

Alex V Trukhanov

List of Publications by Year in Descending Order

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

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	A New Approach to the Formation of Nanosized Gold and Beryllium Films by Ion-Beam Sputtering Deposition.. <i>Nanomaterials</i> , 2022 , 12,	5.4	6
238	Ultra-low temperature co-fired ceramics with adjustable microwave dielectric properties in the Na ₂ OBi ₂ O ₃ /MoO ₃ ternary system: a comprehensive study. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 2008-2016	7.1	4
237	Investigation of exchange coupling and microwave properties of hard/soft (SrNi _{0.02} Zr _{0.01} Fe _{11.96} O ₁₉)/(CoFe ₂ O ₄) _x nanocomposites. <i>Materials Today Nano</i> , 2022 , 100186	9.7	6
236	Impact of Sm and Er Cations on the Structural, Optical, and Magnetic Traits of Spinel Cobalt Ferrite Nanoparticles: Comparison Investigation.. <i>ACS Omega</i> , 2022 , 7, 6292-6301	3.9	3
235	Mechanisms of elastoplastic deformation and their effect on hardness of nanogranular Ni-Fe coatings. <i>International Journal of Mechanical Sciences</i> , 2022 , 215, 106952	5.5	2
234	Fabrication of hierarchical MoO@NiCo(OH) core-shell arrays on carbon cloth as enhanced-performance electrodes for asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 1253-1261	9.3	3
233	Impact of the Nanocarbon on Magnetic and Electrodynamical Properties of the Ferrite/Polymer Composites.. <i>Nanomaterials</i> , 2022 , 12,	5.4	3
232	Structure, Morphology and Electrical/Magnetic Properties of Ni-Mg Nano-Ferrites from a New Perspective.. <i>Nanomaterials</i> , 2022 , 12,	5.4	2
231	A study on the conductivity, dielectric, and microwave properties of SrNb _x Y _x Fe _{12-2x} O ₁₉ (0.00 ≤ x ≤ 0.05) nanohexaferrites. <i>Journal of Materials Research and Technology</i> , 2022 , 17, 2975-2986	5.5	0
230	Structural, Magnetic, and AC Measurements of Nanoferrites/Graphene Composites.. <i>Nanomaterials</i> , 2022 , 12,	5.4	1
229	Study of comprehensive shielding behaviors of chambersite deposit for neutron and gamma ray. <i>Progress in Nuclear Energy</i> , 2022 , 146, 104155	2.3	24
228	Impact of the A-site rare-earth ions (Ln ³⁺ , Sm ³⁺ , Eu ³⁺ , Gd ³⁺) on structure and electrical properties of the high entropy LnCr _{0.2} Mn _{0.2} Fe _{0.2} Co _{0.2} Ni _{0.2} O ₃ perovskites. <i>Ceramics International</i> , 2022 , 48, 9239-9247	5.1	2
227	Growth mechanism study of silver nanostructures in a limited volume. <i>Materials Chemistry and Physics</i> , 2022 , 283, 126016	4.4	2
226	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, 2101124	6.4	12
225	Study of Radiation Embitterment and Degradation Processes of Li ₂ ZrO ₃ Ceramic under Irradiation with Swift Heavy Ions. <i>Ceramics</i> , 2022 , 5, 13-23	1.7	2
224	Upcycling of boron bearing blast furnace slag as highly cost-effective shield for protection of neutron radiation hazard: An innovative way and proposal of shielding mechanism. <i>Journal of Cleaner Production</i> , 2022 , 131817	10.3	7
223	Isostatic Hot Pressed W/Cu Composites with Nanosized Grain Boundaries: Microstructure, Structure and Radiation Shielding Efficiency against Gamma Rays. <i>Nanomaterials</i> , 2022 , 12, 1642	5.4	1

