 Preparation and characterization of supercritical fluid - fried (CoAl₂O₄) cobalt blue nano-pigment. 1-7 0
- 184 Non-isothermal decomposition of lead oxalate-iron (II) oxalate mixture. DTA-TG, XRD, FT-IR and Mössbauer studies. **2021**, 15, 5841-5848 1
- 183 Natural fuel assisted synthesis of MgCu ferrite nanoparticles: Evaluation of structural, dielectric, magnetic and humidity sensing properties. **2021**, 1
- 182 Friction of magnetene, a non-van der Waals 2D material. **2021**, 7, eabk2041 4

181	Impact of Mg ²⁺ substitution on structural, magnetic and optical properties of Cu-Cd ferrites. 2022,	0
180	Magnetic induced asymmetric membrane: Effect of magnetic pattern to phenol removal by adsorption. 2022, 278, 125692	1
179	Synthesis and characterization of the MNP@SiO ₂ @TiO ₂ nanocomposite showing strong photocatalytic activity against methylene blue dye. 2022, 580, 152195	1
178	The removal of Pb (II) by La-MgFe ₂ O ₄ and its phosphorus-removal waste from aqueous solution. 2021,	
177	Synthesis, microstructure and magnetic properties of Co ²⁺ and Al ³⁺ substituted La-Zn nano ferrites. 2021, 584, 148-160	1
176	Simultaneous Adsorption of Toxic Dyes onto the Magnetite Decorated Multi-Walled Carbon Nanotubes: Statistical Optimization, Kinetics and Isotherms. 2021, 76, 422-434	
175	Enhanced oxalate-induced degradation of organic dyes using magnetic photo-Fenton catalysts based on CuFe ₂ O ₄ -Fe ₂ O ₃ composites. 1-10	
174	Effect of Ni ²⁺ substitution on DC electrical conductivity and magnetic properties of Ba _{1-x} Ni _x Fe ₂ O ₄ synthesized by citric acid gel method. 2022,	
173	Effect of Zr/Co Co-substitution on structural, electrical and magnetic properties of Ni _{0.75} Zn _{0.25} Fe ₂ O ₄ ferrites by sol-gel auto-combustion method. 2022, 128, 1	0
172	Synthesis and Structural, Dielectric and Photocatalytic Properties of (Ti, La)-co-Doped Calcium Ferrite Ceramic Powders. 1	1
171	Production of Cr ³⁺ substituted Li ₂ Zn nanocrystalline ferrite by citrate method: Studies on structure, cation occupancy, elastic, optical and magnetic performance. 2022,	0
170	Microwave-triggered low temperature thermal reduction of Zr-modified high entropy oxides with extraordinary thermochemical H ₂ production performance. 2022, 252, 115125	2
169	Structural, optical, electrical, dielectric, molecular vibrational and magnetic properties of La ³⁺ doped Mg _{1-x} Co _x ferrites prepared by Co-precipitation technique. 2022,	2
168	Effect of Ag doping on DC electrical resistivity, thermoelectrical power, VSM analysis and antimicrobial activity of copper-zinc nano-ferrites. 1	0
167	Wet-chemical synthesis of nanostructured Ce-doped mixed metal ferrites for the effective removal of azo dyes from industrial discharges. 2022,	5
166	Cadmium Substitution Effect on Microstructure and Magnetic Properties of Mg-Cu-Zn Ferrites. 2022, 8,	0
165	Boosted microwave absorption properties of CoFe ₂ O ₄ with extraordinary 3D morphologies. 2022,	5
164	Study of structural, optical, antibacterial, anticancer effects on MDA-MB-231 cell line and drug delivery characteristics of novel Ce _{4-x} Cs _{2(1+x)} Fe _{5-x} Zn _x O ₁₄ +[(0.45)] nanocomposite prepared via sol-gel synthesis technique. 2022, 29, 101746	0

