Majid Niaz Akhtar

List of Publications by Year
in descending order

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153 papers	4,296 citations	109321 35 h-index	144013 57 g-index
156 all docs	156 docs citations	156 times ranked	2972 citing authors

#	Article	IF	Citations
1	Properties and Applications of Polyvinyl Alcohol, Halloysite Nanotubes and Their Nanocomposites. Molecules, 2015, 20, 22833-22847.	3.8	487
2	Influence of alkaline treatment and fiber loading on the physical and mechanical properties of kenaf/polypropylene composites for variety of applications. Progress in Natural Science: Materials International, 2016, 26, 657-664.	4.4	140
3	Effect of rare earth doping on the structural and magnetic features of nanocrystalline spinel ferrites prepared via sol gel route. Journal of Magnetism and Magnetic Materials, 2018, 460, 268-277.	2.3	118
4	Evaluation of structural, morphological and magnetic properties of CuZnNi (Cu Zn0.5â^'Ni0.5Fe2O4) nanocrystalline ferrites for core, switching and MLCIâ€™s applications. Journal of Magnetism and Magnetic Materials, 2017, 421, 260-268.	2.3	113
5	Structural and electromagnetic evaluations of YIG rare earth doped (Gd, Pr, Ho,Yb) nanoferrites for high frequency applications. Ceramics International, 2017, 43, 17032-17040.	4.8	102
6	Structural and magnetic behavior of Pr-substituted M-type hexagonal ferrites synthesized by solâ€“gel autocombustion for a variety of applications. Journal of Magnetism and Magnetic Materials, 2015, 374, 187-191.	2.3	88
7	Impacts of Gdâ€“Ce on the structural, morphological and magnetic properties of garnet nanocrystalline ferrites synthesized via solâ€“gel route. Journal of Alloys and Compounds, 2016, 660, 486-495.	5.5	88
8	Systematic study of Ce 3+ on the structural and magnetic properties of Cu nanosized ferrites for potential applications. Journal of Rare Earths, 2018, 36, 156-164.	4.8	87
9	Structural, spectral, dielectric and magnetic properties of Ni 0.5 Mg x Zn 0.5-x Fe 2 O 4 nanosized ferrites for microwave absorption and high frequency applications. Ceramics International, 2017, 43, 4357-4365.	4.8	81
10	Y3Fe5O12 nanoparticulate garnet ferrites: Comprehensive study on the synthesis and characterization fabricated by various routes. Journal of Magnetism and Magnetic Materials, 2014, 368, 393-400.	2.3	80
11	Structural and magnetic properties of yttrium iron garnet (YIG) and yttrium aluminum iron garnet (YAIG) nanoferrites prepared by microemulsion method. Journal of Magnetism and Magnetic Materials, 2016, 401, 425-431.	2.3	80
12	Structural, spectral, dielectric and magnetic properties of Tbâ€“Dy doped Li-Ni nano-ferrites synthesized via micro-emulsion route. Journal of Magnetism and Magnetic Materials, 2016, 419, 338-344.	2.3	77
13	Cobalt Ferrite Nanoparticles: An Innovative Approach for Enhanced Oil Recovery Application. Journal of Nano Research, 2012, 17, 115-126.	0.8	72
14	Al doped spinel and garnet nanostructured ferrites for microwave frequency C and X- band applications. Journal of Physics and Chemistry of Solids, 2018, 123, 260-265.	4.0	64
15	Structural Rietveld refinement and magnetic features of prosademium (Pr) doped Cu nanocrystalline spinel ferrites. Ceramics International, 2019, 45, 10187-10195.	4.8	62
16	Morphological, Raman, electrical and dielectric properties of rare earth doped X-type hexagonal ferrites. Physica B: Condensed Matter, 2016, 503, 38-43.	2.7	60
