

Abdulahadi Baykal

List of Publications by Year in descending order

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525
papers

19,787
citations

8755

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h-index

33894

99
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536
all docs

536
docs citations

536
times ranked

11002
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Fe ₃ O ₄ nanoparticles at 100°C and its magnetic characterization. Journal of Alloys and Compounds, 2009, 472, 18-23.	5.5	237
2	Cation distribution and magnetic properties of Zn doped NiFe ₂ O ₄ nanoparticles synthesized by PEG-assisted hydrothermal route. Journal of Alloys and Compounds, 2009, 479, 49-55.	5.5	223
3	Structural and magnetic properties of Co _x Zn _{1-x} Fe ₂ O ₄ nanocrystals synthesized by microwave method. Polyhedron, 2009, 28, 2887-2892.	2.2	217
4	Correlation Between Composition and Electrodynamics Properties in Nanocomposites Based on Hard/Soft Ferrimagnetics with Strong Exchange Coupling. Nanomaterials, 2019, 9, 202.	4.1	213
5	Synthesis and characterization of Co _x Zn _{1-x} Fe ₂ O ₄ magnetic nanoparticles via a PEG-assisted route. Journal of Magnetism and Magnetic Materials, 2009, 321, 2170-2177.	2.3	190
6	Enhanced magneto-optical and photo-catalytic properties of transition metal cobalt (Co ²⁺ ions) doped spinel MgFe ₂ O ₄ ferrite nanocomposites. Journal of Magnetism and Magnetic Materials, 2018, 452, 380-388.	2.3	180
7	Microwave synthesis and characterization of Zn-doped nickel ferrite nanoparticles. Journal of Alloys and Compounds, 2009, 486, 325-329.	5.5	175
8	The Large Observatory for X-ray Timing (LOFT). Experimental Astronomy, 2012, 34, 415-444.	3.7	168
9	Microwave-assisted combustion synthesis of CoFe ₂ O ₄ with urea, and its magnetic characterization. Scripta Materialia, 2007, 57, 441-444.	5.2	156
10	CTAB-assisted hydrothermal synthesis of NiFe ₂ O ₄ and its magnetic characterization. Journal of Alloys and Compounds, 2008, 464, 514-518.	5.5	155
11	Structural and magnetic properties of Ce-doped strontium hexaferrite. Ceramics International, 2018, 44, 9000-9008.	4.8	151
12	Structural, morphological, enhanced magnetic properties and antibacterial bio-medical activity of rare earth element (REE) cerium (Ce ³⁺) doped CoFe ₂ O ₄ nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 476, 157-165.	2.3	139
13	Magnetic, dielectric and microwave properties of Mn ²⁺ -Ti substituted barium hexaferrites (M=Mn ²⁺). Journal of Magnetism and Magnetic Materials, 2018, 452, 138-144.	4.8	138
14	Magneto-optical and microstructural properties of spinel cubic copper ferrites with Li-Al co-substitution. Ceramics International, 2018, 44, 14242-14250.	4.8	138
15	Yafet-Kittel-type magnetic order in Zn-substituted cobalt ferrite nanoparticles with uniaxial anisotropy. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	132
16	Synthesis and characterization of ZnFe ₂ O ₄ magnetic nanoparticles via a PEG-assisted route. Journal of Alloys and Compounds, 2008, 462, 209-213.	5.5	129
17	L-lysine coated iron oxide nanoparticles: Synthesis, structural and conductivity characterization. Journal of Alloys and Compounds, 2009, 484, 371-376.	5.5	129
18	Correlation between microstructure parameters and anti-cancer activity of the [Mn _{0.5} Zn _{0.5}](EuxNd _x Fe _{2-2x})O ₄ nanoferrites produced by modified sol-gel and ultrasonic methods. Ceramics International, 2020, 46, 7346-7354.	4.8	128

