

Alexei A Belik

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.

268 papers	7,071 citations	43 h-index	72 g-index
333 ext. papers	7,779 ext. citations	4.8 avg, IF	5.93 L-index

#	Paper	IF	Citations
268	Comments on the paper Effect of holmium (Ho) partial substitution in structure and ferroelectric properties of bismuth ferrites (BFO) by S.G. Nair et al.. <i>Journal of Alloys and Compounds</i> , 2022 , 903, 163873	5.7	3
267	Multiple magnetic transitions and complex magnetic behaviour of the perovskite manganite NdMn ₇ O ₁₂ . <i>Journal of Solid State Chemistry</i> , 2022 , 309, 122969	3.3	0
266	Solid Solutions between PbVO and BiCoO. <i>Inorganic Chemistry</i> , 2021 , 60, 4957-4965	5.1	0
265	Competing electronic instabilities in the quadruple perovskite manganite PbMn ₇ O ₁₂ . <i>Physical Review B</i> , 2021 , 103,	3.3	1
264	KTb(MoO) Green Phosphor with K-Ion Conductivity: Derived from Different Synthesis Routes. <i>Inorganic Chemistry</i> , 2021 , 60, 9471-9483	5.1	3
263	Magnetic properties and ferrimagnetic structures of Mn self-doped perovskite solid solutions (Ho _{1-x} Mnx)MnO ₃ . <i>Journal of Alloys and Compounds</i> , 2021 , 857, 158230	5.7	1
262	Ferrimagnetic and relaxor ferroelectric properties of R ₂ MnMn(MnTi ₃)O ₁₂ perovskites with R = Nd, Eu, and Gd. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 947-956	7.1	3
261	A plethora of structural transitions, distortions and modulations in Cu-doped BiMn ₇ O ₁₂ quadruple perovskites. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10232-10242	7.1	1
260	Local Structure and Magnetic Hyperfine Interactions of ⁵⁷ Fe Probe Nuclei in TlCr _{0.95} Fe _{0.05} O ₃ . <i>Journal of Experimental and Theoretical Physics</i> , 2021 , 133, 49-58	1	0
259	The rich physics of A-site-ordered quadruple perovskite manganites AMnO. <i>Dalton Transactions</i> , 2021 , 50, 15458-15472	4.3	2
258	Enhanced magnetization of the highest-TC ferrimagnetic oxide Sr ₂ CrOsO ₆ . <i>Physical Review B</i> , 2020 , 102,	3.3	5
257	Fe ⁵⁷ Mössbauer spectroscopy study of cycloidal spin arrangements and magnetic transitions in BiFe _{1-x} CoxO ₃ . <i>Physical Review B</i> , 2020 , 101,	3.3	3
256	High-Pressure Synthesis, Crystal Structures, and Properties of A-Site Columnar-Ordered Quadruple Perovskites NaRMnTiO with R = Sm, Eu, Gd, Dy, Ho, Y. <i>Inorganic Chemistry</i> , 2020 , 59, 9065-9076	5.1	4
255	Spontaneous Rotation of Ferrimagnetism Driven by Antiferromagnetic Spin Canting. <i>Physical Review Letters</i> , 2020 , 124, 127201	7.4	5
254	Origin of negative magnetization phenomena in (Tm _{1-x} Mnx)MnO ₃ : A neutron diffraction study. <i>Physical Review B</i> , 2020 , 101,	3.3	2
253	Study of Polycrystalline Bulk SrOsO Double-Perovskite Insulator: Comparison with 1000 K Ferromagnetic Epitaxial Films. <i>Inorganic Chemistry</i> , 2020 , 59, 4049-4057	5.1	5
252	SrIn(VO) as a model ferroelectric in the structural family of ECa(PO)-type phosphates and vanadates.. <i>RSC Advances</i> , 2020 , 10, 10867-10872	3.7	2