17	Structural elucidation and magnetic behavior evaluation of rare earth (La, Nd, Gd, Tb, Dy) doped BaCoNi-X hexagonal nano-sized ferrites. Journal of Magnetism and Magnetic Materials, 2016, 408, 147-151.	2.3	56
18	Structural, spectral, electrical, dielectric and magnetic properties of Yb doped SrNiCo-X hexagonal nano-structured ferrites. Journal of Alloys and Compounds, 2017, 708, 903-910.	5.5	55

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19	Role of Nd-Ni on structural, spectral and dielectric properties of strontium-barium based nano-sized X-type ferrites. Ceramics International, 2018, 44, 2968-2975.	4.8	52
20	Structural rietveld refinement, morphological and magnetic features of Cu doped Co Ce nanocrystalline ferrites for high frequency applications. Physica B: Condensed Matter, 2019, 561, 121-131.	2.7	51
21	Influence of Cd substitution on structural, electrical and magnetic properties of M-type barium hexaferrites co-precipitated nanomaterials. Journal of Alloys and Compounds, 2014, 584, 646-651.	5.5	50
22	Structural elucidation and dielectric behavior evaluation of sol-gel synthesized Coâ€“Al co-substituted M-type hexaferrite materials. Ceramics International, 2020, 46, 4914-4923.	4.8	50
23	Magnetic characteristics and optical band alignments of rare earth (Sm+3, Nd+3) doped garnet ferrite nanoparticles (NPs). Ceramics International, 2020, 46, 16524-16532.	4.8	49
24	Structural elucidation, and morphological and magnetic behavior evaluations, of low-temperature sintered, Ce-doped, nanostructured garnet ferrites. Materials Research Bulletin, 2018, 101, 48-55.	5.2	48
25	Study of structural transformation and hysteresis behavior of Mg-Sr substituted X-type hexaferrites. Ceramics International, 2018, 44, 18903-18912.	4.8	47
26	Structural, morphological, dielectric and magnetic characterizations of Ni0.6Cu0.2Zn0.2Fe2O4 (NCZF/MWCNTs/PVDF) nanocomposites for multilayer chip inductor (MLCI) applications. Ceramics International, 2014, 40, 15821-15829.	4.8	46
27	Synthesis and characterizations of Ni0.8Zn0.2Fe2O4-MWCNTs composites for their application in sea bed logging. Ceramics International, 2011, 37, 3237-3245.	4.8	45
28	Electrochemical properties of Ni0.4Zn0.6 Fe2O4 and the heterostructure composites (Niâ€“Zn) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	5.2	45
29	Synthesis and properties of Pr-substituted MgZn ferrites for core materials and high frequency applications. Journal of Magnetism and Magnetic Materials, 2015, 381, 173-178.	2.3	44
30	Synthesis and characterization of Zr and Mg doped BiFeO3 nanocrystalline multiferroics via micro emulsion route. Journal of Alloys and Compounds, 2016, 667, 329-340.	5.5	43
31	Effects of binder system and processing parameters on formability of porous Ti/HA composite through powder injection molding. Materials and Design, 2015, 87, 386-392.	7.0	41
32	Preparations, optical, structural, conductive and magnetic evaluations of RE's (Pr, Y, Gd, Ho, Yb) doped spinel nanoferrites. Ceramics International, 2020, 46, 4280-4288.	4.8	40
33	Structural, magnetic and dielectric properties of terbium doped NiCoX strontium hexagonal nano-ferrites synthesized via micro-emulsion route. Ceramics International, 2016, 42, 9079-9085.	4.8	39
34	Tuning magnetic and high frequency dielectric behavior in Li-Zn ferrites by Ho doping. Ceramics International, 2018, 44, 6321-6329.	4.8	39
35	Physical, structural, conductive and magneto-optical properties of rare earths (Yb, Gd) doped Niâ€“Zn spinel nanoferrites for data and energy storage devices. Ceramics International, 2021, 47, 11878-11886.	4.8	38
