Alex V Trukhanov

List of Publications by Citations

239 papers	7,650 citations	63 h-index	76 g-index
257 ext. papers	10,197 ext. citations	3.6 avg, IF	6.47 L-index

#	Paper	IF	Citations
239	Crystal structure and magnetic properties of the BaFe12−xAlxO19 (x=0.1–1.2) solid solutions. *Journal of Magnetism and Magnetic Materials*, **2015**, 393, 253-259	2.8	130
238	Control of electromagnetic properties in substituted M-type hexagonal ferrites. *Journal of Alloys and Compounds*, **2018**, 754, 247-256	5.7	118
237	Magnetic state of the structural separated anion-deficient La0.70Sr0.30MnO2.85 manganite. *Journal of Experimental and Theoretical Physics*, **2011**, 113, 819-825	1	110
236	Coexistence of spontaneous polarization and magnetization in substituted M-type hexaferrites BaFe12−x Al x O19 (x ? 1.2) at room temperature. *JETP Letters*, **2016**, 103, 100-105	1.2	108
235	Crystal structure and magnetic properties of the BaFe12−xInxO19 (x=0.1–1.2) solid solutions. *Journal of Magnetism and Magnetic Materials*, **2016**, 417, 130-136	2.8	107
234	Critical behavior of La0.825Sr0.175MnO2.912 anion-deficient manganite in the magnetic phase transition region. *JETP Letters*, **2007**, 85, 507-512	1.2	107
233	Magnetic properties and Mössbauer study of gallium doped M-type barium hexaferrites. *Ceramics International*, **2017**, 43, 12822-12827	5.1	106
232	Investigation into the structural features and microwave absorption of doped barium hexaferrites. *Dalton Transactions*, **2017**, 46, 9010-9021	4.3	106
231	Correlation Between Composition and Electrodynamics Properties in Nanocomposites Based on Hard/Soft Ferrimagnetics with Strong Exchange Coupling. *Nanomaterials*, **2019**, 9,	5.4	105
230	Ultrahigh enhancement rate of the energy density of flexible polymer nanocomposites using core–shell BaTiO3@MgO structures as the filler. *Journal of Materials Chemistry A*, **2020**, 8, 11124-11132	13	101
229	Polarization origin and iron positions in indium doped barium hexaferrites. *Ceramics International*, **2018**, 44, 290-300	5.1	101
228	Structure and magnetic properties of BaFe11.9In0.1O19 hexaferrite in a wide temperature range. *Journal of Alloys and Compounds*, **2016**, 689, 383-393	5.7	94
227	Preparation and investigation of structure, magnetic and dielectric properties of (BaFe11.9Al0.1O19)1- - (BaTiO3) bicomponent ceramics. *Ceramics International*, **2018**, 44, 21295-21302	5.1	93
226	Multiferroic properties and structural features of M-type Al-substituted barium hexaferrites. *Physics of the Solid State*, **2017**, 59, 737-745	0.8	91
225	Correlation of the atomic structure, magnetic properties and microwave characteristics in substituted hexagonal ferrites. *Journal of Magnetism and Magnetic Materials*, **2018**, 462, 127-135	2.8	91
224	Thermal evolution of exchange interactions in lightly doped barium hexaferrites. *Journal of Magnetism and Magnetic Materials*, **2017**, 426, 554-562	2.8	91
223	Magnetic anisotropy of the graphite nanoplatelet–epoxy and MWCNT–epoxy composites with aligned barium ferrite filler. *Journal of Materials Science*, **2017**, 52, 5345-5358	4.3	90

222	Magnetic, dielectric and microwave properties of the BaFe12-xGaxO19 (x 1.2) solid solutions at room temperature. *Journal of Magnetism and Magnetic Materials*, **2017**, 442, 300-310	2.8	90
221	Frustrated exchange interactions formation at low temperatures and high hydrostatic pressures in La0.70Sr0.30MnO2.85. *Journal of Experimental and Theoretical Physics*, **2010**, 111, 209-214	1	90
220	Evolution of structure and magnetic properties for BaFe11.9Al0.1O19 hexaferrite in a wide temperature range. *Journal of Magnetism and Magnetic Materials*, **2017**, 426, 487-496	2.8	89