163	Synthesis, Structural, Magnetic and High-Frequency Electrical Properties of Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ /Polypyrrole Core-Shell Composite Using Waste Batteries. 1	0
162	Exploring the influence of iron-deficient non-stoichiometry dominance on the crystal structure, morphological, electromagnetic, and magnetoelectric characteristics of (1-x)y [Ba _{0.90} Ca _{0.10} Ti _{0.90} Zr _{0.10} O ₃] + (y) [Ni _{0.25} Cu _{0.13} Zn _{0.62} Fe ₂ O ₄] _{x/2} composites. 2022 , 33, 5411	
161	Effect of heat treatment on structural, morphological, dielectric and magnetic properties of Mg ₂ N ferrite nanoparticles. 2022 ,	0
160	Impact of Cu ²⁺ cations substitution on structural, morphological, optical and magnetic properties of Co _{1-x} Cu _x Fe ₂ O ₄ nanoparticles synthesized by a facile hydrothermal approach. 2022 , 125, 106841	4
159	Magnetic-plasmonic properties of CoFe ₂ O ₄ @Au nanocomposite. 2022 , 164, 110630	1
158	Antibacterial activity of PANI coated CoFe ₂ O ₄ nanocomposite for gram-positive and gram-negative bacterial strains. 2022 , 31, 103229	2
157	Optical Characterization of Cobalt Ferrite and Magnetoelectric Cobalt Ferrite-Barium Titanate Core-Shell Nanoparticles in Infra-Red Range. 2022 , 1-1	
156	Enhancement of Room-Temperature Magnetoresistance in Polyvinyl Acetate Encapsulated Fe ₃ O ₄ Nanoparticles.	
155	Voltammetric picomolar determination of mercury, copper and cadmium using modified pencil graphite electrode with poly-L-cysteine and FeO nanoparticles.. 2022 , 189, 121	
154	Development of high-efficient double-layer microwave absorbers based on 3D cabbage-like CoFe ₂ O ₄ and cauliflower-like polypyrrole. 2022 ,	0
153	Structural, electrical, and magnetic studies of Cu ²⁺ substituted MnFe ₂ O ₄ nanoferrites synthesized via solution combustion technique. 2022 , 33, 7528-7542	3
152	Synthesis and Characterization of Paramomycin-loaded CoFe ₂ O ₄ /Polyethylene Glycol (Poly Lactic-co-glycolic Acid) Core-Shell Spheres for Treatment of Cutaneous Leishmaniasis. 1-14	
151	Eco-friendly synthesis of nano-sized cobalt ferrites and influence of pH variation on structural properties. 1-9	
150	The Structure, Magnetic, and Gas Sensing Characteristics of W-Substituted Co-Ferrite Nanoparticles. 2022 , 12, 393	0
149	Microwave Sol-Gel Synthesis of Co, Ni, Cu, Mn Ferrites and Investigation of Their Activity in the Oxidation Reaction of Carbon Monoxide. 2022 , 09,	
148	Band Edge Engineering of BiOX/CuFe ₂ O ₄ Heterostructures for Efficient Water Splitting. 2022 , 5, 3821-3833	3
147	Synthesis and rheological characterization of nano-magnetorheological fluid using inverse spinel ferrite (NiFe ₂ O ₄).	2
146	Dosage optimisation of magnetically retrievable zinc ferrite nanoparticles for photodegradation of methylene blue. 2022 , 1233, 012001	1

- 145 A Review on the Development of XRD in Ferrite Nanoparticles. 1 ○
- 144 Effect of Mg doping on magnetic, and dielectric properties of NiCr₂O₄ nanoparticles. **2022**, ○