222	Heterovalent substituted BaFe _{12-x} Sn _x O ₁₉ (0.1 ≤ x ≤ 1.2) M-type hexaferrite: Chemical composition, phase separation, magnetic properties and electrodynamic features. <i>Journal of Alloys and Compounds</i> , 2021 , 896, 163117	5.7	1
221	Electromagnetic Properties of Carbon Nanotube/BaFeGaO/Epoxy Composites with Random and Oriented Filler Distributions. <i>Nanomaterials</i> , 2021 , 11,	5.4	19
220	Changes in the Structure, Magnetization, and Resistivity of BaFe _{12-x} Ti _x O ₁₉ . <i>ACS Applied Electronic Materials</i> , 2021 , 3, 1583-1593	4	7
219	Impact of Al ³⁺ ions on magnetic and microwave properties of BaM:Ti hexaferrites. <i>Journal of Materials Research and Technology</i> , 2021 , 11, 2235-2245	5.5	2
218	Active control scattering manipulation for realization of switchable EIT-like response metamaterial. <i>Optics Communications</i> , 2021 , 483, 126664	2	6
217	Fabrication of exchange coupled hard/soft magnetic nanocomposites: Correlation between composition, magnetic, optical and microwave properties. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 102992	5.9	19
216	Structure and magnetic properties of FeCo nanotubes obtained in pores of ion track templates. <i>Nano Structures Nano Objects</i> , 2021 , 26, 100691	5.6	2
215	Influence of Dy Ions on the Microstructures and Magnetic, Electrical, and Microwave Properties of [NiCuZn](Fe Dy)O (0.00 ≤ x ≤ 0.04) Spinel Ferrites. <i>ACS Omega</i> , 2021 , 6, 10266-10280	3.9	12
214	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	5.6	16
213	Polysubstituted High-Entropy [LaNd](CrMnFeCoNi)O Perovskites: Correlation of the Electrical and Magnetic Properties. <i>Nanomaterials</i> , 2021 , 11,	5.4	10
212	MCC: Specific of preparation, correlation of the phase composition and electrodynamic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 526, 167694	2.8	2
211	Effect of Co content on magnetic features and SPIN states IN NiZn spinel ferrites. <i>Ceramics International</i> , 2021 , 47, 12163-12169	5.1	9
210	Temperature-Stable x(Na _{0.5} Bi _{0.5})MoO ₄ (1-x)MoO ₃ Composite Ceramics with Ultralow Sintering Temperatures and Low Dielectric Loss for Dielectric Resonator Antenna Applications. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2286-2296	4	7
209	Impact of the Zr-substitution on phase composition, structure, magnetic, and microwave properties of the BaM hexaferrite. <i>Ceramics International</i> , 2021 , 47, 16752-16761	5.1	4
208	Structure and magnetodielectric properties of titanium substituted barium hexaferrites. <i>Ceramics International</i> , 2021 , 47, 17293-17306	5.1	14
207	Electromagnetic properties of zincnickel ferrites in the frequency range of 0.05–10 GHz. <i>Materials Today Chemistry</i> , 2021 , 20, 100460	6.2	7
206	Correlation of the Fe content and entropy state in multiple substituted hexagonal ferrites with magnetoplumbite structure. <i>Ceramics International</i> , 2021 , 47, 17684-17692	5.1	3
205	Impact of the heat treatment conditions on crystal structure, morphology and magnetic properties evolution in BaM nano-hexaferrites. <i>Journal of Alloys and Compounds</i> , 2021 , 866, 158961	5.7	28