219	Significantly enhanced electrostatic energy storage performance of P(VDF-HFP)/BaTiO3-Bi(Li0.5Nb0.5)O3 nanocomposites. *Nano Energy*, **2020**, 78, 105247	17.1	88
218	Impact of Eu3+ ion substitution on structural, magnetic and microwave traits of NiCuZn spinel ferrites. *Ceramics International*, **2020**, 46, 11124-11131	5.1	86
217	Magnetic and dipole moments in indium doped barium hexaferrites. *Journal of Magnetism and Magnetic Materials*, **2018**, 457, 83-96	2.8	86
216	Effect of gallium doping on electromagnetic properties of barium hexaferrite. *Journal of Physics and Chemistry of Solids*, **2017**, 111, 142-152	3.9	86
215	Critical influence of different diamagnetic ions on electromagnetic properties of BaFe12O19. *Ceramics International*, **2018**, 44, 13520-13529	5.1	84
214	Temperature evolution of the structure parameters and exchange interactions in BaFe12InxO19. *Journal of Magnetism and Magnetic Materials*, **2018**, 466, 393-405	2.8	84
213	Magnetic properties of anion deficit manganites Ln0.55Ba0.45MnO3 (Ln=La, Nd, Sm, Gd, 0.37). *Journal of Magnetism and Magnetic Materials*, **2000**, 208, 217-220	2.8	84
212	Effect of the size factor on the magnetic properties of manganite La0.50Ba0.50MnO3. *Physics of the Solid State*, **2008**, 50, 886-893	0.8	83
211	Fe Nanoparticles for Complex Targeted Delivery and Boron Neutron Capture Therapy. *Nanomaterials*, **2019**, 9,	5.4	82
210	Features of crystal structure and dual ferroic properties ofBaFe12-xMexO19(Me=In3+andGa3+; x = 0.1 1.2). *Journal of Magnetism and Magnetic Materials*, **2018**, 464, 139-147	2.8	82
209	Immobilization of boron-rich compound on Fe3O4 nanoparticles: Stability and cytotoxicity. *Journal of Alloys and Compounds*, **2019**, 797, 573-581	5.7	81
208	Features of crystal and magnet structure of the BaFe12-xGaxO19 (x 2) in the w e temperature range. *Journal of Alloys and Compounds*, **2019**, 791, 522-529	5.7	80
207	Magnetotransport Properties and Mechanism of the A-Site Ordering in the NdBa Optimal-Doped Manganites. *Journal of Low Temperature Physics*, **2007**, 149, 185-199	1.3	79
206	Thermal stability of A-site ordered PrBaMn2O6 manganites. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 675-681	3.9	79
205	Strong corelation between magnetic and electrical subsystems in diamagnetically substituted hexaferrites ceramics. *Ceramics International*, **2017**, 43, 5635-5641	5.1	78

204	Electrophysical properties of epoxy-based composites with graphite nanoplatelets and magnetically aligned magnetite. *Molecular Crystals and Liquid Crystals*, **2018**, 661, 68-80	0.5	77
203	Evolution of structure and physical properties in Al-substituted Ba-hexaferrites. *Chinese Physics B*, **2016**, 25, 016102	1.2	76
202	Influence of the charge ordering and quantum effects in heterovalent substituted hexaferrites on their microwave characteristics. *Journal of Alloys and Compounds*, **2019**, 788, 1193-1202	5.7	76
201	Evolution of magnetic state in the La1−xCaxMnO3−δ (x=0.30, 0.50) manganites depending on the oxygen content. *Journal of Solid State Chemistry*, **2002**, 169, 85-95	3.3	75
200	Functional Magnetic Composites Based on Hexaferrites: Correlation of the Composition, Magnetic and High-Frequency Properties. *Nanomaterials*, **2019**, 9,	5.4	75
199	Control of Growth Mechanism of Electrodeposited Nanocrystalline NiFe Films. *Journal of the Electrochemical Society*, **2019**, 166, D173-D180	3.9	74
198	Anomalies in Ni-Fe nanogranular films growth. *Journal of Alloys and Compounds*, **2018**, 748, 970-978	5.7	74
197	Magnetic properties of La0.70Sr0.30MnO2.85 anion-deficient manganite under hydrostatic pressure. *JETP Letters*, **2006**, 83, 33-36	1.2	74