36	Structural, magnetic, and electrical evaluations of rare earth Gd3+ doped in mixed Coâ€“Mn spinel ferrite nanoparticles. Ceramics International, 2022, 48, 578-586.	4.8	37

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37	Structural and magnetic features of Ce doped Co-Cu-Zn spinel nanoferrites prepared using sol gel self-ignition method. Ceramics International, 2020, 46, 14481-14487.	4.8	36
38	Structural and magnetic properties of Ndâ€“Mn substituted Y-type hexaferrites synthesized by microemulsion method. Journal of Alloys and Compounds, 2014, 602, 122-129.	5.5	35
39	Structural, spectral, dielectric and magnetic properties of Sr2CuxNi2-xFe28-xCrxO46 (0 â‰¤ x â‰¥ 0.5) ferrites synthesized via micro-emulsion route. Materials Chemistry and Physics, 2021, 259, 124066.	4.0	35
40	Investigation on microwave absorption characteristics of ternary MWCNTs/CoFe2O4/FeCo nanocomposite coated with conductive PEDOT-Polyaniline Co-polymers. Ceramics International, 2021, 47, 12244-12251.	4.8	35
41	Effects of Sr-substitution on the structural and magnetic behavior of Ba-based Y-type hexagonal ferrites. Journal of Alloys and Compounds, 2013, 580, 23-28.	5.5	34
42	Impacts of Tb substitution at cobalt site on structural, morphological and magnetic properties of cobalt ferrites synthesized via double sintering method. Ceramics International, 2015, 41, 2286-2293.	4.8	32
43	Thickness optimization towards microwave absorption enhancement in three-layer absorber based on SrFe12O19, SiO2@SrFe12O19 and MWCNTs@SrFe12O19 nanocomposites. Journal of Alloys and Compounds, 2021, 873, 159818.	5.5	31
44	Structural, magnetic, dielectric and high frequency response of synthesized rare earth doped bismuth nano garnets (BIG). Results in Physics, 2018, 10, 784-793.	4.1	30
45	Impact of indium substitution on dielectric and magnetic properties of Cu0.5Ni0.5Fe2-xO4 ferrite materials. Ceramics International, 2019, 45, 13431-13437.	4.8	30
46	Impact of Co doping on physical, structural, microstructural and magnetic features of MgZn nanoferrites for high frequency applications. Ceramics International, 2020, 46, 1750-1759.	4.8	30
47	Structural, spectral, dielectric and magnetic properties of indium substituted copper spinel ferrites synthesized via sol gel technique. Ceramics International, 2020, 46, 27410-27418.	4.8	30
48	Temperature dependent structural and magnetic behavior of Y-type hexagonal ferrites synthesized by solâ€“gel autocombustion. Journal of Alloys and Compounds, 2015, 651, 749-755.	5.5	29
49	Preparations and tailoring of structural, magnetic properties of rare earths (REs) doped nanoferrites for microwave high frequency applications. Ceramics International, 2020, 46, 26521-26529.	4.8	29
50	Effect of Gd and Co contents on the microstructural, magneto-optical and electrical characteristics of cobalt ferrite (CoFe2O4) nanoparticles. Ceramics International, 2022, 48, 2782-2792.	4.8	29
51	Synthesis, morphological and electromagnetic evaluations of Ca doped Mn spinel nanoferrites for GHz regime applications. Ceramics International, 2020, 46, 13961-13968.	4.8	28
52	Tunable magneto-optical and interfacial defects of Nd and Cr-doped bismuth ferrite nanoparticles for microwave absorber applications. Journal of Colloid and Interface Science, 2022, 608, 1868-1881.	9.4	28
53	Multi-component MWCNT/NG/EP-based bipolar plates with enhanced mechanical and electrical characteristics fabricated by compression moulding. Ceramics International, 2018, 44, 14457-14464.	4.8	27