204	Structural features, magnetic and ferroelectric properties of SrFe _{10.8} In _{1.2} O ₁₉ compound. <i>Materials Research Bulletin</i> , 2021 , 138, 111236	5.1	23
203	Graphene Oxide Nanoparticles Modified Paper Electrode as a Biosensing Platform for Detection of the Gene of. <i>Sensors</i> , 2021 , 21,	3.8	9
202	A novel ceramic matrix composite based on YNbO ₄ /TiO ₂ for microwave applications. <i>Ceramics International</i> , 2021 , 47, 15424-15432	5.1	8
201	Anisotropy of the electrical properties of a single crystal of BaFe _{11.25} Ti _{0.75} O ₁₉ M-type barium hexaferrite. <i>Journal of Solid State Chemistry</i> , 2021 , 298, 122104	3.3	2
200	Experimental and Theoretical Study of Radiation Shielding Features of CaO-KO-NaO-PO Glass Systems. <i>Materials</i> , 2021 , 14,	3.5	30
199	Anomalous dielectric behaviour during the monoclinic to tetragonal phase transition in La(Nb _{0.9} V _{0.1})O ₄ . <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 156-163	6.8	13
198	Effect of titanium substitution and temperature variation on structure and magnetic state of barium hexaferrites. <i>Journal of Alloys and Compounds</i> , 2021 , 859, 158365	5.7	18
197	The effect of the applied potentials difference on the phase composition of Co nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 517, 167382	2.8	3
196	Can hexaferrite composites be used as a new artificial material for antenna applications?. <i>Ceramics International</i> , 2021 , 47, 2615-2623	5.1	10
195	The influence of the synthesis conditions on the magnetic behaviour of the densely packed arrays of Ni nanowires in porous anodic alumina membranes.. <i>RSC Advances</i> , 2021 , 11, 3952-3962	3.7	10
194	Features of the Cation Distribution and Magnetic Properties of BaFe ₁₂ YxO ₁₉ Hexaferrites. <i>Physics of the Solid State</i> , 2021 , 63, 253-260	0.8	3
193	Magnetic Properties of the Densely Packed Ultra-Long Ni Nanowires Encapsulated in Alumina Membrane. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
192	Correlation between chemical composition, electrical, magnetic and microwave properties in Dy-substituted Ni-Cu-Zn ferrites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 270, 115202	3.1	7
191	Structural and Magnetic Properties of CoNiGaGdFeO/ZnFeO Spinel Ferrite Nanocomposites: Comparative Study between Sol-Gel and Pulsed Laser Ablation in Liquid Approaches. <i>Nanomaterials</i> , 2021 , 11,	5.4	23
190	Electronic, magnetic, and microwave properties of hard/soft nanocomposites based on hexaferrite SrNi _{0.02} Zr _{0.02} Fe _{11.96} O ₁₉ with variable spinel phase MFe ₂ O ₄ (M = Mn, Co, Cu, and Zn). <i>Ceramics International</i> , 2021 , 47, 35209-35209	5.1	7
189	Electrocatalytic activity of various hexagonal ferrites in OER process. <i>Materials Chemistry and Physics</i> , 2021 , 270, 124818	4.4	8
188	Features of structure, magnetic state and electrodynamic performance of SrFeInO. <i>Scientific Reports</i> , 2021 , 11, 18342	4.9	18
187	Impact of the exfoliated graphite on magnetic and microwave properties of the hexaferrite-based composites. <i>Journal of Alloys and Compounds</i> , 2021 , 878, 160397	5.7	3

186	Facile synthesis of calcium magnesium zirconium phosphate adsorbents transformed into MZr ₄ P ₆ O ₂₄ (M: Ca, Mg) ceramic matrix for radionuclides immobilization. <i>Separation and Purification Technology</i> , 2021 , 272, 118912	8.3	4
185	Alterations in the magnetic and electrodynamic properties of hard-soft Sr _{0.5} Ba _{0.5} Eu _{0.01} Fe ₁₂ O ₁₉ /Ni _x Cu _y Zn _w Fe ₂ O ₄ nanocomposites. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 1416-1429	5.5	2
184	Electrical and dielectric properties of rare earth substituted hard-soft ferrite (Co _{0.5} Ni _{0.5} Ga _{0.01} Gd _{0.01} Fe _{1.98} O ₄) _x /(ZnFe ₂ O ₄) _y nanocomposites. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 969-983	5.5	5
183	Morphological, structural, and magnetic characterizations of hard-soft ferrite nanocomposites synthesized via pulsed laser ablation in liquid. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 273, 115446	3.1	2
182	Experimental and theoretical analysis of radiation shielding properties of strontium-borate-tellurite glasses. <i>Optical Materials</i> , 2021 , 121, 111589	3.3	6
181	The origin of the dual ferroic properties in quasi-centrosymmetrical SrFe ₁₂ □In _x O ₁₉ hexaferrites. <i>Journal of Alloys and Compounds</i> , 2021 , 886, 161249	5.7	10
180	Investigation on electrical and dielectric properties of hard/soft spinel ferrite nanocomposites of CoFe ₂ O ₄ /(NiSc _{0.03} Fe _{1.97} O ₄) _x . <i>Vacuum</i> , 2021 , 194, 110628	3.7	5
179	Electrodeposition conditions-dependent crystal structure, morphology and electronic properties of Bi films. <i>Journal of Alloys and Compounds</i> , 2021 , 887, 161451	5.7	6
178	Synthesis, Magnetic and Electrical Characteristics of Ba-Sr Hexaferrites Substituted with Samarium, Chromium and Aluminum. <i>ChemistrySelect</i> , 2021 , 6, 470-479	1.8	1
177	Ni substitution effect on the structure, magnetization, resistivity and permeability of zinc ferrites. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5425-5436	7.1	29
176	Insights into Sorption-Mineralization Mechanism for Sustainable Granular Composite of MgO-CaO-AlO-SiO-CO Based on Nanosized Adsorption Centers and Its Effect on Aqueous Cu(II) Removal. <i>Nanomaterials</i> , 2021 , 12,	5.4	2
175	Impact of Tm and Tb Rare Earth Cations Substitution on the Structure and Magnetic Parameters of Co-Ni Nanospinel Ferrite. <i>Nanomaterials</i> , 2020 , 10,	5.4	15
174	Developing the magnetic, dielectric and anticandidal characteristics of SrFe ₁₂ O ₁₉ /(Mg _{0.5} Cd _{0.5} Dy _{0.03} Fe _{1.97} O ₄) _x hard/soft ferrite nanocomposites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 113, 344-362	5.3	27
173	Functional SrBaSmFeO/(NiZnFeO) Hard-Soft Ferrite Nanocomposites: Structure, Magnetic and Microwave Properties. <i>Nanomaterials</i> , 2020 , 10,	5.4	26
172	Experimental investigation on thermodynamic properties and crystal structure of La _{0.78} Ba _{0.22} MnO ₃ compounds. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2050101	1.1	
171	Ultrahigh enhancement rate of the energy density of flexible polymer nanocomposites using core-shell BaTiO ₃ @MgO structures as the filler. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11124-11132	13	101
170	The Effect of Heat Treatment on the Microstructure and Mechanical Properties of 2D Nanostructured Au/NiFe System. <i>Nanomaterials</i> , 2020 , 10,	5.4	43
169	Ferrimagnetic-Paramagnetic Phase Transition in BaFe _{11.7} In _{0.3} O ₁₉ Compound. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020 , 33, 2867-2873	1.5	10