196	Correlation of crystalline and magnetic structures of barium ferrites with dual ferroic properties. *Journal of Magnetism and Magnetic Materials*, **2019**, 477, 9-16	2.8	73
195	Features of the Growth Processes and Magnetic Domain Structure of NiFe Nano-objects. *Journal of Physical Chemistry C*, **2019**, 123, 26957-26964	3.8	72
194	Investigation of AC-Measurements of Epoxy/Ferrite Composites. *Nanomaterials*, **2020**, 10,	5.4	71
193	Effectiveness of the magnetostatic shielding by the cylindrical shells. *Journal of Magnetism and Magnetic Materials*, **2016**, 398, 49-53	2.8	70
192	Investigation of the crystal and magnetic structures of BaFe12 - x Al x O19 solid solutions (x = 0.1-1.2). *Crystallography Reports*, **2015**, 60, 629-635	0.6	70
191	Electrochemical deposition regimes and critical influence of organic additives on the structure of Bi films. *Journal of Alloys and Compounds*, **2018**, 735, 1943-1948	5.7	70
190	Pecularities of the magnetic structure and microwave properties in Ba(Fe1-xScx)12O19 (x. *Journal of Alloys and Compounds*, **2020**, 822, 153575	5.7	69
189	Electromagnetic properties of BaFe12O19:Ti at centimeter wavelengths. *Journal of Alloys and Compounds*, **2018**, 755, 177-183	5.7	68
188	The effect of Nb substitution on magnetic properties of BaFe12O19 nanohexaferrites. *Ceramics International*, **2019**, 45, 1691-1697	5.1	67
187	Study of A-site ordered PrBaMn2O6−δ manganite properties depending on the treatment conditions. *Journal of Physics Condensed Matter*, **2005**, 17, 6495-6506	1.8	66

186	Effect of treatment conditions on structure and magnetodielectric properties of barium hexaferrites. *Journal of Magnetism and Magnetic Materials*, **2020**, 498, 166190	2.8	66
185	Study of the crystalline and magnetic structures of BaFe11.4Al0.6O19 in a wide temperature range. *Journal of Surface Investigation*, **2015**, 9, 17-23	0.5	65
184	AC and DC-shielding properties for the Ni80Fe20/Cu film structures. *Journal of Magnetism and Magnetic Materials*, **2017**, 443, 142-148	2.8	65
183	Specifics of pyrohydrolytic and solid-phase syntheses of solid solutions in the (MgGa2O4) x (MgFe2O4)1 −x system. *Russian Journal of Inorganic Chemistry*, **2010**, 55, 427-429	1.5	65
182	Crystal structure and magnetic properties of Ba-ordered manganites Ln0.70Ba0.30MnO3−δ (Ln = Pr, Nd). *Journal of Experimental and Theoretical Physics*, **2006**, 103, 398-410	1	65
181	Phase separation and size effects in Pr(0.70)Ba(0.30)MnO(3+δ) perovskite manganites. *Journal of Physics Condensed Matter*, **2007**, 19, 266214	1.8	64
180	Peculiarities of the microwave properties of hard-soft functional composites SrTbTmFeO-AFeO (A = Co, Ni, Zn, Cu, or Mn).. *RSC Advances*, **2020**, 10, 32638-32651	3.7	64
179	Crystal and magnetic structures, magnetic and ferroelectric properties of strontium ferrite partially substituted with in ions. *Journal of Alloys and Compounds*, **2020**, 821, 153412	5.7	63
178	Synthesis of barium ferrite nanoparticles using rhizome extract of Acorus Calamus: Characterization and its efficacy against different plant phytopathogenic fungi. *Nano Structures Nano Objects*, **2020**, 24, 100599	5.6	63
177	Manganese/Yttrium Codoped Strontium Nanohexaferrites: Evaluation of Magnetic Susceptibility and Mossbauer Spectra. *Nanomaterials*, **2018**, 9,	5.4	63
176	Magnetic and absorbing properties of M-type substituted hexaferrites BaFe12−x Ga x O19 (0.1 Journal of Experimental and Theoretical Physics, **2016**, 123, 461-469	1	59
175	Effect of magnetic fields on magnetic phase separation in anion-deficient manganite La0.70Sr0.30MnO2.85. *Low Temperature Physics*, **2011**, 37, 465-469	0.7	55