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19	Impact of Eu ³⁺ ion substitution on structural, magnetic and microwave traits of Ni ²⁺ -Cu ²⁺ -Zn spinel ferrites. <i>Ceramics International</i> , 2020, 46, 11124-11131.	4.8	126
20	Magnetic and dielectric properties of Mn _{0.2} Ni _{0.8} Fe ₂ O ₄ nanoparticles synthesized by PEG-assisted hydrothermal method. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2235-2244.	1.9	124
21	Enhanced magnetic property and antibacterial biomedical activity of Ce ³⁺ doped CuFe ₂ O ₄ spinel nanoparticles synthesized by sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 478, 140-147.	2.3	124
22	Hydrothermal synthesis of Co _y Zn _y Mn _{1-2y} Fe ₂ O ₄ nanoferrites: Magneto-optical investigation. <i>Ceramics International</i> , 2018, 44, 5751-5759.	4.8	120
23	Synthesis and magnetic characterization of Zn _{0.6} Ni _{0.4} Fe ₂ O ₄ nanoparticles via a polyethylene glycol-assisted hydrothermal route. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 157-162.	2.3	119
24	Synthesis and magnetic characterization of Zn _{0.7} Ni _{0.3} Fe ₂ O ₄ nanoparticles via microwave-assisted combustion route. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 866-871.	2.3	117
25	Uptake and translocation of magnetite (Fe ₃ O ₄) nanoparticles and its impact on photosynthetic genes in barley (<i>Hordeum vulgare</i> L.). <i>Chemosphere</i> , 2019, 226, 110-122.	8.2	117
26	Synthesis, conductivity and dielectric characterization of salicylic acid-Fe ₃ O ₄ nanocomposite. <i>Materials Chemistry and Physics</i> , 2010, 123, 184-190.	4.0	111
27	Magneto-optical properties of rare earth metals substituted Co-Zn spinel nanoferrites. <i>Ceramics International</i> , 2019, 45, 3449-3458.	4.8	111
28	Reflux synthesis of Co ₃ O ₄ nanoparticles and its magnetic characterization. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2145-2149.	2.3	110
29	Synthesis of magnetically recyclable MnFe ₂ O ₄ @SiO ₂ @Ag nanocatalyst: Its high catalytic performances for azo dyes and nitro compounds reduction. <i>Applied Surface Science</i> , 2016, 376, 16-25.	6.1	110
30	Influence of the dysprosium ions on structure, magnetic characteristics and origin of the reflection losses in the Ni ²⁺ -Co spinels. <i>Journal of Alloys and Compounds</i> , 2020, 841, 155667.	5.5	109
31	Structural, optical and magnetic properties of Tm ³⁺ substituted cobalt spinel ferrites synthesized via sonochemical approach. <i>Ultrasonics Sonochemistry</i> , 2019, 54, 1-10.	8.2	108
32	Influence of the charge ordering and quantum effects in heterovalent substituted hexaferrites on their microwave characteristics. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1193-1202.	5.5	105
33	Facile combustion synthesis, structural, morphological, optical and antibacterial studies of Bi ^{1-x} Al ^x FeO ₃ (0.0 ≤ x ≤ 0.15) nanoparticles. <i>Ceramics International</i> , 2018, 44, 13247-13252.	4.8	104
34	Strong correlation between Dy ³⁺ concentration, structure, magnetic and microwave properties of the [Ni _{0.5} Co _{0.5}](Dy _x Fe _{2-x})O ₄ nanosized ferrites. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 251-259.	5.8	103
35	Magnetic and microwave properties of SrFe ₁₂ O ₁₉ /MCo _{0.04} Fe _{1.96} O ₄ (M = Cu, Ni, Mn, Co and Zn) hard/soft nanocomposites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5858-5870.	5.8	102
36	Sonochemical synthesis and physical properties of Co _{0.3} Ni _{0.5} Mn _{0.2} EuxFe _{2-x} O ₄ nano-spinel ferrites. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104654.	8.2	99