168	Correlation between entropy state, crystal structure, magnetic and electrical properties in M-type Ba-hexaferrites. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 4022-4028	6	20
167	Influence of Tm ³⁺ substitution on magnetic and optical properties of BaBr hexaferrites prepared by ultrasonic assisted citrate sol-gel approach. <i>Materials Chemistry and Physics</i> , 2020 , 253, 123324	4.4	21
166	Investigation of AC-Measurements of Epoxy/Ferrite Composites. <i>Nanomaterials</i> , 2020 , 10,	5.4	71
165	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. <i>Results in Physics</i> , 2020 , 17, 103061	3.7	40
164	Effect of magnetic fillers and their orientation on the electrodynamic properties of BaFe _{12-x} Ga _x O ₁₉ (x = 0.1, 0.2) epoxy composites with carbon nanotubes within GHz range. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 4747-4752	3.3	52
163	Electrochemical Behaviour of Ti/AlO/Ni Nanocomposite Material in Artificial Physiological Solution: Prospects for Biomedical Application. <i>Nanomaterials</i> , 2020 , 10,	5.4	45
162	Impact of Eu ³⁺ ion substitution on structural, magnetic and microwave traits of NiCuZn spinel ferrites. <i>Ceramics International</i> , 2020 , 46, 11124-11131	5.1	86
161	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	5.5	48
160	Phase transformations and changes in the dielectric properties of nanostructured perovskite-like LBZ composites as a result of thermal annealing. <i>Ceramics International</i> , 2020 , 46, 14460-14468	5.1	8
159	An ultra-broadband terahertz metamaterial coherent absorber using multilayer electric ring resonator structures based on anti-reflection coating. <i>Nanoscale</i> , 2020 , 12, 9769-9775	7.7	36
158	Peculiarities of the Crystal Structure Evolution of BiFeO-BaTiO Ceramics across Structural Phase Transitions. <i>Nanomaterials</i> , 2020 , 10,	5.4	26
157	Effect of Ga content on magnetic properties of BaFe _{12-x} Ga _x O ₁₉ /epoxy composites. <i>Journal of Materials Science</i> , 2020 , 55, 9385-9395	4.3	34
156	Influence of electrodeposition parameters on structure and micromechanical properties of thin NiFe films. <i>Proceedings of the National Academy of Sciences of Belarus Physical-Technical Series</i> , 2020 , 65, 135-144	0.2	
155	Influence of titanium substitution on structure, magnetic and electric properties of barium hexaferrites BaFe _{12-x} Ti _x O ₁₉ . <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 498, 166117	2.8	35
154	Crystal and magnetic structures, magnetic and ferroelectric properties of strontium ferrite partially substituted with in ions. <i>Journal of Alloys and Compounds</i> , 2020 , 821, 153412	5.7	63
153	Peculiarities of the magnetic structure and microwave properties in Ba(Fe _{1-x} Sc _x) ₁₂ O ₁₉ (x. <i>Journal of Alloys and Compounds</i> , 2020 , 822, 153575	5.7	69
152	Effect of treatment conditions on structure and magnetodielectric properties of barium hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 498, 166190	2.8	66
151	Effect of Nd-Y co-substitution on structural, magnetic, optical and microwave properties of NiCuZn nanospinel ferrites. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 11278-11290	5.5	14