174	Correlation of the synthesis conditions and microstructure for Bi-based electron shields production. *Journal of Alloys and Compounds*, **2018**, 749, 1036-1042	5.7	53
173	Measurement of permittivity and permeability of barium hexaferrite. *Journal of Magnetism and Magnetic Materials*, **2018**, 465, 290-294	2.8	53
172	Effect of magnetic fillers and their orientation on the electrodynamic properties of BaFe12-xGaxO19 (x = 0.1–1.2)–epoxy composites with carbon nanotubes within GHz range. *Applied Nanoscience (Switzerland)*, **2020**, 10, 4747-4752	3.3	52
171	Influence of Nd-NbZn co-substitution on structural, spectral and magnetic properties of M-type calcium-strontium hexaferrites Ca0.4Sr0.6-xNdxFe12.0-x(Nb0.5Zn0.5)xO19. *Journal of Alloys and Compounds*, **2018**, 765, 616-623	5.7	51
170	Magnetic and microwave properties of SrFe12O19/MCe0.04Fe1.96O4 (M = Cu, Ni, Mn, Co and Zn) hard/soft nanocomposites. *Journal of Materials Research and Technology*, **2020**, 9, 5858-5870	5.5	48
169	Strong correlation between Dy3+ concentration, structure, magnetic and microwave properties of the [Ni0.5Co0.5](DyxFe2-x)O4 nanosized ferrites. *Journal of Industrial and Engineering Chemistry*, **2020**, 90, 251-259	6.3	47

168	Electrochemical Behaviour of Ti/AlO/Ni Nanocomposite Material in Artificial Physiological Solution: Prospects for Biomedical Application. *Nanomaterials*, **2020**, 10,	5.4	45
167	Magnetic Attributes of NiFeO Nanoparticles: Influence of Dysprosium Ions (Dy) Substitution. *Nanomaterials*, **2019**, 9,	5.4	44
166	The Effect of Heat Treatment on the Microstructure and Mechanical Properties of 2D Nanostructured Au/NiFe System. *Nanomaterials*, **2020**, 10,	5.4	43
165	Function composites materials for shielding applications: Correlation between phase separation and attenuation properties. *Journal of Alloys and Compounds*, **2019**, 771, 238-245	5.7	42
164	Effect of the Synthesis Conditions and Microstructure for Highly Effective Electron Shields Production Based on Bi Coatings. *ACS Applied Energy Materials*, **2018**, 1, 1695-1702	6.1	41
163	Investigation of structural and physical properties of Eu3+ ions substituted Ni0.4Cu0.2Zn0.4Fe2O4 spinel ferrite nanoparticles prepared via sonochemical approach. *Results in Physics*, **2020**, 17, 103061	3.7	40
162	Early-Stage Growth Mechanism and Synthesis Conditions-Dependent Morphology of Nanocrystalline Bi Films Electrodeposited from Perchlorate Electrolyte. *Nanomaterials*, **2020**, 10,	5.4	37
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160	Synthesis and structure of nanocrystalline La0.50Ba0.50MnO3. *Crystallography Reports*, **2008**, 53, 1177-1180	0.8	36
159	Formation and corrosion properties of Ni-based composite material in the anodic alumina porous matrix. *Journal of Alloys and Compounds*, **2019**, 804, 139-146	5.7	35
158	Influence of titanium substitution on structure, magnetic and electric properties of barium hexaferrites BaFe12−xTixO19. *Journal of Magnetism and Magnetic Materials*, **2020**, 498, 166117	2.8	35
157	Effect of Ga content on magnetic properties of BaFe12−xGaxO19/epoxy composites. *Journal of Materials Science*, **2020**, 55, 9385-9395	4.3	34
156	Preparation and morphology-dependent wettability of porous alumina membranes. *Beilstein Journal of Nanotechnology*, **2018**, 9, 1423-1436	3	34
155	High hydrostatic pressure effect on magnetic state of anion-deficient La0.70Sr0.30MnOx perovskite manganites. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, e88-e91	2.8	31
154	Experimental and Theoretical Study of Radiation Shielding Features of CaO-KO-NaO-PO Glass Systems. *Materials*, **2021**, 14,	3.5	30
153	Properties of Mg(Fe1 −x Ga x)2O4 + δsolid solutions in stable and metastable states. *Inorganic Materials*, **2010**, 46, 429-433	0.9	29
