Mohamed Bakr Mohamed

List of Publications by Year
in descending order

174 papers	3,473 citations	159358 30 h-index	233125 45 g-index
174 all docs	174 docs citations	174 times ranked	1874 citing authors

#	Article	IF	Citations
1	Structural, magnetic, and dielectric properties of nanocrystalline Cr-substituted Co0.8Ni0.2Fe2O4 ferrite. Ceramics International, 2014, 40, 6127-6135.	2.3	111
2	Structural, magnetic, dielectric properties of multiferroic GaFeO3 prepared by solid state reaction and solâ€“gel methods. Journal of Alloys and Compounds, 2010, 492, L20-L27.	2.8	83
3	Cation distribution and magnetic properties of nanocrystalline gallium substituted cobalt ferrite. Journal of Alloys and Compounds, 2014, 615, 181-187.	2.8	82
4	Effect of annealed ZnS nanoparticles on the structural and optical properties of PVA polymer nanocomposite. Materials Chemistry and Physics, 2020, 241, 122285.	2.0	74
5	Structural and magnetic characterization and cation distribution of nanocrystalline Co x Fe 3â^'x O 4 ferrites. Journal of Magnetism and Magnetic Materials, 2015, 378, 246-252.	1.0	72
6	Dielectric relaxation and magnetic properties of Cr doped GaFeO₃. Journal Physics D: Applied Physics, 2010, 43, 455409.	1.3	68
7	Cation distribution correlated with magnetic properties of nanocrystalline gadolinium substituted nickel ferrite. Journal of Magnetism and Magnetic Materials, 2015, 391, 195-202.	1.0	67
8	Cation distribution and dielectric properties of nanocrystalline gallium substituted nickel ferrite. Journal of Alloys and Compounds, 2014, 586, 773-781.	2.8	64
9	Biphasic quantum dots of cubic and hexagonal Mn doped CdS; necessity of Rietveld analysis. Journal of Alloys and Compounds, 2015, 618, 280-286.	2.8	62
10	Structural, magnetic, and elastic properties of nanocrystalline Al-substituted Mn0.5Zn0.5Fe2O4 ferrite. Ceramics International, 2014, 40, 11773-11780.	2.3	55
11	Cation distribution correlated with magnetic properties of cobalt ferrite nanoparticles defective by vanadium doping. Journal of Magnetism and Magnetic Materials, 2017, 441, 409-416.	1.0	55
12	Exploring the physical properties of PVA/PEG polymeric material upon doping with nano gadolinium oxide. AEJ - Alexandria Engineering Journal, 2022, 61, 3375-3383.	3.4	55
13	Fine-tune optical absorption and light emitting behavior of the CdS/PVA hybridized film nanocomposite. Journal of Molecular Structure, 2017, 1136, 321-329.	1.8	54
14	The role of Cd0.9Mg0.1S nanofillers on the structural, optical, and dielectric properties of PVA/CMC polymeric blend. Chemical Physics Letters, 2021, 770, 138460.	1.2	53
15	Effect of annealed and Mg-doped nano ZnO on physical properties of PVA. Journal of Molecular Structure, 2019, 1181, 507-517.	1.8	52
16	Effect of excess oxygen content within different nano-oxide additives on the structural and optical properties of PVA/PEG blend. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	51
17	Structural, magnetic and dielectric properties of (PANI)â€“Ni0.5Zn0.5Fe1.5Cr0.5O4 nanocomposite. Composites Part B: Engineering, 2014, 56, 270-278.	5.9	49
18	Optical and electrical properties of quantum composite of polyvinyl alcohol matrix with CdSe quantum dots. Colloid and Polymer Science, 2016, 294, 357-365.	1.0	49

#	Article	IF	Citations
19	Structural analysis and cations distribution of nanocrystalline Ni1â^'Zn Fe1.7Ga0.3O4. Journal of Alloys and Compounds, 2015, 618, 755-760.	2.8	48
20	Coexistence of cubic and hexagonal phases of Cd doped ZnS at different annealing temperatures. Materials Science in Semiconductor Processing, 2015, 34, 39-44.	1.9	45
21	Effect of synthesis methods with different annealing temperatures on micro structure, cations distribution and magnetic properties of nano-nickel ferrite. Journal of Magnetism and Magnetic Materials, 2017, 423, 291-300.	1.0	45