150	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	6.3	47
149	Modeling of paths and energy losses of high-energy ions in single-layered and multilayered materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 848, 012089	0.4	27
148	Significantly enhanced electrostatic energy storage performance of P(VDF-HFP)/BaTiO ₃ -Bi(Li _{0.5} Nb _{0.5})O ₃ nanocomposites. <i>Nano Energy</i> , 2020 , 78, 105247	17.1	88
147	Microstructure, dielectric and microwave features of [Ni _{0.4} Cu _{0.2} Zn _{0.4}](Fe ₂ Tb) _{1-x} O ₄ (x=0.1) nanospinel ferrites. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 10608-10623	5.5	14
146	Early-Stage Growth Mechanism and Synthesis Conditions-Dependent Morphology of Nanocrystalline Bi Films Electrodeposited from Perchlorate Electrolyte. <i>Nanomaterials</i> , 2020 , 10,	5.4	37
145	Thermal Stability of Nano-Crystalline Nickel Electrodeposited into Porous Alumina. <i>Solid State Phenomena</i> , 2020 , 299, 281-286	0.4	20
144	Morphology and Microstructure Evolution of Gold Nanostructures in the Limited Volume Porous Matrices. <i>Sensors</i> , 2020 , 20,	3.8	6
143	Synthesis of barium ferrite nanoparticles using rhizome extract of Acorus Calamus: Characterization and its efficacy against different plant phytopathogenic fungi. <i>Nano Structures Nano Objects</i> , 2020 , 24, 100599	5.6	63
142	Structural and luminescent properties of BaFe _{12-2x} Al _x O ₁₉ compounds. <i>Modern Physics Letters B</i> , 2020 , 34, 2050411	1.6	2
141	Method of surface energy investigation by lateral AFM: application to control growth mechanism of nanostructured NiFe films. <i>Scientific Reports</i> , 2020 , 10, 14411	4.9	22
140	Peculiarities of the microwave properties of hard-soft functional composites SrTbTmFeO-AFeO (A = Co, Ni, Zn, Cu, or Mn).. <i>RSC Advances</i> , 2020 , 10, 32638-32651	3.7	64
139	Vibrational properties of BaFe _{11.1} Sc _{0.9} O ₁₉ hexaferrite at high and low temperatures. <i>Modern Physics Letters B</i> , 2020 , 34, 2050381	1.6	2
138	Highly efficient functional composites based on Al ₂ O ₃ for combined electromagnetic and mechanical protection. <i>Ceramics International</i> , 2020 , 46, 17584-17590	5.1	1
137	Synthesis, phase composition and structural and conductive properties of ferroelectric microparticles based on ATiO _x (A = Ba, Ca, Sr). <i>Ceramics International</i> , 2019 , 45, 17236-17242	5.1	23
136	Control of structural parameters and thermal conductivity of BeO ceramics using heavy ion irradiation and post-radiation annealing. <i>Ceramics International</i> , 2019 , 45, 15412-15416	5.1	19
135	Evolution of crystal structure of Ba and Ti co-doped BiFeO ₃ ceramics at the morphotropic phase boundary. <i>Journal of Alloys and Compounds</i> , 2019 , 803, 1136-1140	5.7	5
134	Refinement of the Atomic and Magnetic Structures of Solid Solutions BaFe _{12-2x} In _x O ₁₉ (x = 0.1-1.2) by the Neutron Diffraction Method. <i>Journal of Surface Investigation</i> , 2019 , 13, 69-81	0.5	5
133	Immobilization of boron-rich compound on Fe ₃ O ₄ nanoparticles: Stability and cytotoxicity. <i>Journal of Alloys and Compounds</i> , 2019 , 797, 573-581	5.7	81