152	Ni substitution effect on the structure, magnetization, resistivity and permeability of zinc ferrites. *Journal of Materials Chemistry C*, **2021**, 9, 5425-5436	7.1	29
151	Impact of the heat treatment conditions on crystal structure, morphology and magnetic properties evolution in BaM nanohexaferrites. *Journal of Alloys and Compounds*, **2021**, 866, 158961	5.7	28

150	Developing the magnetic, dielectric and anticandidal characteristics of SrFe12O19/(Mg0.5Cd0.5Dy0.03Fe1.97O4)x hard/soft ferrite nanocomposites. *Journal of the Taiwan Institute of Chemical Engineers*, **2020**, 113, 344-362	5.3	27
149	Modeling of paths and energy losses of high-energy ions in single-layered and multilayered materials. *IOP Conference Series: Materials Science and Engineering*, **2020**, 848, 012089	0.4	27
148	Functional SrBaSmFeO/(NiZnFeO) Hard-Soft Ferrite Nanocomposites: Structure, Magnetic and Microwave Properties. *Nanomaterials*, **2020**, 10,	5.4	26
147	Peculiarities of the Crystal Structure Evolution of BiFeO-BaTiO Ceramics across Structural Phase Transitions. *Nanomaterials*, **2020**, 10,	5.4	26
146	Cation ordering and magnetic properties of neodymium-barium manganites. *Technical Physics*, **2008**, 53, 49-54	0.5	24
145	Study of comprehensive shielding behaviors of chambersite deposit for neutron and gamma ray. *Progress in Nuclear Energy*, **2022**, 146, 104155	2.3	24
144	Synthesis, phase composition and structural and conductive properties of ferroelectric microparticles based on ATiOx (A = Ba, Ca, Sr). *Ceramics International*, **2019**, 45, 17236-17242	5.1	23
143	Structural features, magnetic and ferroelectric properties of SrFe10.8In1.2O19 compound. *Materials Research Bulletin*, **2021**, 138, 111236	5.1	23
142	Structural and Magnetic Properties of CoNiGaGdFeO/ZnFeO Spinel Ferrite Nanocomposites: Comparative Study between Sol-Gel and Pulsed Laser Ablation in Liquid Approaches. *Nanomaterials* , **2021**, 11,	5.4	23
141	Method of surface energy investigation by lateral AFM: application to control growth mechanism of nanostructured NiFe films. *Scientific Reports*, **2020**, 10, 14411	4.9	22
140	Features of crystal and magnetic structures of solid solutions BaFe12-xDxO19 (D=Al3+, In3+; x=0.1) in a wide temperature range. *European Physical Journal Plus*, **2016**, 131, 1	3.1	22
139	Influence of Tm□b substitution on magnetic and optical properties of Ba□r hexaferrites prepared by ultrasonic assisted citrate sol-gel approach. *Materials Chemistry and Physics*, **2020**, 253, 123324	4.4	21
138	Magnetic and electrical properties of (FeIn2S4)1□(CuIn5S8) solid solutions. *Journal of Magnetism and Magnetic Materials*, **2015**, 379, 22-27	2.8	20
137	Correlation between entropy state, crystal structure, magnetic and electrical properties in M-type Ba-hexaferrites. *Journal of the European Ceramic Society*, **2020**, 40, 4022-4028	6	20
136	Thermal Stability of Nano-Crystalline Nickel Electrodeposited into Porous Alumina. *Solid State Phenomena*, **2020**, 299, 281-286	0.4	20
135	Control of structural parameters and thermal conductivity of BeO ceramics using heavy ion irradiation and post-radiation annealing. *Ceramics International*, **2019**, 45, 15412-15416	5.1	19
134	Electromagnetic Properties of Carbon Nanotube/BaFeGaO/Epoxy Composites with Random and Oriented Filler Distributions. *Nanomaterials*, **2021**, 11,	5.4	19
133	Fabrication of exchange coupled hard/soft magnetic nanocomposites: Correlation between composition, magnetic, optical and microwave properties. *Arabian Journal of Chemistry*, **2021**, 14, 102992	5.9	19