54	Development of high-efficient double layer microwave absorber based on Fe3O4/carbon fiber and Fe3O4/rGO. Journal of Magnetism and Magnetic Materials, 2021, 537, 168181.	2.3	27

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55	Sol gel derived MnTi doped Co2 W-type hexagonal ferrites: Structural, physical, spectral and magnetic evaluations. Ceramics International, 2020, 46, 7842-7849.	4.8	26
56	Microwave absorption characteristics of polyaniline@Ba0.5Sr0.5Fe12O19@MWCNTs nanocomposite in X-band frequency. Journal of Magnetism and Magnetic Materials, 2021, 524, 167653.	2.3	26
57	Prâ€“Co co-doped BFO multiferroics nanomaterials for absorber applications. Ceramics International, 2021, 47, 2144-2154.	4.8	26
58	Microwave absorption characteristic of a double-layer X-band absorber based on MWCNTs/La0.6Sr0.4Mn0.5Fe0.5O4 coated with PEDOT polymer. Ceramics International, 2021, 47, 17736-17744.	4.8	25
59	Highly efficient absorber with enhanced magnetoelectric properties based on Y, Gd, and Pr doped NMZ nanoferrites. Journal of Magnetism and Magnetic Materials, 2021, 537, 168232.	2.3	24
60	Modeling and simulation of planar SOFC to study the electrochemical properties. Current Applied Physics, 2020, 20, 660-672.	2.4	23
61	Effects of solid loading and cooling rate on the mechanical properties and corrosion behavior of powder injection molded 316 L stainless steel. Powder Technology, 2016, 289, 135-142.	4.2	22
62	Evaluations of structural, magnetic and various dielectric parameters of Ni-substituted Zn2W-type hexagonal ferrites for high frequency (1â€“6â€¯GHz) applications. Ceramics International, 2019, 45, 24202-24211.	4.8	22
63	Structural, physical and magnetic evaluations of Ce-Zn substituted SrCo2 W-type hexaferrites prepared via sol gel auto combustion route. Ceramics International, 2018, 44, 12921-12928.	4.8	21
64	Effect of mineral fillers on the performance, rheological and dynamic viscosity measurements of asphalt mastic. Construction and Building Materials, 2019, 222, 390-399.	7.2	21
65	Structural and magnetic evaluations of rare-earths (Tb, Pr, Ce, Gd, Y)-doped spinel ferrites for high frequency and switching applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 7692-7703.	2.2	21
66	Effect of filler loading and thickness parameters on the microwave absorption characteristic of double-layered absorber based on MWCNT/BaTiO3/pitted carbonyl iron composite. Ceramics International, 2021, 47, 19538-19545.	4.8	21
67	Structural and magnetic behavior evaluation of Mgâ€“Tb ferrite/polypyrrole nanocomposites. Ceramics International, 2015, 41, 651-656.	4.8	20
68	Investigation of the magnetic properties of nanometric SrSmCoNi ferrite/PST matrix. Ceramics International, 2015, 41, 8748-8754.	4.8	19
69	Microwave absorption characteristics of carbon foam decorated with BaFe12O19 and Ni0.5Co0.5Fe2O4 magnetic composite in X-band frequency. Journal of Magnetism and Magnetic Materials, 2020, 513, 167258.	2.3	18
70	Nanocrystalline La1â^'xSrxCo1â^'yFeyO3 perovskites fabricated by the micro-emulsion route for high frequency response devices fabrications. Ceramics International, 2014, 40, 13211-13216.	4.8	17
71	Evaluation of thermal, morphological and mechanical properties of PMMA/NaCl/DMF electrospun nanofibers: an investigation through surface methodology approach. Iranian Polymer Journal (English Edition), 2015, 24, 1025-1038.	2.4	17
72	Highly efficient composite electrolyte for natural gas fed fuel cell. International Journal of Hydrogen Energy, 2016, 41, 6972-6979.	7.1	17