22	Improvement of the optical characteristics of <scp>PVA</scp>/<scp>PVP</scp> blend with different concentrations of <scp>SnS₂</scp>/Fe. Journal of Vinyl and Additive Technology, 2022, 28, 82-93.	1.8	41
23	Structural and magnetic properties correlated with cation distribution of Mo-substituted cobalt ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2014, 368, 246-251.	1.0	39
24	Optical properties of diluted magnetic semiconductor Cu:ZnS quantum dots. Superlattices and Microstructures, 2014, 73, 203-213.	1.4	39
25	Structural tuning of CdS nanoparticles with nucleation temperature and its reflection on the optical properties. Journal of Molecular Structure, 2015, 1094, 91-97.	1.8	36
26	Tailoring the optical properties of <scp>PVA</scp>/<scp>PVP</scp> blend by doping with <scp>Cu</scp>/<scp>MnS</scp> nanoparticles. Journal of Vinyl and Additive Technology, 2021, 27, 410-418.	1.8	34
27	Environmentally friendly Zn0.75Cd0.25S/PVA heterosystem nanocomposite: UV-stimulated emission and absorption spectra. Journal of Molecular Structure, 2016, 1105, 80-86.	1.8	33
28	Optical and thermogravimetric analysis of Zn 1-x Cu x S/PVA nanocomposite ï¬ms. Journal of Molecular Structure, 2018, 1163, 442-448.	1.8	32
29	Influence of Mg-deficiency on the functional properties of magnesium ferrite anode material. Solid State Ionics, 2019, 341, 115042.	1.3	32
30	Effect of V and Y doping on the structural, optical and electronic properties of CdS (hexagonal and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	32
31	Temperature dependent cation distribution correlated with optical and magnetic properties of nanocrystalline NiFe1.8Gd0.2O4. Journal of Molecular Structure, 2015, 1095, 61-68.	1.8	31
32	Effect of preparation methods and doping on the structural and tunable emissions of CdS. Journal of Molecular Structure, 2018, 1155, 666-674.	1.8	31
33	Embedding of 50%PVA/50%PVP blend with Sn0.75M0.25S2, (Mâ€‰=â€‰Y, Fe, Cr, V); structural and optical study. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	31
34	Effect of Mn doping on structural and magnetic properties of GaFeO3. Journal of Magnetism and Magnetic Materials, 2011, 323, 2090-2094.	1.0	30
35	Structural and Magnetic Properties of (Al/Mg) Co-doped Nano ZnO. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3299-3304.	0.8	30
36	Effect of vanadium doping on structural and magnetic properties of defective nano-nickel ferrite. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	30

#	Article	IF	Citations
37	Structural and magnetic properties of CoFe 2â^'x Mo x O 4 nanocrystalline ferrites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 190, 52-58.	1.7	29
38	Electrical and optical properties of hydrogen titanate nanotube/PANI hybrid nanocomposites. Colloid and Polymer Science, 2016, 294, 215-224.	1.0	29
39	Hybrid luminescent CdS@ZnS nanocomposites. Ceramics International, 2015, 41, 12930-12938.	2.3	28
40	The Reflection of Cr/Fe Substitution on the Structural, Magnetic and Photoluminescence Features of Znâ€“Ni Based Ferrite. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3123-3128.	0.8	28
41	Effect of Zn1â^'xMgxS Doping on Structural, Thermal and Optical Properties of PVA. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 436-443.	1.9	28
42	Functional properties of ZnMn2O4/MWCNT/graphene nanocomposite as anode material for Li-ion batteries. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	28
43	Structural, optical, and dielectric properties of nano-ZnMn2â^'xVxO4. Journal of Materials Science: Materials in Electronics, 2020, 31, 8946-8962.	1.1	28