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37	Investigation of structural and physical properties of Eu ³⁺ ions substituted Ni _{0.4} Cu _{0.2} Zn _{0.4} Fe ₂ O ₄ spinel ferrite nanoparticles prepared via sonochemical approach. Results in Physics, 2020, 17, 103061.	4.1	99
38	Magnetic and structural characterization of Nb ³⁺ -substituted CoFe ₂ O ₄ nanoparticles. Ceramics International, 2019, 45, 8222-8232.	4.8	98
39	Impact of ZnO addition on structural, morphological, optical, dielectric and electrical performances of BaTiO ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 9520-9530.	2.2	97
40	A novel synthetic route to Mn ₃ O ₄ nanoparticles and their magnetic evaluation. Physica B: Condensed Matter, 2008, 403, 3760-3764.	2.7	96
41	Temperature dependent magnetic properties of CoFe ₂ O ₄ /CTAB nanocomposite synthesized by sol-gel auto-combustion technique. Ceramics International, 2013, 39, 6551-6558.	4.8	96
42	Structural, morphological and magneto-optical properties of CuMoO ₄ electrochemical nanocatalyst as supercapacitor electrode. Ceramics International, 2018, 44, 20075-20083.	4.8	95
43	Magnetic Attributes of NiFe ₂ O ₄ Nanoparticles: Influence of Dysprosium Ions (Dy ³⁺) Substitution. Nanomaterials, 2019, 9, 820.	4.1	95
44	Effect of dysprosium substitution on magnetic and structural properties of NiFe ₂ O ₄ nanoparticles. Journal of Rare Earths, 2019, 37, 871-878.	4.8	93
45	Peculiarities of the microwave properties of hard-soft functional composites SrTb _{0.01} Tm _{0.01} Fe _{11.98} O ₁₉ AFe ₂ O ₄ (A = Co, Ni, Zn, Cu, or Mn). RSC Advances, 2020, 10, 32638-32651.		92
46	Exchange spring magnetic behavior of Sr _{0.3} Ba _{0.4} Pb _{0.3} Fe ₁₂ O ₁₉ /(CuFe ₂ O ₄) _x nanocomposites fabricated by a one-pot citrate sol-gel combustion method. Journal of Alloys and Compounds, 2018, 762, 389-397.	5.5	90
47	Ce-Nd Co-substituted nanospinel cobalt ferrites: An investigation of their structural, magnetic, optical, and apoptotic properties. Ceramics International, 2019, 45, 16147-16156.	4.8	90
48	Impact of La ³⁺ and Y ³⁺ ion substitutions on structural, magnetic and microwave properties of Ni _{0.3} Cu _{0.3} Zn _{0.4} Fe ₂ O ₄ nanospinel ferrites synthesized via sonochemical route. RSC Advances, 2019, 9, 30671-30684.	3.6	90
49	l-Histidine coated iron oxide nanoparticles: Synthesis, structural and conductivity characterization. Journal of Alloys and Compounds, 2010, 505, 172-178.	5.5	89
50	Ni _{0.4} Cu _{0.2} Zn _{0.4} TbxFe _{2-x} O ₄ nanospinel ferrites: Ultrasonic synthesis and physical properties. Ultrasonics Sonochemistry, 2019, 59, 104757.	8.2	89
51	Influence of WO ₃ nanowires on structural, morphological and flux pinning ability of YBa ₂ Cu ₃ O _y superconductor. Ceramics International, 2019, 45, 2621-2628.	4.8	89
52	Investigation of structural, morphological, optical, magnetic and dielectric properties of (1-x)BaTiO ₃ /xSr _{0.92} Ca _{0.04} Mg _{0.04} Fe ₁₂ O ₁₉ composites. Journal of Magnetism and Magnetic Materials, 2020, 510, 166933.	2.3	89
53	Structural and magnetic properties of Ce-Y substituted strontium nanohexaferrites. Ceramics International, 2018, 44, 12511-12519.	4.8	88
54	Effect of Cr ³⁺ substitution on AC susceptibility of Ba hexaferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 458, 204-212.	2.3	88