132	Infrared Spectroscopy, X-ray Diffraction and Neutron Diffraction Study of BaFe _{12-x} Al _x O ₁₉ Solid Solutions. <i>Journal of the Korean Physical Society</i> , 2019 , 74, 584-588	0.6	6
131	Control of Growth Mechanism of Electrodeposited Nanocrystalline NiFe Films. <i>Journal of the Electrochemical Society</i> , 2019 , 166, D173-D180	3.9	74
130	Influence of charge disproportionation on microwave characteristics of Zn ²⁺ substituted Sr-hexaferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 6776-6785	2.1	2
129	Ni-Fe Alloys as Perspective Materials for Highly Efficient Magnetostatic Shielding. <i>Materials Science Forum</i> , 2019 , 946, 205-209	0.4	
128	Structure, Mössbauer and AC susceptibility of strontium nanohexaferrites: Effect of vanadium ions doping. <i>Ceramics International</i> , 2019 , 45, 11615-11624	5.1	14
127	Interface magnetoelectric effect in elastically linked Co/PZT/Co layered structures. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 485, 291-296	2.8	14
126	Extremely Polysubstituted Magnetic Material Based on Magnetoplumbite with a Hexagonal Structure: Synthesis, Structure, Properties, Prospects. <i>Nanomaterials</i> , 2019 , 9,	5.4	15
125	Fe ³⁺ Nanoparticles for Complex Targeted Delivery and Boron Neutron Capture Therapy. <i>Nanomaterials</i> , 2019 , 9,	5.4	82
124	Features of crystal and magnetic structure of the BaFe _{12-x} Ga _x O ₁₉ (x ≤ 2) in the wide temperature range. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 522-529	5.7	80
123	Preparation and investigation of the magnetoelectric properties in layered cermet structures. <i>Ceramics International</i> , 2019 , 45, 13030-13036	5.1	12
122	Correlation Between Composition and Electrodynamics Properties in Nanocomposites Based on Hard/Soft Ferrimagnetics with Strong Exchange Coupling. <i>Nanomaterials</i> , 2019 , 9,	5.4	105
121	Influence of Surface Energy on Ni-Fe Thin Films Formation Process. <i>Materials Science Forum</i> , 2019 , 946, 228-234	0.4	5
120	Structure and piezoelectric properties of Sm-doped BiFeO ₃ ceramics near the morphotropic phase boundary. <i>Materials Research Bulletin</i> , 2019 , 112, 420-425	5.1	8
119	The Conductivity and Dielectric Properties of Neobium Substituted Sr-Hexaferrites. <i>Nanomaterials</i> , 2019 , 9,	5.4	18
118	Tb ³⁺ ion substituted Sr-hexaferrites as high quality microwave absorbers. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 491, 165595	2.8	17
117	Development of tungsten doped Ni-Zn nano-ferrites with fast response and recovery time for hydrogen gas sensing application. <i>Results in Physics</i> , 2019 , 15, 102531	3.7	18
116	Magnetic Attributes of NiFeO Nanoparticles: Influence of Dysprosium Ions (Dy) Substitution. <i>Nanomaterials</i> , 2019 , 9,	5.4	44
115	Magnetic and microwave properties of carbonyl iron in the high frequency range. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 490, 165493	2.8	17

114	Formation and corrosion properties of Ni-based composite material in the anodic alumina porous matrix. <i>Journal of Alloys and Compounds</i> , 2019 , 804, 139-146	5.7	35
113	Features of the Growth Processes and Magnetic Domain Structure of NiFe Nano-objects. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26957-26964	3.8	72
112	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	5.7	76
111	Soft Magnetic Amorphous Microwires for Stress and Temperature Sensory Applications. <i>Sensors</i> , 2019 , 19,	3.8	7
110	Functional Magnetic Composites Based on Hexaferrites: Correlation of the Composition, Magnetic and High-Frequency Properties. <i>Nanomaterials</i> , 2019 , 9,	5.4	75
109	Function composites materials for shielding applications: Correlation between phase separation and attenuation properties. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 238-245	5.7	42
108	Structural, spectral, magnetic, and electrical properties of GdCo-co-substituted M-type CaBr hexaferrites synthesized by the ceramic method. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	4
107	Correlation of crystalline and magnetic structures of barium ferrites with dual ferroic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 477, 9-16	2.8	73
106	High-frequency absorption properties of gallium weakly doped barium hexaferrites. <i>Philosophical Magazine</i> , 2019 , 99, 585-605	1.6	7
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104	The effect of Nb substitution on magnetic properties of BaFe ₁₂ O ₁₉ nano-hexaferrites. <i>Ceramics International</i> , 2019 , 45, 1691-1697	5.1	67
103	Synthesis, structure and properties of barium and barium lead hexaferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 470, 101-104	2.8	4
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93	Polarization origin and iron positions in indium doped barium hexaferrites. <i>Ceramics International</i> , 2018 , 44, 290-300	5.1	101
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