- 143 Investigation on structural, optical, magnetic, and dielectric properties of calcium hexaferrite synthesized in presence of Azadirachta indica and Murraya koenigii leaves extract. **2022**,
- 142 Investigation of cationic distribution, Y θ angles, and optical and dielectric properties of as-synthesized cerium-doped cobalt nano-ferrites prepared by co-precipitation method. **2022**, 128, 1 ○
- 141 Structural, magnetic properties and hyperthermia efficiency of MF/CuAl₂O₄ multiferroic nanocomposite. **2022**, 77, 223-232
- 140 Influence of neodymium doping in tuning microstructural, optical and magneto-dielectric properties of nickel ferrite nanoparticles. **2022**, 285, 126094 ○
- 139 Investigating the structural and dielectric properties of CoFe₂Ni_xO₄ spinel ferrite. **2022**, 908, 164589 ○
- 138 Investigations on structural, magnetic, elastic and thermodynamic properties of lithium ferrite-silica nanocomposites. **2022**, 1260, 132771 ○
- 137 Preparation of Zinc Ferrite by Solid State Method and Its Characterizations. **2021**, 400, 2100070
- 136 Complete Micro-Structural Analysis and Elastic Properties of Sm³⁺-Doped Ni-Mn-Zn Mixed Spinel Ferrite Nanoparticles. **2021**, 400, 2100115 1
- 135 The effect of cobalt substitution on the structural and elastic properties of MnFe₂O₄ nanoparticles. **2021**, 29, 933-942
- 134 Green Synthesis and Pinning Behavior of Fe-Doped CuO/Cu₂O/Cu₄O₃ Nanocomposites. **2022**, 10, 729 ○
- 133 Lithium ferrite (Li_{0.5}Fe_{2.5}O₄): synthesis, structural, morphological and magnetic evaluation for storage devices. **2022**, 18, 3386-3395 1
- 132 To Facile the Study of Structural, Morphological Properties of Novel, Synthesised Nano Particles of Indium Doped Ni-Co Ferrite. **2022**, 38, 278-285
- 131 Interfacially polymerized and characterized electroactive Poly(3-chloroaniline) and Poly(3-chloroaniline)-nanocomposite-NiFe₂O₄ for antimicrobial studies. **2022**,
- 130 The impact of rare earth Nd³⁺ cations on structural, spectral, magnetic and dielectric parameters of NiFe₂O₄ nanoparticles. **2022**, 16, 392-400
- 129 From Low to High Saturation Magnetization in Magnetite Nanoparticles: The Crucial Role of the Molar Ratios Between the Chemicals.. **2022**, 7, 15996-16012 3
- 128 Synthesis and characterization of mixed ternary transition metal ferrite nanoparticles comprising cobalt, copper and binary cobalt-copper for high-performance supercapacitor applications. **2022**, 128, 1 ○

- 127 Effect of nickel substitution on structural and dielectric properties of Mg-Zn based spinel ferrite nanoparticles. **2022**, 97, 065802 0
- 126 The recycle of spent ZnO batteries and the synthesis of magnetic nanocomposite from graphene nanosheets and ferrite and its application for environmental remediation. **2022**, 18, 4267-4276 0
- 125 Effect of Al³⁺ substitution on structural, magnetic and dielectric properties of cobalt ferrite synthesized by sol-gel method and its correlation with cationic distribution. **2022**, 414017 0
- 124 Electrochemical Sensing of Dopamine and Epinephrine Using Self-assembled Fe₃O₄ Magnetic Nanoparticles on a Pyridine-grafted Glassy Carbon Electrode. 0
- 123 Effect of manganese doping on the structural, mechanical, optical, and magnetic properties of zinc ferrite nanoparticles. 1
