

Sergey V Trukhanov

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ext. citations

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L-index

#	Paper	IF	Citations
285	Crystal structure and magnetic properties of the BaFe ₁₂ Al _x O ₁₉ (x=0.1-1.2) solid solutions. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 393, 253-259	2.8	130
284	Control of electromagnetic properties in substituted M-type hexagonal ferrites. <i>Journal of Alloys and Compounds</i> , 2018 , 754, 247-256	5.7	118
283	Magnetic and electrical properties of LBaMn ₂ O ₆ (L=Pr, Nd, Sm, Eu, Gd, Tb) manganites. <i>Physical Review B</i> , 2002 , 66,	3.3	116
282	Magnetic state of the structural separated anion-deficient La _{0.70} Sr _{0.30} MnO _{2.85} manganite. <i>Journal of Experimental and Theoretical Physics</i> , 2011 , 113, 819-825	1	110
281	Coexistence of spontaneous polarization and magnetization in substituted M-type hexaferrites BaFe ₁₂ Al _x O ₁₉ (x = 1.2) at room temperature. <i>JETP Letters</i> , 2016 , 103, 100-105	1.2	108
280	Crystal structure and magnetic properties of the BaFe ₁₂ Al _x O ₁₉ (x=0.1-1.2) solid solutions. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 417, 130-136	2.8	107
279	Critical behavior of La _{0.825} Sr _{0.175} MnO _{2.912} anion-deficient manganite in the magnetic phase transition region. <i>JETP Letters</i> , 2007 , 85, 507-512	1.2	107
278	Magnetic properties and Mössbauer study of gallium doped M-type barium hexaferrites. <i>Ceramics International</i> , 2017 , 43, 12822-12827	5.1	106
277	Investigation into the structural features and microwave absorption of doped barium hexaferrites. <i>Dalton Transactions</i> , 2017 , 46, 9010-9021	4.3	106
276	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
275	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
274	Polarization origin and iron positions in indium doped barium hexaferrites. <i>Ceramics International</i> , 2018 , 44, 290-300	5.1	101
273	Magnetic and magnetotransport properties of La _{1-x} BaxMnO _{3-x/2} perovskite manganites. <i>Journal of Materials Chemistry</i> , 2003 , 13, 347-352		98
272	Structure and magnetic properties of BaFe _{11.9} In _{0.1} O ₁₉ hexaferrite in a wide temperature range. <i>Journal of Alloys and Compounds</i> , 2016 , 689, 383-393	5.7	94
271	Preparation and investigation of structure, magnetic and dielectric properties of (BaFe _{11.9} Al _{0.1} O ₁₉) _{1-x} -(BaTiO ₃) _x bicomponent ceramics. <i>Ceramics International</i> , 2018 , 44, 21295-21302	5.1	93
270	Multiferroic properties and structural features of M-type Al-substituted barium hexaferrites. <i>Physics of the Solid State</i> , 2017 , 59, 737-745	0.8	91
269	Correlation of the atomic structure, magnetic properties and microwave characteristics in substituted hexagonal ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 462, 127-135	2.8	91