44	Effect of Annealing Temperature on Structural and Magnetic Properties of Zn0.94Co0.05Cu0.01O. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3487-3493.	0.8	27
45	Effect of Mo substitution on structural and magnetic properties of Zinc ferrite nanoparticles. Journal of Molecular Structure, 2016, 1108, 347-351.	1.8	27
46	Structural and Optical Properties of Cd1â^'xMnxFe2O4/PMMA Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 1898-1906.	1.9	27
47	Effect of Gamma radiation on structural and optical parameters of Sm2O3:Mn/PVA nanocomposite film. Optical and Quantum Electronics, 2020, 52, 1.	1.5	27
48	Microstructure, magnetic and electric properties of BaTiO3â€“Ni0.5Zn0.5Fe1.5Cr0.5O4 nanocomposite. Materials Research Bulletin, 2013, 48, 1778-1783.	2.7	26
49	Magnetic and Structural Properties of Nanocrystalline Cobalt-Substituted Magnesiumâ€“Manganese Ferrite. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2517-2524.	0.8	26
50	Electrochemical performance of quaternary (1-x)ZnMn2O4/(x)MgFe2O4 solid solution as supercapacitor electrode. Ceramics International, 2021, 47, 7475-7486.	2.3	26
51	Correlating structural, magnetic, and luminescence properties with the cation distribution of Co0.5Zn0.5+Fe2â€“O4 nanoferrite. Journal of Magnetism and Magnetic Materials, 2016, 408, 51-59.	1.0	25
52	Structural, Optical, and Electronic Characterization of Fe-Doped Alumina Nanoparticles. Journal of Electronic Materials, 2018, 47, 711-720.	1.0	25
53	Changes in structural, optical and magnetic properties of nano-CuS upon doping with Mn and Fe: a comparative study. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	25
54	XRD, IR, and Raman investigations of structural properties of Dy_{2â€‹x}Ho_x O₃ prepared by sol gel procedure. Crystal Research and Technology, 2012, 47, 535-540.	0.6	23

#	Article	IF	Citations
55	Structural and Optical Modifications in Polyvinyl Alcohol Due to Cr₂O₃ Nanoparticles Additives Concentration, and Gamma Irradiation. Advances in Polymer Technology, 2017, 36, 336-340.	0.8	22
56	Structural phase analysis, optical and magnetic properties of nano Mn-doped LiFe5O8. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	22
57	Exploring the functional properties of CuCo2O4/CuS nanocomposite as improved material for supercapacitor electrode. Journal of Materials Research and Technology, 2021, 10, 1415-1426.	2.6	22
58	Experimental and Theoretical Investigations on Intermediate Band in Doped Nano-SnS2. Journal of Electronic Materials, 2018, 47, 2945-2953.	1.0	21
59	Effect of magnesium deficiency on magnetic properties tuning and cation redistributions of magnesium ferrite nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 786-796.	1.1	21
60	Exploring the direct effect of intermediate band semiconductor materials on the structural, thermal and optical properties of PMMA nanocomposite. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	21
61	Structural, Optical and Magnetic Properties of ZnS Co-doped with Cd and Fe. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 879-888.	1.9	20
62	Effect of composition ratio on the structural and optical properties of MnS@ZnS nanocomposites. Journal of Materials Science: Materials in Electronics, 2020, 31, 14746-14755.	1.1	20
63	Influence of alloying ratio in tailoring the structural and optical properties of (1â€‰â^'â€‰x)CdSâ€“xCuS nanocomposite. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	20
64	Effect of sulfur deficiency on the structural, optical and electronic properties of MnS nanostructures. Chemical Physics Letters, 2021, 779, 138877.	1.2	20
65	Defect based violetâ€“blue emission of Mg doped ZnO annealed at different temperatures. Journal of Materials Science: Materials in Electronics, 2015, 26, 6344-6351.	1.1	19