- 122 Enhancement of room-temperature magnetoresistance in polyvinyl acetate encapsulated Fe₃O₄ nanoparticles. **2022**, 169468
- 121 Octahedron-shaped nano FeCo₂O₄ phase materials: Wet chemical synthesis and characterization studies. **2022**, 07, 0
- 120 Study of the Structural, Elastic, Optical, Electrical and Dielectric Properties of M_{0.5}Fe_{2.5}O₄ (M=Co and Mg) Synthesized by the Auto Combustion Method. 0
- 119 Enhanced visible light photocatalytic degradation of rhodamine B using Ni_{1-x}Ca_xFe₂O₄ (0 ≤ x ≤ 0.5) nanoparticles: performance, kinetics and mechanism. **2022**, 111911 0
- 118 Adsorption of tetracycline using CuCoFe₂O₄@Chitosan as a new and green magnetic nanohybrid adsorbent from aqueous solutions: Isotherm, kinetic and thermodynamic study. **2022**, 15, 104014 0
- 117 A comprehensive study on crystal structure, magnetic, and electrical properties of Ni-doped Fe₃O₄ spinel nano-ferrites. 1
- 116 The Effects of Sn Doping MnNiFeO₄ NTC Ceramic: Preparation, Microstructure and Electrical Properties. **2022**, 15, 4274 0
- 115 Structural, Electrical and Magnetic Studies of Ni_{0.7}Mn_{0.2}Cu_{0.1}Fe₂-Al₂O₃ (x=0, 0.05, 0.1, 0.15, 0.2 and 0.25) Nano-Ferrite Synthesized by Sol-gel Technique. **2022**, 0
- 114 Biomimetic surface accumulation on Fagus orientalis. 0
- 113 Synthesis and optical properties of citric acid (CA) doped ZnFe₂O₄ hybrid nanocomposite. **2022**, 1
- 112 Fascinating study of adding nanocomposite cobalt nano ferrite to silver nanoparticles accompanied magnetite impurity. 0
- 111 Influence of ultrasonic radiation on the structural, magnetic, electrical, and catalytic properties of NiFe₂O₄ nanoparticles. 1
- 110 Effect of Particle Size and Morphological Structure on the Physical Properties of NiFe₂O₄ for Supercapacitor Application. **2022**, 0

- 109 Structure and ac conductivity of (Cu/Co)Fe₂O₄ spinel materials. **2022,**
- 108 Structural, magnetic, and optical properties of Al³⁺ ion-substituted NiBa_{1-x}Co ferrite prepared via sol-gel method. 0
- 107 Characteristics of cerium doped aluminosilicate glass as simulated radioactive waste forms: Effect on structures and properties. **2022,** 150, 104299 1
- 106 Revealing plasmon-phonon interaction in nanocrystalline MgFe₂O₄ spinels by far-infrared reflection spectroscopy. **2022,** 149, 106889 1
- 105 Green Synthesis Magnetite (Fe₃O₄) Nanoparticles from Rhus Coriaria extract: A Characteristic Comparison with a Conventional Chemical Method. **2022,** 1-1
- 104 Ferrite characterization techniques. **2022,** 49-124
- 103 Plasma polymerized functional supermagnetic Fe₃O₄ nanostructured templates for laccase immobilization: A robust catalytic system for bio-inspired dye degradation. 0
- 102 Synthesis, characterization, elastic, and electro-magnetic properties of MFe₂O₄ ferrites (M = Co²⁺, Ni²⁺, Cu²⁺, Mg²⁺, and Zn²⁺) via sucrose auto-combustion.
- 101 Temperature- and frequency-dependent electrical characterization with humidity properties in MZC nanoferrites.
- 100 Solvent-Free Oxidation of Benzyl Alcohol Over Mechanochemically Prepared Fe₃BO₆TeO₂ Catalyst.