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73	Effects of Dy on structural, dielectric and magnetic properties of Ni-Sr-Y co-precipitated hexaferrites. Ceramics International, 2018, 44, 22255-22261.	4.8	17
74	Magneto-optical properties and physical characteristics of M-type hexagonal ferrite (Ba1-xCaxFe11.4Al0.6O19) nanoparticles (NPs). Ceramics International, 2021, 47, 11668-11676.	4.8	17
75	Fabrication of microchannels on PMMA using a low power CO₂laser. Laser Physics, 2016, 26, 096101.	1.2	16
76	Solution-derived ZnO nanoflowers based photoelectrodes for dye-sensitized solar cells. Materials Research Bulletin, 2017, 96, 211-217.	5.2	16
77	Graphene anchored Ce doped spinel ferrites for practical and technological applications. Ceramics International, 2020, 46, 7081-7088.	4.8	16
78	Enhanced electromagnetic wave dissipation features of magnetic Ni microspheres by developing core-double shells structure. Ceramics International, 2022, 48, 446-454.	4.8	16
79	Magnetic, structural, optical band alignment and conductive analysis of graphene-based REs (Yb, Gd,) Tj ETQq1 1 0.784314 rgBT /Ove 2022, 284, 116994.	3.9	16
80	Composite electrolyte with proton conductivity for low-temperature solid oxide fuel cell. Applied Physics Letters, 2015, 107, .	3.3	15
81	Compatibility of sunflower oil with asphalt binders: a way toward materials derived from renewable resources. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	3.1	15
82	High-efficiency microwave absorber based on carbon Fiber@La0.7Sr0.3MnO@NiO composite for X-band applications. Ceramics International, 2021, 47, 20438-20446.	4.8	15
83	Preparations and characterizations of Ca doped Niâ€“Mgâ€“Mn nanocrystalline ferrites for switching field high-frequency applications. Ceramics International, 2022, 48, 3833-3840.	4.8	15
84	Magnetic and High-Frequency Dielectric Parameters of Divalent Ion-Substituted W-Type Hexagonal Ferrites. Journal of Electronic Materials, 2017, 46, 903-910.	2.2	14
85	Influence of Y3+, Yb3+, Gd3+ cations on structural and electromagnetic properties of CuFe2O4 nanoferrites prepared via one step sol-gel method. Journal of Rare Earths, 2021, 39, 1224-1231.	4.8	14
86	Synthesis and investigations of structural, magnetic and dielectric properties of Cr-substituted W-type Hexaferrites for high frequency applications. Journal of Electroceramics, 2021, 46, 93-106.	2.0	14
87	ZrN fractal-graphene-based metamaterial absorber in the visible and near-IR regimes. Optik, 2021, 237, 166769.	2.9	14
88	Effects of Debinding and Sintering Atmosphere on Properties and Corrosion Resistance of Powder Injection Molded 316 L - Stainless Steel. Sains Malaysiana, 2017, 46, 285-293.	0.5	14
89	Electromagnetic performance, optical and physiochemical features of CaTiO3/NiO and SrFe12O19/NiO nanocomposites based bilayer absorber. Journal of Colloid and Interface Science, 2022, 610, 879-892.	9.4	14
90	Investigations of Structural and Magnetic Properties of Nanostructured Ni_{0.5+}<scp>_xZ</scp>n_{0.5â€‹}<scp>_xF</scp>e₂O₄ Magnetic Feeders for CSEM Application. International Journal of Applied Ceramic Technology, 2015, 12, 625-637.	2.1	13

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91	Structural elucidation and magnetic behaviour evaluation of gallium substituted garnet ferrites. Ceramics International, 2018, 44, 22504-22511.	4.8	13
92	Enhanced microwave absorption characteristic of decorated MWCNTs with La0.9Bi0.1Fe0.8Co0.2O3 multiferroic nanoparticles via coating by PEDOT/Polyaniline co-polymer. Ceramics International, 2020, 46, 28193-28199.	4.8	13