132	Crystal structure, magnetic properties, and raman spectra of solid solutions BaFe12 Al x O19. *Physics of the Solid State*, **2016**, 58, 992-996	0.8	19
131	The Conductivity and Dielectric Properties of Neobium Substituted Sr-Hexaferrites. *Nanomaterials*, **2019**, 9,	5.4	18
130	Development of tungsten doped Ni-Zn nano-ferrites with fast response and recovery time for hydrogen gas sensing application. *Results in Physics*, **2019**, 15, 102531	3.7	18
129	Temperature-Induced structural phase transformations in Cu1.50Zn0.30Te and Cu1.75Cd0.05Te single crystals. *Crystallography Reports*, **2017**, 62, 610-617	0.6	18
128	Effect of titanium substitution and temperature variation on structure and magnetic state of barium hexaferrites. *Journal of Alloys and Compounds*, **2021**, 859, 158365	5.7	18
127	Features of structure, magnetic state and electrodynamic performance of SrFeInO. *Scientific Reports*, **2021**, 11, 18342	4.9	18
126	Structural and magnetic transformations in amorphous ferromagnetic microwires during thermomagnetic treatment under conditions of directional crystallization. *Journal of Alloys and Compounds*, **2017**, 698, 685-691	5.7	17
125	Crystal structure, magnetic, and microwave properties of solid solutions BaFe12 Ga x O19 (0.1 x 1.2). *Physics of the Solid State*, **2016**, 58, 1792-1797	0.8	17
124	Tb3+ ion substituted Sr-hexaferrites as high quality microwave absorbers. *Journal of Magnetism and Magnetic Materials*, **2019**, 491, 165595	2.8	17
123	Magnetic and microwave properties of carbonyl iron in the high frequency range. *Journal of Magnetism and Magnetic Materials*, **2019**, 490, 165493	2.8	17
122	Specific features of formation and growth mechanism of multilayered quasi-one-dimensional (Co-Ni-Fe)/Cu systems in pores of anodic alumina matrices. *Crystallography Reports*, **2014**, 59, 744-748	0.6	16
121	Review on functional bi-component nanocomposites based on hard/soft ferrites: Structural, magnetic, electrical and microwave absorption properties. *Nano Structures Nano Objects*, **2021**, 26, 100728	5.6	16
120	Magnetotransport properties and calculation of the stability of GMR coefficients in CoNi/Cu multilayer quasi-one-dimensional structures. *Materials Research Express*, **2016**, 3, 065010	1.7	16
119	A correlation between crystal structure and magnetic properties in co-doped BiFeO3 ceramics. *Journal of Physics and Chemistry of Solids*, **2019**, 126, 164-169	3.9	16
118	Extremely Polysubstituted Magnetic Material Based on Magnetoplumbite with a Hexagonal Structure: Synthesis, Structure, Properties, Prospects. *Nanomaterials*, **2019**, 9,	5.4	15
117	Impact of Tm and Tb Rare Earth Cations Substitution on the Structure and Magnetic Parameters of Co-Ni Nanospinel Ferrite. *Nanomaterials*, **2020**, 10,	5.4	15
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115	Effect of Fe doping on structure, magnetic and electrical properties La0.7Ca0.3Mn0.5Fe0.5O3 manganite. *Ceramics International*, **2018**, 44, 14974-14979	5.1	15

114	Structure, Mössbauer and AC susceptibility of strontium nanohexaferrites: Effect of vanadium ions doping. *Ceramics International*, **2019**, 45, 11615-11624	5.1	14
113	Interface magnetoelectric effect in elastically linked Co/PZT/Co layered structures. *Journal of Magnetism and Magnetic Materials*, **2019**, 485, 291-296	2.8	14
112	Influence of cation substitution on the polymorphic transformation in Ag2□Cu □S (□= 0.45, 0.8, and 1.07) crystals. *Crystallography Reports*, **2017**, 62, 618-621	0.6	14
111	Concentration-dependent structural transition in the La0.70Sr0.30MnO3□system. *JETP Letters*, **2006**, 84, 254-257	1.2	14
110	Effect of Nd-Y co-substitution on structural, magnetic, optical and microwave properties of NiCuZn nanospinel ferrites. *Journal of Materials Research and Technology*, **2020**, 9, 11278-11290	5.5	14