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55	Structural, magnetic and electrochemical characterizations of Bi ₂ Mo ₂ O ₉ nanoparticle for supercapacitor application. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 486, 165254.	2.3	88
56	Effect of bimetallic (Ca, Mg) substitution on magneto-optical properties of NiFe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2019, 45, 6021-6029.	4.8	88
57	Surface spin disorder and spin-glass-like behaviour in manganese-substituted cobalt ferrite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	87
58	Effect of Nb ³⁺ Substitution on the Structural, Magnetic, and Optical Properties of Co _{0.5} Ni _{0.5} Fe ₂ O ₄ Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 430.	4.1	86
59	The effect of Nb substitution on magnetic properties of BaFe ₁₂ O ₁₉ nanohexaferrites. <i>Ceramics International</i> , 2019, 45, 1691-1697.	4.8	84
60	Green synthesis of superparamagnetic Fe ₃ O ₄ nanoparticles with maltose: Its magnetic investigation. <i>Polyhedron</i> , 2013, 65, 282-287.	2.2	83
61	Study of tungsten oxide effect on the performance of BaTiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13509-13518.	2.2	82
62	Rapid color degradation of organic dyes by Fe ₃ O ₄ @His@Ag recyclable magnetic nanocatalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 27, 347-353.	5.8	81
63	Magnetic and microwave properties of BaFe ₁₂ O ₁₉ substituted with magnetic, non-magnetic and dielectric ions. <i>Ceramics International</i> , 2015, 41, 9602-9609.	4.8	81
64	Structural, magnetic, optical properties and cation distribution of nanosized Ni _{0.3} Cu _{0.3} Zn _{0.4} Tm _x Fe _{2-x} O ₄ (0.0 ≤ x ≤ 0.10) spinel ferrites synthesized by ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 203-211.	3.2	81
65	Frequency and dc bias voltage dependent dielectric properties and electrical conductivity of BaTiO ₃ SrTiO ₃ /(SiO ₂) _x nanocomposites. <i>Ceramics International</i> , 2019, 45, 11989-12000.	4.8	81
66	Synthesis of Electrospun TiO ₂ Nanofibers and Characterization of Their Antibacterial and Antibiofilm Potential against Gram-Positive and Gram-Negative Bacteria. <i>Antibiotics</i> , 2020, 9, 572.	3.7	81
67	Tuning the Structure, Magnetic, and High Frequency Properties of Sc-Doped Sr _{0.5} Ba _{0.5} Sc _x Fe _{12-x} O ₁₉ /NiFe ₂ O ₄ Hard/Soft Nanocomposites. <i>Advanced Electronic Materials</i> , 2022, 8, .	8.1	81
68	Structural, morphological and magnetic properties of hard/soft SrFe _{12-x} V _x O ₁₉ /(Ni _{0.5} Mn _{0.5} Fe ₂ O ₄) _y nanocomposites: Effect of vanadium substitution. <i>Journal of Alloys and Compounds</i> , 2018, 767, 966-975.	5.5	80
69	Microstructural and magnetic investigation of vanadium-substituted Sr-nanohexaferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 124-132.	2.3	80
70	Magnetic and optical properties of Zn ²⁺ ion substituted barium hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 430, 29-35.	2.3	79
71	Synthesis, structural and conductivity characterization of alginate-Fe ₃ O ₄ nanocomposite. <i>Journal of Nanoparticle Research</i> , 2010, 12, 3039-3048.	1.9	78
72	Impact of Nd-Zn co-substitution on microstructure and magnetic properties of SrFe ₁₂ O ₁₉ nanohexaferrite. <i>Ceramics International</i> , 2019, 45, 963-969.	4.8	78