66	Structure, optical and electronic characteristics of iron-doped cadmium sulfide under nonambient atmosphere. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	19
67	Structural and magnetic properties of Zn0.95Cr0.05O annealed at different temperatures. Journal of Magnetism and Magnetic Materials, 2015, 389, 153-156.	1.0	18
68	Noval properties of PVA/PVP polymer blend doped by nano-ZnO/M (Mâ€‰=â€‰Co, Cu, Mn, V). Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	18
69	Effect of doping and changing of the annealing temperature on the structural and optical properties of ZnS. International Journal of Applied Ceramic Technology, 2020, 17, 823-831.	1.1	17
70	Effect of Zn/S non-stoichiometric ratio on the structural, optical and electronic properties of nano-ZnS. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	17
71	Fe cation occupancies in GaFeO₃prepared by solâ€“gel and solid state reaction. Phase Transitions, 2010, 83, 824-835.	0.6	16
72	Dielectric anomaly and magnetic properties of multiferroic GaFe0.75Mn0.25O3. Materials Letters, 2012, 85, 102-105.	1.3	16

#	Article	IF	Citations
73	Structure and optical properties of ZnO produced from microwave hydrothermal hydrolysis of tris(ethylenediamine)zinc nitrate complex. Journal of Molecular Structure, 2015, 1079, 480-485.	1.8	16
74	Flower-like morphology of blue and greenish-gray ZnCoxAl2-xO4 nanopigments. Journal of Molecular Structure, 2016, 1105, 61-69.	1.8	16
75	Structural analysis and magnetic properties of biphasic chromium-substituted copper ferrites. Journal of Molecular Structure, 2017, 1147, 668-675.	1.8	16
76	Structural, optical, mechanical, and electronic properties of Cr-doped alumina. Journal of Materials Science: Materials in Electronics, 2020, 31, 14645-14657.	1.1	16
77	Structural, optical, and electronic properties of non-stoichiometric nano-ZnS1â^'x: Mnx. Journal of Materials Science: Materials in Electronics, 2020, 31, 13447-13459.	1.1	16
78	Influence of Cr and Fe doping on the structure, magnetic and optical properties of nano CuCo2O4. Ceramics International, 2021, 47, 7888-7897.	2.3	16
79	Effect of Zn Substitution on Structural, Magnetic, and Electric Properties of Ni 1â^'x Zn x Fe 1.78Al 0.2Gd 0.02 O 4 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3675-3683.	0.8	15
80	SnS2/Polycarbonate Nanocomposites: Structural and Optical Characterizations. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2289-2298.	1.9	15
81	Influence of iron substitution on structural and dielectric properties of nano ZnMn2O4. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	15
82	The effect of concentration of nano CdS/Fe prepared under different conditions on the structural, optical absorption and linear/nonlinear parameters of PVA/PVP polymer blend. Optical Materials, 2021, 122, 111788.	1.7	15
83	Structure, microstructure and magnetic properties of mixed rare earth oxide (Dy_{1â€x}Er_x)₂O₃. Crystal Research and Technology, 2011, 46, 272-276.	0.6	14
84	Photophysical Parameters of Functional Transparent Polymethyl-Methacrylate/Double-Walled Carbon Nanotubes Nanocomposite Sheet Under UV-Irradiation. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 780-787.	1.9	14
85	Structural and properties correlation in PANIâ€“Mo doped CoFe2O4 nanocomposite. Journal of Materials Science: Materials in Electronics, 2017, 28, 17578-17586.	1.1	14
86	Optical and Structural Characteristics of CdSe/PMMA Nanocomposites. International Polymer Processing, 2018, 33, 226-233.	0.3	14
87	The role of high-valent (Mo and V) cations in defect spinel iron oxide nanomaterials: Toward improving Li-ion storage. Ceramics International, 2018, 44, 20692-20699.	2.3	14
88	Modifying the electronic and optical properties of nano-ZnS via doping with Mn and Fe. Journal of Materials Science: Materials in Electronics, 2021, 32, 12358-12370.	1.1	14