268	Thermal evolution of exchange interactions in lightly doped barium hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 426, 554-562	2.8	91
267	Correlation between microstructure parameters and anti-cancer activity of the $[\text{Mn}_{0.5}\text{Zn}_{0.5}](\text{Eu}_x\text{Nd}_x\text{Fe}_{2-2x})\text{O}_4$ nanoferrites produced by modified sol-gel and ultrasonic methods. <i>Ceramics International</i> , 2020 , 46, 7346-7354	5.1	91
266	Magnetic anisotropy of the graphite nanoplatelet/epoxy and MWCNT/epoxy composites with aligned barium ferrite filler. <i>Journal of Materials Science</i> , 2017 , 52, 5345-5358	4.3	90
265	Magnetic, dielectric and microwave properties of the $\text{BaFe}_{12-x}\text{GaxO}_{19}$ ($x \leq 1.2$) solid solutions at room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 442, 300-310	2.8	90
264	Temperature stable $\text{Li}_2\text{Ti}_{0.75}(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.25}\text{O}_3$ -based microwave dielectric ceramics with low sintering temperature and ultra-low dielectric loss for dielectric resonator antenna applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 4690-4700	7.1	90
263	Frustrated exchange interactions formation at low temperatures and high hydrostatic pressures in $\text{La}_{0.70}\text{Sr}_{0.30}\text{MnO}_{2.85}$. <i>Journal of Experimental and Theoretical Physics</i> , 2010 , 111, 209-214	1	90
262	Evolution of structure and magnetic properties for $\text{BaFe}_{11.9}\text{Al}_{0.1}\text{O}_{19}$ hexaferrite in a wide temperature range. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 426, 487-496	2.8	89
261	Significantly enhanced electrostatic energy storage performance of $\text{P}(\text{VDF-HFP})/\text{BaTiO}_3\text{-Bi}(\text{Li}_{0.5}\text{Nb}_{0.5})\text{O}_3$ nanocomposites. <i>Nano Energy</i> , 2020 , 78, 105247	17.1	88
260	Influence of oxygen vacancies on the magnetic and electrical properties of $\text{La}_{(1-x)}\text{Sr}_x\text{MnO}_{(3-x/2)}$ manganites. <i>European Physical Journal B</i> , 2004 , 42, 51-61	1.2	87
259	Structural, electric and magnetic properties of $(\text{BaFe}_{11.9}\text{Al}_{0.1}\text{O}_{19})_{1-x}(\text{BaTiO}_3)_x$ composites. <i>Composites Part B: Engineering</i> , 2019 , 174, 107054	10	86
258	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
257	Magnetic and dipole moments in indium doped barium hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 457, 83-96	2.8	86
256	Effect of gallium doping on electromagnetic properties of barium hexaferrite. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 111, 142-152	3.9	86
255	Critical influence of different diamagnetic ions on electromagnetic properties of $\text{BaFe}_{12}\text{O}_{19}$. <i>Ceramics International</i> , 2018 , 44, 13520-13529	5.1	84
254	Temperature evolution of the structure parameters and exchange interactions in $\text{BaFe}_{12-x}\text{In}_x\text{O}_{19}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 466, 393-405	2.8	84
253	Peculiarities of the magnetic state in the system $\text{La}_{0.70}\text{Sr}_{0.30}\text{MnO}_{3(0 \leq x \leq 0.25)}$. <i>Journal of Experimental and Theoretical Physics</i> , 2005 , 100, 95-105	1	84
252	Magnetic properties of anion deficit manganites $\text{Ln}_{0.55}\text{Ba}_{0.45}\text{MnO}_{3(0 \leq x \leq 0.37)}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 208, 217-220	2.8	84
251	Effect of the size factor on the magnetic properties of manganite $\text{La}_{0.50}\text{Ba}_{0.50}\text{MnO}_3$. <i>Physics of the Solid State</i> , 2008 , 50, 886-893	0.8	83

250	Comparative study of the magnetic and electrical properties of $\text{Pr}_{1-x}\text{Ba}_x\text{MnO}_3$ manganites depending on the preparation conditions. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 237, 276-282	2.8	83
249	Fe_3O_4 Nanoparticles for Complex Targeted Delivery and Boron Neutron Capture Therapy. <i>Nanomaterials</i> , 2019 , 9,	5.4	82
248	Features of crystal structure and dual ferroic properties of $\text{BaFe}_{12-x}\text{Me}_x\text{O}_{19}$ (Me= In^{3+} and Ga^{3+} ; $x = 0.1$ – 0.2). <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 464, 139-147	2.8	82
247	Immobilization of boron-rich compound on Fe_3O_4 nanoparticles: Stability and cytotoxicity. <i>Journal of Alloys and Compounds</i> , 2019 , 797, 573-581	5.7	81
246	Features of crystal and magnetic structure of the $\text{BaFe}_{12-x}\text{Ga}_x\text{O}_{19}$ ($x \geq 0$) in the wide temperature range. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 522-529	5.7	80
245	Magnetotransport Properties and Mechanism of the A-Site Ordering in the NdBa Optimal-Doped Manganites. <i>Journal of Low Temperature Physics</i> , 2007 , 149, 185-199	1.3	79
244	Thermal stability of A-site ordered $\text{PrBaMn}_2\text{O}_6$ manganites. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 675-681	3.9	79
243	Strong correlation between magnetic and electrical subsystems in diamagnetically substituted hexaferrites ceramics. <i>Ceramics International</i> , 2017 , 43, 5635-5641	5.1	78
242	Self-doped lanthanum manganites as a phase-separated system: Transformation of magnetic, resonance, and transport properties with doping and hydrostatic compression. <i>Journal of Applied Physics</i> , 2008 , 104, 093909	2.5	77
241	Investigation of stability of ordered manganites. <i>Journal of Experimental and Theoretical Physics</i> , 2005 , 101, 513-520	1	77
240	Electrophysical properties of epoxy-based composites with graphite nanoplatelets and magnetically aligned magnetite. <i>Molecular Crystals and Liquid Crystals</i> , 2018 , 661, 68-80	0.5	77
239	Evolution of structure and physical properties in Al-substituted Ba-hexaferrites. <i>Chinese Physics B</i> , 2016 , 25, 016102	1.2	76
238	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
237	Evolution of magnetic state in the $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x=0.30, 0.50$) manganites depending on the oxygen content. <i>Journal of Solid State Chemistry</i> , 2002 , 169, 85-95	3.3	75
236	Functional Magnetic Composites Based on Hexaferrites: Correlation of the Composition, Magnetic and High-Frequency Properties. <i>Nanomaterials</i> , 2019 , 9,	5.4	75
235	Control of Growth Mechanism of Electrodeposited Nanocrystalline NiFe Films. <i>Journal of the Electrochemical Society</i> , 2019 , 166, D173-D180	3.9	74
234	Anomalies in Ni-Fe nanogranular films growth. <i>Journal of Alloys and Compounds</i> , 2018 , 748, 970-978	5.7	74
233	Magnetic properties of $\text{La}_{0.70}\text{Sr}_{0.30}\text{MnO}_{2.85}$ anion-deficient manganite under hydrostatic pressure. <i>JETP Letters</i> , 2006 , 83, 33-36	1.2	74