93	EFFECT OF Mg2+ SUBSTITUTIONS ON THE STRUCTURAL AND MAGNETIC PROPERTIES OF Coâ€“Mg W-TYPE HEXAGONAL FERRITE. International Journal of Modern Physics B, 2011, 25, 1149-1160.	2.0	12
94	Structural and dielectric properties of Sr4Zn2Fe36O60 U-type hexaferrites with optimized Gd contents and sintered by a two-step process. Ceramics International, 2022, 48, 27739-27749.	4.8	12
95	Preparation of stable dispersion of graphene using copolymers: dispersity and aromaticity analysis. Soft Materials, 2019, 17, 190-202.	1.7	11
96	Effect of ZnO Nanoparticles Coating Layers on Top of ZnO Nanowires for Morphological, Optical, and Photovoltaic Properties of Dye-Sensitized Solar Cells. Micromachines, 2019, 10, 819.	2.9	11
97	Evaluation of rare earth (Yb, La) doped (Sm3Fe5O12) garnet ferrite membrane for LT-SOFC. International Journal of Hydrogen Energy, 2021, 46, 9996-10006.	7.1	11
98	Enhanced X-band wave dissipation performance in bilayer absorber composed of bare epoxy resin and epoxy resin filled with [CaTiO3/ZnFe2O4]@C nanocomposite. Journal of Magnetism and Magnetic Materials, 2021, 539, 168385.	2.3	11
99	Tunable microwave absorption features in bi-layer absorber based on mesoporous CuS micro-particle with 3D hierarchical structure and nanosphere like NiCo2O4. Ceramics International, 2022, 48, 9146-9156.	4.8	11
100	Morphology and Magnetic Characterisation of Aluminium Substituted Yttrium-Iron Garnet Nanoparticles Prepared Using Sol Gel Technique. Journal of Nanoscience and Nanotechnology, 2011, 11, 2652-2656.	0.9	10
101	Mn0.8Zn0.2Fe2O4 nanoparticulates spinel ferrites: An approach to enhance the antenna field strength for improved magnitude versus offset (MVO). Progress in Natural Science: Materials International, 2014, 24, 364-372.	4.4	10
102	Effect of co-doping of Fe and Gd on the structural, morphological and dielectric properties of LaMnO₃ nanocrystallites using Sol-Gel technique. Materials Research Express, 2018, 5, 075018.	1.6	10
103	Performance characteristics of asphalt binders modified with sunflower flour: A sustainable application of renewable resource derived material. Construction and Building Materials, 2020, 242, 118157.	7.2	10
104	A novel omega shaped microwave absorber with wideband negative refractive index for C-band applications. Optik, 2021, 242, 167278.	2.9	10
105	Optical, electromagnetic and physiochemical properties of flower-like MoS2 (D) and Ni microsphere (M) based absorbers for X and Ku band applications. Ceramics International, 2022, 48, 2677-2685.	4.8	10
106	Carbon Nanotubes Fibres/Aluminium-NiZnFe₂O₄ Based Electromagnetic Transmitter for Improved Magnitude versus Offset (MVO) in a Scaled Marine Environment. Journal of Nanoscience and Nanotechnology, 2012, 12, 8100-8109.	0.9	9
107	Structural and photovoltaic characteristics of hierarchical ZnO nanostructures electrodes. Applied Surface Science, 2015, 334, 145-150.	6.1	9
108	Engineering of metallic nanorod-based hyperbolic metamaterials for broadband applications operating in the infrared regime. Applied Nanoscience (Switzerland), 2021, 11, 229-240.	3.1	9

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109	A Review on the Methods in Diesel Desulfurization. Current Analytical Chemistry, 2021, 17, 815-830.	1.2	9
110	Synthesis and characterizations of Coâ€“Zr doped Ni ferrite/PANI nanocomposites for photocatalytic methyl orange dye degradation. Physica B: Condensed Matter, 2022, 624, 413392.	2.7	9