89	Structural and magnetic properties of ferromagnetic nano-sized (Ni1â^'xCox)0.85Se prepared by simple hydrothermal method. Materials Letters, 2013, 93, 115-117.	1.3	13
90	Effect of Er-doping on structural, magnetic and dielectric properties of nano CoFe2O4. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	13

#	Article	IF	Citations
91	Effect of Mg and Cu doping on structural, optical, electronic, and thermal properties of ZnS quantum dots. Journal of Materials Science: Materials in Electronics, 2020, 31, 21342-21354.	1.1	13
92	Influence of (Mn or Co)-doping on structural, magnetic and electronic properties of nano Zn0.75Cd0.25S. Chinese Journal of Physics, 2020, 67, 414-427.	2.0	13
93	Structure and dielectric properties of ZnMn2O4/NiFe2O4 nanocomposite. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	13
94	Impact of ZnCdS/M (Mâ€‰=â€‰Co, Fe, Mn, V) doping on the structure and optical properties of PVA/PVP polymer. Journal of Polymer Research, 2021, 28, 1.	1.2	13
95	Controlling the structural, linear and nonlinear optical and photoluminescent characteristics of NiCo2O4 via alloying with MnS. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	13
96	Structure, magnetic and dielectric properties of nanocrystalline Seâ˜’ x Fe. Superlattices and Microstructures, 2014, 75, 311-323.	1.4	12
97	Fascinating functional properties of Mn:Gd2O3 nanocrystalline phosphor. Journal of Molecular Structure, 2015, 1097, 151-156.	1.8	12
98	Structural, Magnetic, and Optical Performance of Al and Mo Doped GaFeO3. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1647-1655.	0.8	12
99	Probing the local atomic structure in CoLa_{0.15}Fe_{1.85}O₄ as a function of the synthesis method by multi edge XAFS. Materials Research Express, 2019, 6, 115502.	0.8	12
100	Effect of Mo-doping on the structure, magnetic and optical characteristics of nano CuCo2O4. Journal of Materials Research and Technology, 2021, 10, 832-839.	2.6	12
101	Modifying the structure and optical characteristics of ZnMn2O4 by alloying with CdS to form heterostructure nanocomposite. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	12
102	Effect of Mn doping on structural and magnetic susceptibility of C-type rare earth nano oxides Er2â˜’xMnxO3. Materials Research Bulletin, 2012, 47, 4278-4282.	2.7	11
103	Structural optical correlated properties of SnO2/Al2O3 core@ shell heterostructure. Journal of Molecular Structure, 2016, 1115, 156-160.	1.8	11
104	Structural and magnetic properties of Sm2â˜’xMnxO3 nanoparticles. Materials Research Bulletin, 2013, 48, 3750-3755.	2.7	10
105	Structural and magnetic properties of Mn doped Ho2O3 nanocrystalline. Journal of Molecular Structure, 2015, 1102, 135-140.	1.8	10
106	Functional properties of quaternary metals (1Ââ˜’Âx)ZnMn2O4/(x)MgFe2O4 as supercapacitor electrode. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	10
107	Optical and electronic correlation in Mg-doped nano cadmium sulfide. Optical and Quantum Electronics, 2021, 53, 1.	1.5	10
108	Effect of preparation temperature on the structural, optical and electronic properties of co-doped ZnS nanostructures. Chemical Physics Letters, 2021, 775, 138653.	1.2	10

#	Article	IF	Citations
109	Effect of vacancies and vanadium doping on the structural and magnetic properties of nano LiFe2.5O4. Journal of Materials Research and Technology, 2020, 9, 16435-16444.	2.6	10
110	Modification of the optical and structural characteristics of ZnMn2O4 upon combining with nano-MnS. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	10
111	PVA/PVP/PEG polymeric blend loaded with nano-Zn0.75â^'xFexCd0.25S: effect of iron concentration on the optical characteristics. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	10