232	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
231	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
230	Influence of the dysprosium ions on structure, magnetic characteristics and origin of the reflection losses in the NiCo spinels. <i>Journal of Alloys and Compounds</i> , 2020 , 841, 155667	5.7	71
229	Investigation of AC-Measurements of Epoxy/Ferrite Composites. <i>Nanomaterials</i> , 2020 , 10,	5.4	71
228	Effectiveness of the magnetostatic shielding by the cylindrical shells. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 398, 49-53	2.8	70
227	Investigation of the crystal and magnetic structures of BaFe _{12-x} Al _x O ₁₉ solid solutions (x = 0.1-1.2). <i>Crystallography Reports</i> , 2015 , 60, 629-635	0.6	70
226	Electrochemical deposition regimes and critical influence of organic additives on the structure of Bi films. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1943-1948	5.7	70
225	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
224	Electromagnetic properties of BaFe ₁₂ O ₁₉ :Ti at centimeter wavelengths. <i>Journal of Alloys and Compounds</i> , 2018 , 755, 177-183	5.7	68
223	The effect of Nb substitution on magnetic properties of BaFe ₁₂ O ₁₉ nanohexaferrites. <i>Ceramics International</i> , 2019 , 45, 1691-1697	5.1	67
222	Study of A-site ordered PrBaMn ₂ O ₆ manganite properties depending on the treatment conditions. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 6495-6506	1.8	66
221	Effect of oxygen content on the magnetic and transport properties of Pr _{0.5} Ba _{0.5} MnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2000 , 12, L155-L158	1.8	66
220	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
219	Study of the crystalline and magnetic structures of BaFe _{11.4} Al _{0.6} O ₁₉ in a wide temperature range. <i>Journal of Surface Investigation</i> , 2015 , 9, 17-23	0.5	65
218	AC and DC-shielding properties for the Ni ₈₀ Fe ₂₀ /Cu film structures. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 443, 142-148	2.8	65
217	Crystal structure and magnetic properties of Ba-ordered manganites Ln _{0.70} Ba _{0.30} MnO ₃ (Ln = Pr, Nd). <i>Journal of Experimental and Theoretical Physics</i> , 2006 , 103, 398-410	1	65
216	Phase separation and size effects in Pr _{0.70} Ba _{0.30} MnO ₃ perovskite manganites. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 266214	1.8	64
215	The influence of oxygen deficiency on the magnetic and electric properties of La _{0.70} Ba _{0.30} MnO ₃ (0.30) manganite with a perovskite structure. <i>Journal of Experimental and Theoretical Physics</i> , 2002 , 95, 308-315	1	64