251	High-pressure synthesis, crystal structures, and magnetic and dielectric properties of GdFeO ₃ -type perovskites (Dy _{0.5} Mn _{0.5})(Mn _{1-x} Ti _x)O ₃ with x = 0.5 and 0.75. <i>Journal of Alloys and Compounds</i> , 2020 , 825, 154019	5.7	4
250	Modulated Magnetic Structures in BaFeO ₄ (R = Y and Dy): Magnetic and ⁵⁷ Fe Mössbauer Investigations. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13374-13384	3.8	2
249	Structural stability of CuAlO under pressure. <i>Journal of Physics Condensed Matter</i> , 2020 , 33, 035403	1.8	1
248	A-site-ordered quadruple perovskite manganite CeMn ₇ O ₁₂ with trivalent cations. <i>Journal of Solid State Chemistry</i> , 2020 , 283, 121161	3.3	4
247	Emergent helical texture of electric dipoles. <i>Science</i> , 2020 , 369, 680-684	33.3	16
246	Emergence of a Magnetostructural Dipolar Glass in the Quadruple Perovskite Dy _{1-x} Ti _x Mn ₇ O ₁₂ . <i>Physical Review Letters</i> , 2020 , 125, 097601	7.4	2
245	Pressure-induced incommensurate antiferromagnetic order in a ferromagnetic B-site ordered double-perovskite Lu ₂ NiMnO ₆ . <i>Physical Review B</i> , 2020 , 102,	3.3	2
244	The influence of second coordination-sphere interactions on the luminescent properties of ECa ₃ (PO ₄) ₂ -related compounds. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152352	5.7	14
243	61Ni Nuclear Forward Scattering Study of Magnetic Hyperfine Interactions in Double Perovskites A ₂ NiMnO ₆ (A = Sc, In, Tl). <i>Journal of Physical Chemistry C</i> , 2019 , 123, 23628-23634	3.8	3
242	Synthesis, structure, and magnetic and dielectric properties of magnetoelectric BaDyFeO ₄ ferrite. <i>Journal of Alloys and Compounds</i> , 2019 , 811, 151963	5.7	2
241	Changes in the Magnetic Structure of Multiferroic BiFe _{0.80} Cr _{0.20} O ₃ with Temperature. <i>Physics of the Solid State</i> , 2019 , 61, 1030-1036	0.8	3
240	Changes in spin and lattice dynamics induced by magnetic and structural phase transitions in multiferroic SrMn ₇ O ₁₂ . <i>Physical Review B</i> , 2019 , 99,	3.3	2
239	Molecular magnetic thin films made from Ni-Co Prussian blue analogue anchored on silicon wafers. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 486, 165276	2.8	5
238	Colossal magnetoresistance in the insulating ferromagnetic double perovskites Tl ₂ NiMnO ₆ : A neutron diffraction study. <i>Acta Materialia</i> , 2019 , 173, 20-26	8.4	8
237	Crystal structure and magnetic properties of A-site-ordered quadruple perovskite CeCu ₃ Cr ₄ O ₁₂ . <i>Journal of Alloys and Compounds</i> , 2019 , 793, 42-48	5.7	5
236	Crystal structures of cation non-stoichiometric RMn ₃ O ₆ (R = Gd, Er, and Tm) manganites belonging to A-site columnar-ordered quadruple perovskite family. <i>Journal of Solid State Chemistry</i> , 2019 , 275, 43-48	2.3	3
235	Magnetic structure and spin-flop transition in the A-site columnar-ordered quadruple perovskite TmMn ₃ O ₆ . <i>Physical Review B</i> , 2019 , 99,	3.3	9
234	Barium-induced effects on structure and properties of ECa ₃ (PO ₄) ₂ -type Ca ₉ Bi(VO ₄) ₇ . <i>Journal of Alloys and Compounds</i> , 2019 , 793, 56-64	5.7	3