112	Spectroscopic ellipsometry and solar cell performance of Cs-doped MA0.05FA0.95Pb(I0.98Br0.02)3 triple cation perovskite thin films for solar cell applications. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	10
113	Structural and optical properties of doped ZnO/SiO₂ nanocomposite. International Journal of Applied Ceramic Technology, 2019, 16, 1209-1217.	1.1	9
114	Role of Cu/S ratio and Mg doping on modification of structural and optical characteristics of nano CuS. International Journal of Applied Ceramic Technology, 2020, 17, 832-840.	1.1	9
115	Phase analysis and cation distribution correlated with magnetic properties of spinel Ba1â^'xSrxFe2O4 ferrites prepared at different annealing temperatures. Journal of Materials Science: Materials in Electronics, 2020, 31, 12482-12492.	1.1	9
116	Cu-substituted sulfur in nano-ZnS: structural, optical and electronic properties study. Journal of Materials Science: Materials in Electronics, 2020, 31, 12696-12707.	1.1	9
117	Correlation between structural and optical characteristics upon changing the composition ratio of CuS@MnS nanocomposites. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	9
118	Structural and dielectric correlation in nano ZnMn2â^'xCrxO4. Journal of Materials Science: Materials in Electronics, 2021, 32, 19529-19542.	1.1	9
119	Structure and optical properties of Zn and Mn co-doped nano-NiFe2O4. Journal of Materials Science: Materials in Electronics, 2021, 32, 22718-22729.	1.1	9
120	Effect of Mn-doping on the optical and electronics characteristics of cadmium sulfide photocatalyst prepared under different conditions. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	9
121	Modifying the optical properties of 0.7PVA/0.3PEG blend through doping with CdS/TM (TM: Fe, Mg, Mn). Optical Materials, 2022, 123, 111938.	1.7	9
122	Controlling the optical characteristics of CdSx thin film by changing the stoichiometric ratio (x). Journal of Materials Science: Materials in Electronics, 2022, 33, 17571-17586.	1.1	9
123	Structural, magnetic, and optical properties of nanoâ€sized Ni 0.85 Se. International Journal of Applied Ceramic Technology, 2019, 16, 1590-1595.	1.1	8
124	Exploring the Effect of Fe/Cr Doping on Structural and Optical Characteristics of Nano ZnMn2O4. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 23-36.	1.9	8
125	Impact of preparation temperature on the structure, optical and electronic characteristics of Zn0.9V0.1S nanoparticles with Williamson-Hall model mechanistic view. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	8
126	Structure and Microstructure in Relation to Magnetic/Dielectric Properties of Nanocrystalline Ni1â^'x Zn x Fe1.5Cr 0.5O4 Ferrite. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2121-2131.	0.8	7

#	Article	IF	Citations
127	Synthesis and Characterization of Ultrasmall Nanocrystalline Zn-substituted Ni-Sm-Ga Ferrites. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3335-3342.	0.8	7
128	Optical and Electrical Properties of Double-Walled Carbon Nanotube/Polyaniline Composite. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1439-1445.	0.8	7
129	Influence of transition metals doping (M) on the structural, optical, and electronic properties of non-stoichiometric nano-CdS1â^'x:Mx. Journal of Materials Science: Materials in Electronics, 2021, 32, 1850-1863.	1.1	7
130	Structural, optical, and electronic characteristics of non-stoichiometric nanocadmium sulfide. Journal of Materials Science: Materials in Electronics, 2021, 32, 9517-9530.	1.1	7
131	Structure, magnetic and dielectric correlations in indium-doped gallium ferrite. Results in Physics, 2021, 24, 104116.	2.0	7