- 99 Study on structural, optical and magnetic properties of cobalt substituted magnetite nanoparticles for ferrofluid applications. **2022,** 0
- 98 Structural, optical, dielectric, and magnetic properties of spinel MFe₂O₄ (M = Co and Zn) nanoparticles synthesized by CTAB-assisted hydrothermal method. **2022,** 1
- 97 Effect of Sm³⁺ substitution on dc electrical resistivity and magnetic properties of NiCo ferrites. **2022,** 99, 100623
- 96 Biocompatible Tb doped Fe₃O₄ nanoparticles with enhanced heating efficiency for magnetic hyperthermia application. **2022,** 560, 169597 2
- 95 Dye degradation and antimicrobial applications of manganese ferrite nanoparticles synthesized by plant extracts. **2022,** 5, 100098 0
- 94 Effects of aluminum substitution on the microstructure and magnetic properties of cobalt ferrites prepared by the co-precipitation precursor. **2022,** 128, 0
- 93 Environment friendly synthesis of nickel ferrite nanoparticles using Brassica oleracea var. capitata (green cabbage) as a fuel and their structural and magnetic characterizations. **2022,** 290, 126483 1
- 92 Blend of neem oil based polyesteramide as magnetic nanofiber mat for efficient cancer therapy. **2022,** 103629

91	Nickel ferrite magnetic nanoparticles: evidence for superparamagnetism in smaller size particles.	0
90	Size variation and magnetic dilution effects on the structure and magnetic properties of cobalt zinc ferrite.	0
89	Physical Characterization, Optical Properties, and Magnetic Interactions of Cadmium-Doped Zinc Ferrite Nanoparticles.	0
88	Radiation-induced structural and electric properties of Al-substituted NiCuCd nanoparticles. 2022 , 33, 19036-19056	
87	Effect on structural, dc electrical resistivity, and magnetic properties by the substitution of Zn ²⁺ on Co-Cu nano ferrite. 2022 , 143, 109794	0
86	Influence of Gd-doping on structural, magnetic, and self-heating properties of Fe ₃ O ₄ nanoparticles towards magnetic hyperthermia applications. 2022 , 645, 414237	1
85	Dendrimer-based magneto-plasmonic nanosorbents for water quality monitoring using surface-enhanced Raman spectroscopy. 2022 , 283, 121730	0
84	Ultrasensitive electrochemical detection of hepatitis b virus surface antigen based on hybrid nanomaterials. 2022 , 182, 107958	0
83	Effect of Ni toward the optical and transport properties of the spinel solid solution Ni _x Cu _{1-x} Fe ₂ O ₄ nanoparticles. 2022 , 10, 108601	0
82	Heterogeneous photo-Fenton process over magnetically recoverable MnFe ₂ O ₄ /MXene hierarchical heterostructure for boosted degradation of tetracycline. 2022 , 33, 104449	1
81	Observation of intrinsic fluorescence in cobalt ferrite magnetic nanoparticles by Mn ²⁺ substitution and tuning the spin dynamics by cation distribution. 2022 , 10, 12652-12679	3
80	Some Important Parameters of LaFeO ₃ -Polyvinyl Alcohol Polymer Nanocomposites Obtained from X-ray Diffraction and FT-IR Data.	0
79	A rapid and sensitive method to detection of Cr ³⁺ by using the Fe ₃ O ₄ @Pectin-polymethacrylimide@graphene quantum dot as a sensitive material.	0
78	A Comparative Analysis of Structural, Optical and Electrical Properties of Polyaniline/Ferrite (Co, Ni, Cu, Zn) Composites.	0
77	A comparative study on the structural, magnetic and dielectric properties of magnesium substituted cobalt ferrites. 2022 ,	1
76	Study of the Structural and Magnetic Properties of a Novel Cola/Lah Nanocomposite Material.	0
75	NiCuCo ferrite synthesized using the sol-gel method: effects of the Cr ³⁺ ion concentration on its structural, electrical, and dielectric properties. 2022 , 128,	0