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73	Substitution effect of Cr ³⁺ on hyperfine interactions, magnetic and optical properties of Sr-hexaferrites. <i>Ceramics International</i> , 2018, 44, 15995-16004.	4.8	77
74	Sonochemical synthesis of Eu ³⁺ substituted CoFe ₂ O ₄ nanoparticles and their structural, optical and magnetic properties. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104621.	8.2	77
75	Manganese/Yttrium Codoped Strontium Nano-hexaferrites: Evaluation of Magnetic Susceptibility and Mossbauer Spectra. <i>Nanomaterials</i> , 2019, 9, 24.	4.1	77
76	Features of structure, magnetic state and electrodynamic performance of SrFe ₁₂ xIn _x O ₁₉ . <i>Scientific Reports</i> , 2021, 11, 18342.	3.3	77
77	Structural parameters, energy states and magnetic properties of the novel Se-doped NiFe ₂ O ₄ ferrites as highly efficient electrocatalysts for HER. <i>Ceramics International</i> , 2022, 48, 24866-24876.	4.8	77
78	Impact of manganese ferrite (MnFe ₂ O ₄) nanoparticles on growth and magnetic character of barley (<i>Hordeum vulgare</i> L.). <i>Environmental Pollution</i> , 2018, 243, 872-881.	7.5	76
79	Review on recent advances of zinc substituted cobalt ferrite nanoparticles: Synthesis characterization and diverse applications. <i>Ceramics International</i> , 2021, 47, 10512-10535.	4.8	76
80	Conductivity Study of Polyaniline-Cobalt Ferrite (PANI-CoFe ₂ O ₄) Nanocomposite. <i>Nano-Micro Letters</i> , 2011, 3, 99-107.	27.0	75
81	Synthesis and characterization of CuFe ₂ O ₄ nanorods synthesized by polyol route. <i>Journal of Alloys and Compounds</i> , 2010, 493, 493-498.	5.5	74
82	Mössbauer Studies and Magnetic Properties of Cubic CuFe ₂ O ₄ Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 557-564.	1.8	74
83	AC susceptibility investigation of YBCO superconductor added by carbon nanotubes. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152150.	5.5	74
84	Role of WO ₃ nanoparticles in electrical and dielectric properties of BaTiO ₃ –SrTiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7786-7797.	2.2	74
85	Covalent immobilization of invertase on PAMAM-dendrimer modified superparamagnetic iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010, 12, 3057-3067.	1.9	73
86	Microstructural, Optical, and Magnetic Properties of Vanadium-Substituted Nickel Spinel Nanoferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 1057-1065.	1.8	72
87	Morphology and magnetic traits of strontium nano-hexaferrites: Effects of manganese/yttrium co-substitution. <i>Journal of Rare Earths</i> , 2019, 37, 732-740.	4.8	72
88	Improvement of flux pinning ability by tungsten oxide nanoparticles added in YBa ₂ Cu ₃ O _y superconductor. <i>Ceramics International</i> , 2019, 45, 6828-6835.	4.8	71
89	Enhancement on the exchange coupling behavior of SrCo _{0.02} Zr _{0.02} Fe _{11.96} O ₁₉ /MFe ₂ O ₄ (M ²⁺ =Co, Ni, Cu). <i>Tj ETQq1</i> 1 0.784314 2020, 499, 166308.	2.3	71
90	Functional Sr _{0.5} Ba _{0.5} Sm _{0.02} Fe _{11.98} O ₄ /x(Ni _{0.8} Zn _{0.2} Fe ₂ O ₄) Hard–Soft Ferrite Nanocomposites: Structure, Magnetic and Microwave Properties. <i>Nanomaterials</i> , 2020, 10, 2134.	4.1	71