111	Observation of a Cubical-Like Microstructure of Strontium Iron Garnet and Yttrium Iron Garnet Prepared via Solâ€“Gel Technique. Journal of Nanoscience and Nanotechnology, 2011, 11, 2551-2554.	0.9	8
112	Structural, morphological and magnetic characterization of synthesized Co-Ce doped Ni ferrite /Graphene /BNO12 nanocomposites for practical applications. Chinese Journal of Physics, 2020, 65, 82-92.	3.9	8
113	Structural, spectral, dielectric, and magnetic properties of indium substituted Cu0.5Zn0.5Fe2â^'xO4 magnetic oxides. Journal of Materials Science: Materials in Electronics, 2022, 33, 27-41.	2.2	8
114	Effects of Pr-contents on the structural, magnetic and high frequency parameters of M-type hexagonal ferrites synthesized by solâ€“gel method. Journal of Materials Science: Materials in Electronics, 2016, 27, 6193-6201.	2.2	7
115	Evaluations of the Thermal, Rietveld Structural, Microstructural and Magnetic Properties of Cu0.5Co0.5BixFe2â^'xO4 Spinel Nanoferrites. Journal of Electronic Materials, 2020, 49, 807-818.	2.2	7
116	Remediation of Pesticide in Water. Sustainable Agriculture Reviews, 2021, , 271-307.	1.1	7
117	Synthesis and Characterizations of ZnO Nanoparticles for Application in Electromagnetic Detectors. Journal of Nano Research, 2011, 13, 93-98.	0.8	6
118	Preparation and investigations on the thermal, structural and magnetic behavior of Co-Ce substituted Ni nanoferrites. Materials Research Express, 2019, 6, 116104.	1.6	6
119	Impact of holmium on structural, dielectric and magnetic properties of Cuâ€“Zn spinel ferrites synthesized via solâ€“gel route. Journal of Materials Science: Materials in Electronics, 2021, 32, 2205-2218.	2.2	6
120	Morphology and tensile properties of thermoplastic polyurethane-halloysite nanotube nanocomposites. International Journal of Automotive and Mechanical Engineering, 2015, 12, 2844-2856.	0.9	6
121	Structural, magnetic and dielectric properties of Dy-Co substituted Sr-Ba-Mg-based magnetic oxides. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	6
122	New EM Transmitter with Y₃Fe₅O₁₂ Based Magnetic Feeders Potentially Used for Seabed Logging Application. Advanced Materials Research, 0, 667, 10-23.	0.3	5
123	Rheological study of copper and copper grapheme feedstock for powder injection molding. Journal of Physics: Conference Series, 2017, 790, 012008.	0.4	5
124	Kenaf-Biocomposites: Manufacturing, Characterization, and Applications. Green Energy and Technology, 2017, , 225-254.	0.6	5
125	Structural, magnetic and high frequency (1â€“6 GHz) parameters of Sr-substituted BaFe2O4 monoferrites synthesized by solâ€“gel method. Modern Physics Letters B, 2019, 33, 1950219.	1.9	5
126	Efficient single and bi-layer absorbers of CaTiO3 micro-cubes and polypyrrole nanotubes composites for enhanced microwave absorption in X and Ku band. Ceramics International, 2022, 48, 11953-11961.	4.8	5

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127	Fractal metamaterial based multiband absorber operating in 5G regime. Optik, 2022, 266, 169626.	2.9	5
128	Versatility of ZnO Nanostructures. Advanced Structured Materials, 2010, , 219-244.	0.5	4
129	Novel EM antenna based on Y<inf>3</inf>Fe<inf>5</inf>O<inf>12</inf> magnetic feeders for improved MVO. , 2011, , .		4
130	Development of novel electromagnetic antenna for deep target marine CSEM survey. AIP Conference Proceedings, 2012, , .	0.4	4
131	Encapsulation of Ni_{0.8}Zn_{0.2}Fe₂O₄ Single Crystals in Multiwall Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2012, 12, 8116-8122.	0.9	4