132	Exploring the structural and optical characteristics of ZnMn2O4/NiFe2O4 nanocomposite. Journal of Materials Science: Materials in Electronics, 2021, 32, 27121-27132.	1.1	7
133	Changes in optical properties and structural phases grown upon forming ZnMn2O4/ZnFe2O4 heterostructure nanocomposite. Chemical Physics Letters, 2021, 784, 139110.	1.2	7
134	Effect of nano CdS/Mg on linear and nonlinear optical characteristic of PVA/PVP/PEG film. Journal of Materials Science: Materials in Electronics, 2022, 33, 17235-17248.	1.1	7
135	Effects of composition ratio of nano ZnS on structural and optical characteristics of Eu-doped maghemite$$/$$ZnS nanocomposite system. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	7
136	Structural, Optical and Magnetic Properties of PANI/Se0.95Fe0.05 Nanocomposites. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2981-2986.	0.8	6
137	The impact of cobalt insertion on the structural and magnetic properties of nonstoichiometric ZnCo Fe1.7O4 (xÂ>0.3) nanoferrites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 269, 115151.	1.7	6
138	Synthesis and Characterization of Eco-Friendly CMC/Maghemite Nanocomposite Films. Journal of Electronic Materials, 2021, 50, 7098-7109.	1.0	6
139	Tracking the changes in the structural, optical and photoluminescent properties of CuCo₂O₄/MnS nanocomposites with different composition ratios. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2022, 77, 291-304.	0.7	6
140	Structural and optical properties of (1â€‰â^'â€‰x)ZnMn2O4/xPbS nanocomposites. Journal of Materials Science: Materials in Electronics, 2022, 33, 11354-11364.	1.1	6
141	Structural and Optical Characteristic of Cu-Doped TiO2 Thin Film. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2853-2862.	1.9	6
142	Nanofabrication and functional characterization of Co9-xNixS8 nanoparticles for optoelectronic applications. Optical Materials, 2022, 129, 112561.	1.7	6
143	Structural, microstructural, magnetic and electrical properties of diluted magnetic Se1â^'xMnx. Journal Physics D: Applied Physics, 2013, 46, 475003.	1.3	5
144	Correlating cation distribution with the structural and magnetic properties of Co0.5Zn0.5AlxFe2â€“xO4 nanoferrites. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	5

#	Article	IF	Citations
145	Improved photocatalytic performance of nano (Mg1-xZnx)[Fe2-2x Mn2x]O4 solid solution. Journal of Materials Research and Technology, 2021, 11, 1480-1489.	2.6	5
146	Effect of chlorobenzene on the optical and structural properties of CH3NH3PbI3:DMF perovskite films. Journal of Materials Research and Technology, 2021, 14, 287-297.	2.6	5
147	Electrochemical performance of CuCo2O4/CuS nanocomposite as a novel electrode material for supercapacitor. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	5
148	Effect of cesium doping and antisolvent on the linear and nonlinear characteristics of CH3NH3PbI3 perovskite thin films. Optical and Quantum Electronics, 2022, 54, 1.	1.5	5
149	Optical investigations of Zn_{0.75â^’x}Mn_xCd₀_{.25}S/PVA/PEG blend. Journal of Taibah University for Science, 2022, 16, 174-182.	1.1	5
150	Effect of vanadium doping on the structural and optical characteristics of nano ZnCdS. Physica Scripta, 2022, 97, 055802.	1.2	5
151	(1â^’x)NiFe2O4/xZnMn2O4 solid solution: structure and dielectric properties investigation. Journal of Materials Science: Materials in Electronics, 2022, 33, 10524-10539.	1.1	5
152	Exploration of structural, optical, and photoluminescent properties of (1 â€“) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (x)NiCo<sub Physics B, 2022, 31, 067801.	0.7	5
153	Impact of composition ratio on the structure and optical properties of (1 â€“) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (x) Physics B, 2022, 31, 077102.	0.7	5