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91	Fabrication and characterization of Fe ₃ O ₄ @APTES@PAMAM-Ag highly active and recyclable magnetic nanocatalyst: Catalytic reduction of 4-nitrophenol. <i>Materials Research Bulletin</i> , 2014, 60, 79-87.	5.2	69
92	Structural, morphological, optical, cation distribution and Mössbauer analysis of Bi ³⁺ substituted strontium hexaferrite. <i>Ceramics International</i> , 2016, 42, 8627-8635.	4.8	69
93	Synthesis and characterization of dl-thioctic acid (DLTA)-Fe ₃ O ₄ nanocomposite. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9218-9225.	5.5	68
94	Magneto-optical properties of Mn ³⁺ substituted Fe ₃ O ₄ nanoparticles. <i>Ceramics International</i> , 2015, 41, 10915-10922.	4.8	68
95	Synthesis and characterization of l-carnosine coated iron oxide nanoparticles. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2555-2561.	5.5	67
96	Acid Functionalized Multiwall Carbon Nanotube/Magnetite (MWCNT)-COOH/Fe ₃ O ₄ Hybrid: Synthesis, Characterization and Conductivity Evaluation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 726-735.	3.7	66
97	A novel green synthesis and characterization of Ag NPs with its ultra-rapid catalytic reduction of methyl green dye. <i>Applied Surface Science</i> , 2014, 290, 499-503.	6.1	66
98	Structural investigation and hyperfine interactions of BaBi _x La _x Fe _{12-2x} O ₁₉ (0.0 ≤ x ≤ 0.5) hexaferrites. <i>Ceramics International</i> , 2016, 42, 3380-3387.	4.8	66
99	Size effect of iron (III) oxide nanomaterials on the growth, and their uptake and translocation in common wheat (<i>Triticum aestivum</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110377.	6.0	66
100	Enhanced Opto-Magneto Properties of Ni _x Mg _{1-x} Fe ₂ O ₄ (0.0 ≤ x ≤ 1.0) Ferrites Nano-Catalysts. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2017, 12, 1326-1333.	0.5	66
101	Characterization of NiFe ₂ O ₄ nanoparticles synthesized by various methods. <i>Chemical Papers</i> , 2009, 63, .	2.2	65
102	Synthesis and characterization of Piperidine-4-carboxylic acid functionalized Fe ₃ O ₄ nanoparticles as a magnetic catalyst for Knoevenagel reaction. <i>Materials Research Bulletin</i> , 2012, 47, 2480-2486.	5.2	65
103	Structural, magneto-optical properties and cation distribution of SrBi _x La _x Y _x Fe _{12-3x} O ₁₉ (0.0 ≤ x ≤ 1.0) Tj ETOq1 1 0.784314 5.2 64	5.2	64
104	Structural, magnetic, optical properties and cation distribution of nanosized Co _{0.7} Zn _{0.3} Tm _x Fe _{2-x} O ₄ (0.0 ≤ x ≤ 0.04) spinel ferrites synthesized by ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , 2018, 25, 104638.	2.58	64
105	Review on functional bi-component nanocomposites based on hard/soft ferrites: Structural, magnetic, electrical and microwave absorption properties. <i>Nano Structures Nano Objects</i> , 2021, 26, 100728.	3.5	63
106	The Temperature Effect on Magnetic Properties of NiFe ₂ O ₄ Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1587-1597.	3.7	62
107	Review on Recent Advances of Synthesis, Magnetic Properties, and Water Treatment Applications of Cobalt Ferrite Nanoparticles and Nanocomposites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 995-1018.	1.8	62
108	Structural and Magnetic Properties of Co _{0.5} Ni _{0.5} Ga _{0.01} Gd _{0.01} Fe _{1.98} O ₄ /ZnFe ₂ O ₄ Spinel Ferrite Nanocomposites: Comparative Study between Sol-Gel and Pulsed Laser Ablation in Liquid Approaches. <i>Nanomaterials</i> , 2021, 11, 2461.	4.1	62