214	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
213	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
212	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
211	Manganese/Yttrium Codoped Strontium Nanoheaxaferrites: Evaluation of Magnetic Susceptibility and Mossbauer Spectra. <i>Nanomaterials</i> , 2018 , 9,	5.4	63
210	Magnetic phase diagrams of the manganites Ln _{1-x} BaxMnO ₃ (Ln = Nd, Sm). <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 8707-8717	1.8	61
209	Magnetic and absorbing properties of M-type substituted hexaferrites BaFe ₁₂ □ Ga x O ₁₉ (0.1 Journal of Experimental and Theoretical Physics, 2016 , 123, 461-469	1	59
208	Magnetic phase transitions in the anion-deficient La _{1-x} BaxMnO ₃ □ ₂ (0 ≤ x ≤ 0.50) manganites. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 1783-1795	1.8	56
207	Effect of magnetic fields on magnetic phase separation in anion-deficient manganite La _{0.70} Sr _{0.30} MnO _{2.85} . <i>Low Temperature Physics</i> , 2011 , 37, 465-469	0.7	55
206	Correlation of the synthesis conditions and microstructure for Bi-based electron shields production. <i>Journal of Alloys and Compounds</i> , 2018 , 749, 1036-1042	5.7	53
205	Measurement of permittivity and permeability of barium hexaferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 465, 290-294	2.8	53
204	Effect of magnetic fillers and their orientation on the electrodynamic properties of BaFe _{12-x} GaxO ₁₉ (x = 0.1□.2)□ epoxy composites with carbon nanotubes within GHz range. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 4747-4752	3.3	52
203	Influence of Nd-NbZn co-substitution on structural, spectral and magnetic properties of M-type calcium-strontium hexaferrites Ca _{0.4} Sr _{0.6-x} NdxFe _{12.0-x} (Nb _{0.5} Zn _{0.5})xO ₁₉ . <i>Journal of Alloys and Compounds</i> , 2018 , 765, 616-623	5.7	51
202	Magnetic and microwave properties of SrFe ₁₂ O ₁₉ /MCe _{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
201	Strong correlation between Dy ³⁺ concentration, structure, magnetic and microwave properties of the [Ni _{0.5} Co _{0.5}](DyxFe _{2-x})O ₄ nanosized ferrites. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 90, 251-259	6.3	47
200	Electrochemical Behaviour of Ti/AlO/Ni Nanocomposite Material in Artificial Physiological Solution: Prospects for Biomedical Application. <i>Nanomaterials</i> , 2020 , 10,	5.4	45
199	Magnetic Attributes of NiFeO Nanoparticles: Influence of Dysprosium Ions (Dy) Substitution. <i>Nanomaterials</i> , 2019 , 9,	5.4	44
198	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
197	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

196	Effect of the Synthesis Conditions and Microstructure for Highly Effective Electron Shields Production Based on Bi Coatings. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1695-1702	6.1	41
195	Structure, spectral analysis and microwave dielectric properties of novel $x(\text{NaBi})_{0.5}\text{MoO}_4-(1-x)\text{Bi}_2/3\text{MoO}_4$ ($x = 0.2 \sim 0.8$) ceramics with low sintering temperatures. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 3569-3576	6	41
194	Investigation of structural and physical properties of Eu^{3+} ions substituted $\text{Ni}_{0.4}\text{Cu}_{0.2}\text{Zn}_{0.4}\text{Fe}_2\text{O}_4$ spinel ferrite nanoparticles prepared via sonochemical approach. <i>Results in Physics</i> , 2020 , 17, 103061	3.7	40
193	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
192	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
191	Synthesis and structure of nanocrystalline $\text{La}_{0.50}\text{Ba}_{0.50}\text{MnO}_3$. <i>Crystallography Reports</i> , 2008 , 53, 1177-1180	1.8	36
190	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
189	Influence of titanium substitution on structure, magnetic and electric properties of barium hexaferrites $\text{BaFe}_{12}\text{TixO}_{19}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 498, 166117	2.8	35
188	Effect of Ga content on magnetic properties of $\text{BaFe}_{12}\text{GaxO}_{19}$ /epoxy composites. <i>Journal of Materials Science</i> , 2020 , 55, 9385-9395	4.3	34
187	High hydrostatic pressure effect on magnetic state of anion-deficient $\text{La}_{0.70}\text{Sr}_{0.30}\text{MnO}_x$ perovskite manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e88-e91	2.8	31
186	Investigation of structural, hysteresis and electromagnetic parameters for microwave absorption application in doped BaBr hexagonal ferrites at X-band. <i>Journal of Alloys and Compounds</i> , 2019 , 806, 1220-1229	5.7	29
185	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
184	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
183	Developing the magnetic, dielectric and anticandidal characteristics of $\text{SrFe}_{12}\text{O}_{19}/(\text{Mg}_{0.5}\text{Cd}_{0.5}\text{Dy}_{0.03}\text{Fe}_{1.97}\text{O}_4)_x$ hard/soft ferrite nanocomposites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 113, 344-362	5.3	27
182	Functional $\text{SrBaSmFeO}/(\text{NiZnFeO})$ Hard-Soft Ferrite Nanocomposites: Structure, Magnetic and Microwave Properties. <i>Nanomaterials</i> , 2020 , 10,	5.4	26
181	Peculiarities of the Crystal Structure Evolution of $\text{BiFeO}-\text{BaTiO}$ Ceramics across Structural Phase Transitions. <i>Nanomaterials</i> , 2020 , 10,	5.4	26
180	Cation ordering and magnetic properties of neodymium-barium manganites. <i>Technical Physics</i> , 2008 , 53, 49-54	0.5	24
179	Synthesis, phase composition and structural and conductive properties of ferroelectric microparticles based on ATiO_x ($A = \text{Ba, Ca, Sr}$). <i>Ceramics International</i> , 2019 , 45, 17236-17242	5.1	23