109	Microstructure, dielectric and microwave features of [Ni0.4Cu0.2Zn0.4](Fe2□b)O4 (x□0.1) nanospinel ferrites. *Journal of Materials Research and Technology*, **2020**, 9, 10608-10623	5.5	14
108	Structure and magnetodielectric properties of titanium substituted barium hexaferrites. *Ceramics International*, **2021**, 47, 17293-17306	5.1	14
107	Flux single crystal growth of M-type strontium hexaferrite SrFe12O19 by spontaneous crystallization. *Journal of Magnetism and Magnetic Materials*, **2019**, 470, 97-100	2.8	13
106	Anomalous dielectric behaviour during the monoclinic to tetragonal phase transition in La(Nb0.9V0.1)O4. *Inorganic Chemistry Frontiers*, **2021**, 8, 156-163	6.8	13
105	Preparation and investigation of the magnetoelectric properties in layered cermet structures. *Ceramics International*, **2019**, 45, 13030-13036	5.1	12
104	Influence of Dy Ions on the Microstructures and Magnetic, Electrical, and Microwave Properties of [NiCuZn](Fe Dy)O (0.00 □0.04) Spinel Ferrites. *ACS Omega*, **2021**, 6, 10266-10280	3.9	12
103	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. *Advanced Electronic Materials*, **2022**, 8, 2101124	6.4	12
102	Properties of Mg(Fe0.8Ga0.2)2O4 + □eramics and films. *Inorganic Materials*, **2011**, 47, 204-207	0.9	11
101	Growth and structure of Mg(Fe0.8Ga0.2)2O4 □films. *Inorganic Materials*, **2011**, 47, 1025-1028	0.9	11
100	Ferrimagnetic-Paramagnetic Phase Transition in BaFe11.7In0.3O19 Compound. *Journal of Superconductivity and Novel Magnetism*, **2020**, 33, 2867-2873	1.5	10
99	Polysubstituted High-Entropy [LaNd](CrMnFeCoNi)O Perovskites: Correlation of the Electrical and Magnetic Properties. *Nanomaterials*, **2021**, 11,	5.4	10
98	Can hexaferrite composites be used as a new artificial material for antenna applications?. *Ceramics International*, **2021**, 47, 2615-2623	5.1	10
97	The influence of the synthesis conditions on the magnetic behaviour of the densely packed arrays of Ni nanowires in porous anodic alumina membranes.. *RSC Advances*, **2021**, 11, 3952-3962	3.7	10

96	The origin of the dual ferroic properties in quasi-centrosymmetrical SrFe12−xInxO19 hexaferrites. *Journal of Alloys and Compounds*, **2021**, 886, 161249	5.7	10
95	Influence of cobalt substitution on structural, optical, electrical and magnetic properties of nanosized lithium ferrite. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 16507-16515	2.1	9
94	Crystal structure and magnetic properties of nanosized Mg(Fe0.8Ga0.2)2O4-δ films on Si substrates. *Crystallography Reports*, **2013**, 58, 498-504	0.6	9
93	Effect of Co content on magnetic features and SPIN states IN Ni–Zn spinel ferrites. *Ceramics International*, **2021**, 47, 12163-12169	5.1	9
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91	Phase transformations and changes in the dielectric properties of nanostructured perovskite-like LBZ composites as a result of thermal annealing. *Ceramics International*, **2020**, 46, 14460-14468	5.1	8
90	Electronic structure and density of states in hexagonal BaMnO3. *Modern Physics Letters B*, **2018**, 32, 1850186	1.8	8
89	Structure and piezoelectric properties of Sm-doped BiFeO3 ceramics near the morphotropic phase boundary. *Materials Research Bulletin*, **2019**, 112, 420-425	5.1	8
88	Magnetic Ordering in BaFe(_{11.9})In(_{0.1})O(_{19}) Hexaferrite. *Journal of Low Temperature Physics*, **2017**, 186, 44-62	1.3	8
87	Effect of high pressure on the crystal and magnetic structure and on the raman spectra in Pr0.7Ba0.3MnO3 manganite. *JETP Letters*, **2011**, 94, 579-584	1.2	8
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