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109	Magnetic and optical properties of $\text{Cu}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ nanoparticles dispersed in a silica matrix by a sol-gel auto-combustion method. <i>Ceramics International</i> , 2015, 41, 231-239.	4.8	61
110	Polyvinylpyrrolidone (PVP)/ MnFe_2O_4 nanocomposite: Sol-gel autocombustion synthesis and its magnetic characterization. <i>Ceramics International</i> , 2013, 39, 5651-5658.	4.8	58
111	Calcination effect on the magneto-optical properties of vanadium substituted NiFe_2O_4 nanoferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9143-9154.	2.2	58
112	Synthesis and Characterization of Antibacterial Activity of Spinel Chromium-Substituted Copper Ferrite Nanoparticles for Biomedical Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2316-2327.	3.7	57
113	Magnetic metal nanoparticles coated polyacrylonitrile textiles as microwave absorber. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 327, 151-158.	2.3	56
114	$\text{Fe}_3\text{O}_4@ \text{NiCo-Ag}$ magnetically recyclable nanocatalyst for azo dyes reduction. <i>Applied Surface Science</i> , 2016, 363, 66-73.	6.1	56
115	AC susceptibility and Mossbauer study of Ce^{3+} ion substituted $\text{SrFe}_{12}\text{O}_{19}$ nanohexaferrites. <i>Ceramics International</i> , 2018, 44, 10470-10477.	4.8	56
116	Synthesis of $\text{Mn}_{0.5}\text{Zn}_{0.5}\text{Sm}_x\text{Eu}_x\text{Fe}_{1.8-2x}\text{O}_4$ Nanoparticles via the Hydrothermal Approach Induced Anti-Cancer and Anti-Bacterial Activities. <i>Nanomaterials</i> , 2019, 9, 1635.	4.1	56
117	Recent X-Ray Measurements of the Accretion-powered Pulsar 4U 1907+09. <i>Astrophysical Journal</i> , 1998, 496, 386-394.	4.5	55
118	Polyol synthesis of (polyvinylpyrrolidone) PVP- Mn_3O_4 nanocomposite. <i>Journal of Alloys and Compounds</i> , 2010, 502, 199-205.	5.5	55
119	Nickel substituted MgFe_2O_4 nanoparticles via co-precipitation method for photocatalytic applications. <i>Physica B: Condensed Matter</i> , 2021, 606, 412660.	2.7	55
120	Synthesis and magnetic properties of octahedral ferrite $\text{Ni}_{1-x}\text{Co}_x\text{Fe}_2\text{O}_4$ nanocrystals. <i>Open Chemistry</i> , 2007, 5, 570-580.	1.9	54
121	Microwave-induced combustion synthesis and characterization of $\text{Ni}_x\text{Co}_{1-x}\text{Fe}_2\text{O}_4$ nanocrystals ($x = 0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1$). <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9143-9154.	1.9	54
122	Structural and magnetic properties of triethylene glycol stabilized $\text{Zn}_x\text{Co}_{1-x}\text{Fe}_2\text{O}_4$ nanoparticles. <i>Materials Research Bulletin</i> , 2012, 47, 2442-2448.	5.2	54
123	Effect of temperature on magnetic properties of $\text{BaY}_x\text{Fe}_{12-x}\text{O}_{19}$ hexaferrites. <i>Ceramics International</i> , 2016, 42, 16296-16302.	4.8	54
124	Magnetic and dielectric properties of Bi^{3+} substituted $\text{SrFe}_{12}\text{O}_{19}$ hexaferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 412, 69-82.	2.3	53
125	Magnetic properties, anticancer and antibacterial effectiveness of sonochemically produced $\text{Ce}^{3+}/\text{Dy}^{3+}$ co-activated Mn-Zn nanospinel ferrites. <i>Arabian Journal of Chemistry</i> , 2020, 13, 7403-7417.	4.9	53
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