74	Morphology, structural and magnetic study of superparamagnetic Mg _{0.5} Zn _{0.5} Fe _{2-x} La _x O ₄ (0 ≤ x ≤ 1) ferrite nanoparticles synthesized by chem. 2022 ,	1

73	Nd ³⁺ added MgCd ferrite material study the thick film gas sensing properties. 2022 , 126871	0
72	Chemical Strategies for Dendritic Magneto-plasmonic Nanostructures Applied to Surface-Enhanced Raman Spectroscopy.	0
71	Exploring the optical and electrical characteristics of CuO/CuCo ₂ O ₄ composites. 2022 , 54, 265-285	0
70	Evaluation of microstructure, magnetic properties and catalytic application of Co ²⁺ and Cr ³⁺ doped Ni- Zn spinel ferrite. 2022 , 598, 169-186	0
69	Tumor necrosis factor-alpha antibody labeled-polyethylene glycol-coated nanoparticles: A mesenchymal stem cells-based drug delivery system in the rat model of cisplatin-induced nephrotoxicity. 2475-2490	0
68	Sol-Gel Synthesis and Characterization of Yttrium-Doped MgFe ₂ O ₄ Spinel. 2022 , 15, 7547	0
67	Structural, electrical and magnetic properties of (Cu/Co)Fe ₂ O ₄ spinel ferrite materials. 2022 , 128,	0
66	Impact of erbium on structural, optical, magnetic and photocatalytic performance of Co-Mn nanoferrites. 2022 , 97, 125801	0
65	Chitosan/Graphite/Polyvinyl Alcohol Magnetic Hydrogel Microspheres for Decontamination of Reactive Orange 16 Dye. 2022 , 14, 3411	1
64	Palladium Decorated, Amine Functionalized Ni-, Cd- and Co-Ferrite Nanospheres as Novel and Effective Catalysts for 2,4-Dinitrotoluene Hydrogenation. 2022 , 23, 13197	1
63	Strain-Magneto-optics in Single Crystals of CoFe ₂ O ₄ . 2022 , 8, 135	0
62	Green Synthesis of Fe ₃ O ₄ Nanoparticles and its Applications in Wastewater Treatment..	0
61	Pechini citrate-gel synthesised In ³⁺ substituted X-type barium zinc hexaferrites: An investigation on structural, optical, magnetic and dielectric properties. 2022 , 126947	0
60	Effect of Ni ²⁺ substitution on structural, magnetic and electrical traits of Ba _{1-x} Ni _x Fe ₂ O ₄ . 2022 , 33, 103843	0
59	Study on the crystal structure and magnetic properties of Zn-Cu-Co nano ferrite doped with Yb ³⁺ . 2023 , 931, 167527	0
58	Physical properties of substituted M _{0.5} Fe _{2.5} O ₄ ferrite spinels with M=(Mn and Zn). 2023 , 931, 167479	1
57	Influence of Al ³⁺ -Gd ³⁺ co-substitution on the structural, morphological, magnetic and optical properties of nickel ferrite nanoparticles.	0
56	Composite magnetic sheet as sorbent for oil spill Clean-up. 2022 ,	0

- 55 NiFe₂O₄/ZnO nanoparticles and its composite with flat 2D rGO sheets for efficient degradation of colored and colorless effluents photocatalytically. **2022**, 134, 113213 ○
- 54 Magnetic Zinc Oxide/Manganese Ferrite Composite for Photodegradation of the Antibiotic Rifampicin. **2022**, 15, 8185 ○
- 53 Structural, Magnetic Evaluation of Neodymium Doped Nickel-Zinc-Iron Soft Spinel Metal Oxides for Humidity Sensor Applications. **2022**, 49, 72-84 ○
- 52 Improved Electrical Properties of Strontium Hexaferrite Nanoparticles by Co²⁺ Substitutions. **2022**, 7, 43432-43439 ○
- 51 Simultaneous adsorptive/photocatalytic removal of organic dyes and hexavalent chromium in single and binary component systems by manganese ferrite nanoparticles.. **2022**, 12, ○
- 50 Microstructure, elastic modulus, and magnetic properties of Ni_{1-x}Zn_xCo ferrite-doped Sm³⁺. **2023**, 129, ○
- 49 Green Synthesis of Fe₃O₄ Nanoparticles and Its Applications in Wastewater Treatment. **2022**, 10, 260 1
- 48 Effect of TiO₂ on surface spins disorder of MgFe₂O₄ nanoparticles. **2023**, 129, ○