- 233 High-pressure synthesis, crystal structure, and magnetic properties of hexagonal Ba₃CuOs₂O₉. *Journal of Solid State Chemistry*, **2019**, 272, 182-188 3:3 3
- 232 Crystal structure, dielectric, and optical properties of calcium orthophosphates heavily doped with ytterbium. *Journal of Alloys and Compounds*, **2019**, 787, 1301-1309 5:7 10
- 231 Valence Variations by B-Site Doping in A-Site Columnar-Ordered Quadruple Perovskites SmMnMn(MnTi)₃O with 1/3x. *Inorganic Chemistry*, **2019**, 58, 3492-3501 5:1 9
- 230 Electronic Structure of Cobaltites ScCo_{1-x}Fe_xO₃ (x = 0, 0.05) and BiCoO₃: X-Ray Photoelectron Spectroscopy. *Journal of Experimental and Theoretical Physics*, **2019**, 128, 899-908 1 4
- 229 Spin-Glass Magnetic Properties of A-Site Columnar-Ordered Quadruple Perovskites YMnGa(MnGa)O with 0.25. *Inorganic Chemistry*, **2019**, 58, 14830-14841 5:1 2
- 228 Isovalent and aliovalent cation substitutions in the anion sublattice of whitlockite-type ferroelectrics Ca₉RE(VO₄)₇ with RE = Y and Yb. *Journal of Solid State Chemistry*, **2019**, 279, 120966 3:3 4
- 227 Electric Hyperfine Interactions of ⁵⁷Fe Impurity Atoms in ACrO₃ Perovskite-Type Chromites (A = Sc, In, Tl, Bi). *Journal of Experimental and Theoretical Physics*, **2019**, 129, 896-902 1 3
- 226 Displacive structural phase transitions and the magnetic ground state of quadruple perovskite YMn₇O₁₂. *Physical Review B*, **2019**, 99, 3:3 7
- 225 Spin Dynamics of Two-Dimensional Triangular-Lattice Antiferromagnet 3R-AgFeO₂. *Applied Magnetic Resonance*, **2019**, 50, 637-648 0.8 1
- 224 Influence of magnesium on dielectric properties of Ca_{9-x}Mg_xBi(VO₄)₇ ceramics. *Journal of the American Ceramic Society*, **2018**, 101, 4011-4022 3:8 5
- 223 Mn Self-Doping of Orthorhombic RMnO Perovskites: (RMn)₂MnO with R = Er-Lu. *Inorganic Chemistry*, **2018**, 57, 2773-2781 5:1 12
- 222 Charge and orbital orders and structural instability in high-pressure quadruple perovskite CeCuMnO. *Journal of Physics Condensed Matter*, **2018**, 30, 074003 1.8 2
- 221 Rise of A-site columnar-ordered AA'A''BO quadruple perovskites with intrinsic triple order. *Dalton Transactions*, **2018**, 47, 3209-3217 4:3 27
- 220 High-Pressure Synthesis, Structures, and Properties of Trivalent A-Site-Ordered Quadruple Perovskites RMnO (R = Sm, Eu, Gd, and Tb). *Inorganic Chemistry*, **2018**, 57, 5987-5998 5:1 15
- 219 Luminescence, structure and antiferroelectric-type phase transition in Ca₈ZnEu(PO₄)₇. *Materials Research Bulletin*, **2018**, 104, 20-26 5:1 17
- 218 Magnetic Hyperfine Interactions in the Mixed-Valence Compound Fe₇(PO₄)₆ from Mössbauer Experiments. *Journal of Physical Chemistry C*, **2018**, 122, 19767-19776 3:8 1
- 217 Hyperfine Interactions of ⁵⁷Fe Nuclei in ScCo_{1-x}Fe_xO₃ (x = 0.05, 0.4) Substituted Cobaltites. *Journal of Experimental and Theoretical Physics*, **2018**, 126, 514-522 1 2
- 216 High-Pressure Synthesis, Crystal Structure, and Semimetallic Properties of HgPbO. *Inorganic Chemistry*, **2018**, 57, 7601-7609 5:1 1

215	Enhanced nonlinear optical activity and Ca ²⁺ -conductivity in Bi _{0.5} -Pb (VO ₄) ₇ ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1826-1837	5.7	11
214	Crystal and Magnetic Structures and Properties of (LuMn) ₂ MnO Solid Solutions. <i>Inorganic Chemistry</i> , 2018 , 57, 14073-14085	5.1	13
213	Probe Mössbauer Spectroscopy of BiNi _{0.9657} Fe _{0.0403} . <i>Inorganic Materials</i> , 2018 , 54, 990-997	0.9	1
212	Magnetic structures of the rare-earth quadruple perovskite manganites RMn ₇ O ₁₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	15
211	Intrinsic Triple Order in A-site Columnar-Ordered Quadruple Perovskites: Proof of Concept. <i>ChemPhysChem</i> , 2018 , 19, 2449-2452	3.2	11
210	Unusual magnetic structure of the high-pressure synthesized perovskites ACrO ₃ (A=Sc, In, Tl). <i>Physical Review B</i> , 2017 , 95,	3.3	11
209	Five-Fold Ordering in High-Pressure Perovskites RMnO (R = Gd-Tm and Y). <i>Inorganic Chemistry</i> , 2017 , 56, 5210-5218	5.1	21
208	A layered wide-gap oxyhalide semiconductor with an infinite ZnO square planar sheet: SrZnOCl. <i>Chemical Communications</i> , 2017 , 53, 3826-3829	5.8	9
207	Fe Mössbauer study of unusual magnetic structure of multiferroic 3R-AgFeO. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 275803	1.8	17
206	Mössbauer studies of spatial spin-modulated structure and hyperfine interactions in multiferroic Bi ₅₇ Fe _{0.10} Fe _{0.85} Cr _{0.05} O ₃ . <i>Physics of the Solid State</i> , 2017 , 59, 443-449	0.8	2
205	Antiferroelectric properties and site occupations of R ³⁺ cations in Ca ₈ MgR(PO ₄) ₇ luminescent host materials. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 928-937	5.7	28
204	Tuning of nonlinear optical and ferroelectric properties via the cationic composition of Ca _{9.5} Bi _x Cd _{1.5-x} (VO ₄) ₇ solid solutions. <i>Materials and Design</i> , 2017 , 116, 515-523	8.1	21
203	Complex Structural Behavior of BiMnO Quadruple Perovskite. <i>Inorganic Chemistry</i> , 2017 , 56, 12272-12281	5.1	16
202	Mössbauer studies of multiferroics BiFe _{1-x} Cr _x O ₃ (x = 0.0-0.20). <i>Physics of the Solid State</i> , 2017 , 59, 1558-1564	0.8	5
201	Magneto-orbital ordering in the divalent A-site quadruple perovskite manganites AMn ₇ O ₁₂ (A=Sr, Cd, and Pb). <i>Physical Review B</i> , 2017 , 96,	3.3	17
200	Electrically insulating properties of the 5d double perovskite Sr ₂ YO ₆ . <i>Journal of Applied Physics</i> , 2017 , 122, 103905	2.5	
199	Reentrant Structural Transitions and Collapse of Charge and Orbital Orders in Quadruple Perovskites. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10423-10427	16.4	16
198	Reentrant Structural Transitions and Collapse of Charge and Orbital Orders in Quadruple Perovskites. <i>Angewandte Chemie</i> , 2017 , 129, 10559-10563	3.6	