154	Effect of partial substitution of Cr or Mn for Ga or Fe on crystal-structure and microstructures of GaFeO₃. Powder Diffraction, 2007, 22, 256-258.	0.4	4
155	Should the mass of a nanoferrite sample prepared by autocombustion method be considered as a realistic preparation parameter?. Journal of Magnetism and Magnetic Materials, 2017, 424, 267-274.	1.0	4
156	Structural and dielectric properties of aluminum-doped GaFeO3. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	4
157	Influence of Synthesis Temperature on the Phases Developed and Optical Properties of Manganese Sulfide and Zinc Sulfide. Crystal Research and Technology, 2021, 56, 2000201.	0.6	4
158	Comparative study of the optical and structure characteristics of CH3NH3PbI3: DMSO perovskite films with and without chlorobenzene. Results in Physics, 2021, 28, 104642.	2.0	4
159	Modifying the structure and dielectric characteristics of MnFe2O4/ZnMn2O4 heterostructure nanocomposites via changing the composition. Journal of Sol-Gel Science and Technology, 2022, 101, 323-334.	1.1	4
160	Structure and optical properties of nano-ZnMn2O4/CuS solid solution heterostructure. Journal of Sol-Gel Science and Technology, 2022, 101, 637-648.	1.1	4
161	Improving the optical characteristics of PVA/PVP/PEG blend via loading with nano SnS2/Y. Journal of Materials Science: Materials in Electronics, 2022, 33, 12783-12795.	1.1	4
162	Effect of Zn, Ga and Gd Doping on Structural and Magnetic Properties of Nanonickel Ferrite Prepared by Two Different Methods. Journal of Superconductivity and Novel Magnetism, 2019, 32, 115-125.	0.8	3

#	Article	IF	Citations
163	Effect of reaction time and different solvents ratios on the formed phases and optical properties of formamidinium lead bromide. Optical Materials, 2021, 119, 111318.	1.7	3
164	Effect of alloying on the structure and electric properties of ZnFe2O4/ZnMn2O4 heterostructure nanocomposites. Journal of Taibah University for Science, 2021, 15, 999-1012.	1.1	3
165	Structural, optical and electronic characteristics of Cu and Mg-doped nano MnS sample prepared by molten salt solid state reaction. Journal of Materials Science: Materials in Electronics, 2022, 33, 10388-10398.	1.1	3
166	The investigation of structural and magnetic properties of Er2â^'xCoxO3 nano-oxides. Journal of Materials Science: Materials in Electronics, 2022, 33, 1-10.	1.1	2
167	Effect of vanadium and tungsten doping on the structural, optical, and electronic characteristics of TiO2 nanoparticles. Journal of Materials Science: Materials in Electronics, 2022, 33, 10399-10409.	1.1	2
168	Improved nonlinear optical and magnetic properties of Eu-doped nano-maghemite. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	2
169	Optical and structure properties of CH3NH3PbI3 perovskite films doped with Cesium. EPJ Applied Physics, 0, , .	0.3	1
170	Structural and Magnetic Properties of Ni Nanoferrites Doped With Rare Earth and Transition Metals. , 2018, , 323-350.		0
171	Hydrothermal Synthesis, Anionic Dyes Preconcentration, and Energy Storage of Amino-Functionalized CuNPs Regenerated Chitosan Membrane. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2492-2500.	1.9	0
172	MÃ¶ssbauer and neutron diffraction study of polycrystalline GaFeO3. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s103-s103.	0.3	0
173	Structure and magnetic properties of C-type doped rare earth oxides Er2â^'xMnxO3and Er2â^'xNixO3. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s305-s305.	0.3	0
174	Influence of adding 5-ammonium valeric acid bomide on the linear and nonlinear optical properties of formamidinium lead bromide perovskite films. Optical Materials, 2022, 124, 111955.	1.7	0