132	The effect of semi-infinite crystalline electrodes on transmission of gold atomic wires using DFT. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 79, 8-12.	2.7	4
133	Structural, spectral, dielectric and magnetic properties of Coâ€“Cr-substituted hexagonal ferrites with X-type structure. Journal of the Korean Ceramic Society, 2022, 59, 453-464.	2.3	4
134	Synergistic effect of polyindole decoration on bismuth neodymium ferrite powder for achieving wideband microwave absorber. Ceramics International, 2022, 48, 25049-25055.	4.8	4
135	Magnetic nanoparticles (Fe3O4 & Co3O4) and their applications in urea biosensing. Russian Journal of Applied Chemistry, 2016, 89, 517-534.	0.5	3
136	A Study of Structural, Magnetic and Various Dielectric Parameters of Ca-Substituted W-Type Hexaferrites for Applications at 1â€“6ÂGHz Frequencies. Journal of Electronic Materials, 2019, 48, 7149-7161.	2.2	3
137	Enhanced microwave absorption performance of BiFeO3 nanopowders coated with Polyindole-PANI co-polymer in ku band frequency. Journal of Magnetism and Magnetic Materials, 2022, 560, 169568.	2.3	3
138	MVO study of antenna for deep target hydrocarbon exploration. , 2011, , .		2
139	Experimental study of electromagnetic waves affects on enhanced oil recovery. , 2011, , .		2
140	Effect of Frequency on Hydrocarbon (HC) Detection Using 3D Finite Integral Modeling. Defect and Diffusion Forum, 0, 326-328, 654-661.	0.4	2
141	An Overview on Eco-Friendly Polymer Composites for Heavy Metal Ion Remediation. Current Analytical Chemistry, 2021, 17, 737-753.	1.2	2
142	Forward Modeling of Seabed Logging by Finite Integration and Finite Element Methods. Advanced Structured Materials, 2013, , 147-165.	0.5	2
143	Antenna for offshore hydrocarbon exploration. , 2013, , .		1
144	Processing Aspects and Biomedical and Environmental Applications of Sustainable Nanocomposites Containing Nanofillers. , 2019, , 727-757.		1

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145	Plant-derived alkyl phenol as green solvents: Properties and applications. , 2021, , 229-251.		1
146	Optical and electromagnetic absorption features of hierarchical pampon and cauliflower-like magneto/dielectric composite based absorber for C and X bands application. Ceramics International, 2022, 48, 16280-16289.	4.8	1
147	Synthesis and characterizations of Y<inf>3</inf>Fe<inf>5</inf>O<inf>12</inf>-MWCNTs composites for SBL application. , 2011, , .		0
148	Full scale modeling of an antenna in offshore environment for electromagnetic enhanced oil recovery. , 2012, , .		0
149	Thermal, electrochemical and mechanical properties of shape memory alloy developed by a conventional processing route. Journal of Fundamental and Applied Sciences, 2017, 9, 847.	0.2	0
150	Manipulation of structural, electronic and transport properties of hydrogen-passivated graphene atomic sheet through vacancy defects: first-principles numerical simulations based on density-functional-theory along with tight-binding approximation. Materials Research Express, 2019, 6, 0850b3.	1.6	0
151	Application of biosurfactants and nanomaterials in the treatment of polluted water. , 2021, , 203-234.		0
152	Active metabolites and biosurfactants for utilization in environmental remediation and eco-restoration of polluted soils. , 2021, , 31-51.		0
153	Low-Cost Technology for Heavy Metal Cleaning from Water. Environmental Chemistry for A Sustainable World, 2021, , 199-223.	0.5	0