- 47 Effect of Al³⁺doping on dielectric properties of cobalt ferrite nanoparticle for using in high frequency applications. ○
- 46 Structural and magnetic analysis of Cd-Zn spinel ferrite nanoparticles. ○
- 45 Impact of different magnetic materials added to silvermagnetite nanoparticles on the structural, magnetic and antimicrobial properties. ○
- 44 The effect of transition metal substitution on the structural, elastic, optical, electrical and dielectric properties of M_{0.5}Fe₂□_{0.5}O₄ (M=Co and Mg) synthesized by the auto combustion method. **2023**, 296, 127297 ○
- 43 Solar photocatalytic degradation of Methyl green on CuFe₂O₄/Fe₂O₃ heterojunction. **2023**, 148, 110361 ○
- 42 Influence of Mg²⁺ and Ce³⁺ substituted on synthesis, structural, morphological, electrical, and magnetic properties of cobalt nano ferrites. **2023**, 149, 110405 ○
- 41 Effect of La³⁺and Ni²⁺ substitution on Sr_{1-x}La_xFe_{12-y}Ni_yO₁₉ hexaferrite structural, magnetic, and dielectric properties. **2023**, 289, 116257 ○
- 40 Effect of sintering temperature on structural, morphological, magnetic, and electrochemical properties of Mn_{0.3}Co_{0.2}Zn_{0.5}Fe₂O₄ Ferrite. ○
- 39 Fast and Facile Microwave Synthesis of Cubic CuFe₂O₄ Nanoparticles for Electrochemical CO₂ Reduction. 2200184 ○
- 38 Study on the structure and magnetic transformation of magnesium substituted cobalt spinel-type ferrite. **2023**, 34, ○

- 37 Role of site selective substitution, magnetic parameter tuning, and self heating in magnetic hyperthermia application: Eu-doped magnetite nanoparticles. **2023**, 13, 5045-5057 ○
- 36 Fabrication of low-cost p-n heterostructure room temperature LPG sensing properties of Polyaniline/Copper ferrite composite. **2023**, 34, ○
- 35 A novel highly sensitive compilation-detachment fluorescence sensing strategy based on RNA-cleavage DNAzyme for MDA-MB-231 breast cancer biomarker determination. ○
- 34 Greener synthesis of lightweight, self-standing PMMA / CoFe₂O₄ polymeric film for magnetic, electronic, and terahertz shielding applications. ○
- 33 The Effect of Annealing Temperature on the Structural and Magnetic Properties of Lanthanum Doped Cobalt Ferrite with the Bengawan Solo River Fine Sediment as the Source of Fe³⁺. 940, 11-20 ○
- 32 Research on the physical properties of LiMn_{0.5}Fe₂O₄ spinel ferrites by the combination of optical, magnetic, and dielectric behaviors. **2023**, 13, 9260-9272 ○
- 31 Electro-optical behaviour of CuFe₂O₄@rGO nanocomposite for nonenzymatic detection of uric acid via the electrochemical method. ○
- 30 Structure, magnetic morphology and magnetization correlations in pulsed laser deposited CoFe₂O₄ (. **2023**, 770, 139763 ○
- 29 Solar cells containing two novel superparamagnetic nanocomposites of Fe₃O₄-TiO₂-poly(m-aminobenzenesulfonic acid). **2023**, 295, 117335 ○
- 28 Magnetic and structural characterization of Sn doped cobalt ferrites; A visible light-driven photocatalysts for degradation of rhodamine-B and modeling the process by artificial intelligence tools. **2023**, 947, 169572 ○
- 27 Synthesis, structural, magnetic, and dielectric properties of Ni²⁺, Mn²⁺ Co-substituted CoFe₂O₄ nanoferrites using sol-gel auto combustion method. **2023**, 292, 116411 ○
- 26 Zn/Ba nanoparticles doping effect on surface interface, Morphology, and dielectric elucidation of spinel ferrites. **2023**, 38, 102862 ○
- 25 Preparation and optical properties of highly transparent MgAl_{1.9}Ga_{0.1}O₄ ceramics via aqueous gel-casting method. **2023**, 43, 4506-4516 ○