178	Magnetic properties of anion-deficient $\text{La}_{1-x}\text{Ba}_x\text{MnO}_{3-x/2}$ ($0 \leq x \leq 0.30$) manganites. <i>Journal of Experimental and Theoretical Physics</i> , 2003 , 96, 110-117	1	23
177	Phase transitions in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_{3-x/2}$ manganites. <i>Journal of Experimental and Theoretical Physics</i> , 2001 , 93, 161-167	1	23
176	Structural features, magnetic and ferroelectric properties of $\text{SrFe}_{10.8}\text{In}_{1.2}\text{O}_{19}$ compound. <i>Materials Research Bulletin</i> , 2021 , 138, 111236	5.1	23
175	Structural and Magnetic Properties of $\text{CoNiGaGdFeO}/\text{ZnFeO}$ Spinel Ferrite Nanocomposites: Comparative Study between Sol-Gel and Pulsed Laser Ablation in Liquid Approaches. <i>Nanomaterials</i> , 2021 , 11,	5.4	23
174	High Entropy Oxide Phases with Perovskite Structure. <i>Nanomaterials</i> , 2020 , 10,	5.4	22
173	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
172	Features of crystal and magnetic structures of solid solutions $\text{BaFe}_{12-x}\text{D}_x\text{O}_{19}$ ($\text{D}=\text{Al}^{3+}, \text{In}^{3+}; x=0.1$) in a wide temperature range. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	22
171	Influence of Tm^{3+} substitution on magnetic and optical properties of Ba^{2+} hexaferrites prepared by ultrasonic assisted citrate sol-gel approach. <i>Materials Chemistry and Physics</i> , 2020 , 253, 123324	4.4	21
170	Magnetic and electrical properties of $(\text{FeIn}_2\text{S}_4)_{1-x}(\text{CuIn}_5\text{S}_8)_x$ solid solutions. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 379, 22-27	2.8	20
169	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
168	Thermal Stability of Nano-Crystalline Nickel Electrodeposited into Porous Alumina. <i>Solid State Phenomena</i> , 2020 , 299, 281-286	0.4	20
167	Development of doped Ba^{2+} hexagonal ferrites for microwave absorber applications: Structural characterization, tunable thickness, absorption peaks and electromagnetic parameters. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157242	5.7	20
166	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
165	Effect of oxygen content on magnetization and magnetoresistance properties of CMR manganites. <i>Low Temperature Physics</i> , 2001 , 27, 283-287	0.7	19
164	Electromagnetic Properties of Carbon Nanotube/ BaFeGaO /Epoxy Composites with Random and Oriented Filler Distributions. <i>Nanomaterials</i> , 2021 , 11,	5.4	19
163	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
162	Crystal structure, magnetic properties, and raman spectra of solid solutions $\text{BaFe}_{12-x}\text{Al}_x\text{O}_{19}$. <i>Physics of the Solid State</i> , 2016 , 58, 992-996	0.8	19
161	Exploration of crystal structure, magnetic and dielectric properties of titanium-barium hexaferrites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 272, 115345	3.1	19

160	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
159	Structure and thermal properties of BaFe _{11.1} In _{0.9} O ₁₉ hexaferrite. <i>Physica B: Condensed Matter</i> , 2020 , 580, 411772	2.8	18
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157	Features of structure, magnetic state and electrodynamic performance of SrFeInO. <i>Scientific Reports</i> , 2021 , 11, 18342	4.9	18
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