- 24 La³⁺ substitution impact on structural, magnetic, and electrical properties of CoFe₂O₄ synthesized via sucrose auto-combustion. **2023**, 10, 026101 ○
- 23 Influence of calcination temperature on physical and optical properties of nickel chromite nanoparticles. **2022**, 54, 457-468 ○
- 22 Cu²⁺ substituted Mg-Co ferrite has improved dc electrical resistivity and magnetic properties. **2023**, 149, 110452 ○
- 21 Coexistence of superparamagnetism and superspin glass in non-stoichiometric Zn_{0.5}Ca_{0.5}Fe₂O₄ nanoferrite. **2023**, 570, 170466 ○
- 20 Synthesis, characterization and electrical properties of polypyrrole/Mn_{0.8}Zn_{0.2}Fe₂O₄/GO ternary hybrid composites using spent Zn-C batteries. **2023**, 105, 781-792 ○

- 19 Investigation of structural and magnetic properties of novel Zn-substituted NiMg ferrites. **2023**, 34, ○
- 18 Efficient antibacterial activities and photocatalytic degradation of congo red dye by $Cu_xMg_{0.8-x}Fe_2O_4$ nanoparticles synthesized by combustion method. **2023**, 34, ○
- 17 $Co_3O_4/CoFe_2O_4$ Hollow Nanocube Multifunctional Nanozyme with Oxygen Vacancies for Deep-Learning-Assisted Smartphone Biosensing and Organic Pollutant Degradation. **2023**, 15, 11787-11801 ○
- 16 Correlating the rheological and magneto-optical properties of cobalt substituted magnetite ferrofluids ($Co_xFe_{1-x}Fe_2O_4$) with theoretical studies. **2023**, 17, 100382 ○
- 15 Magnetodielectric Comparison Study Between Microwave and Conventional Sintered NiCuZn Ferrites. **2023**, 407, ○
- 14 Sorbents based on biopolymers of different origin containing magnetite for removal of oil products and toxic ions from water. **2023**, 14, 121-132 ○
- 13 Improved magnetic and dielectric quality factors with low losses in rare earth (Eu) substituted Co-Ni-Zn ferrites for high frequency devices. **2023**, 46, 106320 ○
- 12 Realizing Antiferromagnetic-Ferromagnetic Transition and Giant Enhancement of Magnetism in $Co(Ga_{2-x}Fe_x)O_4$ Spinel Ferrites. ○
- 11 Study of thermal, structural, microstructural, vibrational and elastic properties of Mn $Mg_{0.8-x}Mn_{0.2}Fe_2O_4$ (0.1 x 0.7) ferrite nanoparticles. **2023**, ○
- 10 Study on structure and magnetic properties of NiCo co-substituted $ZnFe_2O_4$ prepared by sol-gel method. **2023**, 129, ○
- 9 Effect of Dy^{3+} substitution on structural and magnetodielectric properties of Mn_xZn ferrites synthesized by microwave hydrothermal method. **2023**, 34, ○
- 8 A thorough Investigation of Rare-Earth Dy^{3+} Substituted Cobalt-Chromium Ferrite and Its Magnetoelectric Nanocomposite. **2023**, 13, 1165 ○
- 7 Nanoparticle Preparation Procedure tune of physical, antibacterial, and photocatalyst properties on silver substituted cobalt ferrite. **2023**, 18, 101085 ○
- 6 Fascinating study of elastic, FTIR, and antimicrobial properties of silver nanochromite at different annealing temperatures. ○
- 5 Characteristics of the microstructure, magnetic and antibacterial properties of silver-substituted cobalt ferrite nanoparticles from the sol-gel method. **2023**, ○
- 4 Impact of Adsorption of Rare-Earth Elements on the Structure and Magnetic Parameters of Nanostructured Ceramic Oxides Containing Mg Nano Spinel Ferrite. **2023**, 12, 044010 ○
- 3 Elastic and dielectric properties of nano-crystalline Dy^{3+} substituted zincchromium ferrite. **2023**, 34, ○
- 2 M-type hexagonal ferrite for microwave absorption applications. **2023**, 279-293 ○

- 1 Significant magnetoelectric enhancement of composite films of $\text{CoZn}_x\text{Fe}_{2-x}\text{O}_4$ particles and poly(vinylidene fluoride-trifluoroethylene) for AC magnetic sensors. **2023**,

o