197	Structural, magnetic, and dielectric properties of solid solutions between BiMnO ₃ and YMnO ₃ . <i>Journal of Solid State Chemistry</i> , 2017 , 246, 8-15	3.3	9
196	Differentiation between ferroelectricity and thermally stimulated current in pyrocurrent measurements of multiferroic MMn ₇ O ₁₂ (M=Ca, Sr, Cd, Pb). <i>Physical Review B</i> , 2016 , 93,	3.3	43
195	Solid Solutions between BiMnO and BiCrO. <i>Inorganic Chemistry</i> , 2016 , 55, 12348-12356	5.1	7
194	Local crystal structure of multiferroic BiMnO ₃ studied by ⁵⁷ Fe probe Mössbauer spectroscopy. <i>Inorganic Materials</i> , 2016 , 52, 499-503	0.9	2
193	Low-Temperature Structural Modulations in CdMn ₇ O ₁₂ , CaMn ₇ O ₁₂ , SrMn ₇ O ₁₂ , and PbMn ₇ O ₁₂ Perovskites Studied by Synchrotron X-ray Powder Diffraction and Mössbauer Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 8278-8288	3.8	29
192	Structural changes in Sr ₉ In(PO ₄) ₇ during antiferroelectric phase transition. <i>Inorganic Materials</i> , 2016 , 52, 176-185	0.9	5
191	LiNbO ₃ -Type Oxide (Tl(1-x)Sc(x))ScO ₃ : High-Pressure Synthesis, Crystal Structure, and Electronic Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 1940-5	5.1	5
190	Unusual lattice evolution and magnetochemistry of Nb doped CeO ₂ . <i>Acta Materialia</i> , 2016 , 113, 116-1238.4		16
189	Spin-Driven Multiferroic Properties of PbMn ₇ O ₁₂ Perovskite. <i>Inorganic Chemistry</i> , 2016 , 55, 6169-77	5.1	17
188	Cyano-Bridged Trimetallic Coordination Polymer Nanoparticles and Their Thermal Decomposition into Nanoporous Spinel Ferromagnetic Oxides. <i>Chemistry - A European Journal</i> , 2016 , 22, 15042-15048	4.8	8
187	High-pressure synthesis, crystal structure and magnetic properties of TlCrO ₃ perovskite. <i>Dalton Transactions</i> , 2015 , 44, 10785-94	4.3	13
186	Sc ₂ NiMnO ₆ : A Double-Perovskite with a Magnetodielectric Response Driven by Multiple Magnetic Orders. <i>Inorganic Chemistry</i> , 2015 , 54, 8012-21	5.1	30
185	Magnetic properties of solid solutions between BiCrO and BiGaO with perovskite structures. <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 026003	7.1	10
184	Ferroelectricity induced by ferriaxial crystal rotation and spin helicity in a B-site-ordered double-perovskite multiferroic In ₂ NiMnO ₆ . <i>Physical Review B</i> , 2015 , 91,	3.3	13
183	Magnetic ordering and ferroelectricity in multiferroic 2H ₂ AgFeO ₂ : Comparison between hexagonal and rhombohedral polytypes. <i>Physical Review B</i> , 2015 , 91,	3.3	13
182	A novel red Ca _{8.5} Pb _{0.5} Eu(PO ₄) ₇ phosphor for light emitting diodes application. <i>Journal of Alloys and Compounds</i> , 2015 , 647, 965-972	5.7	29
181	High-pressure synthesis, crystal structures, and properties of CdMn ₇ O ₁₂ and SrMn ₇ O ₁₂ perovskites. <i>Inorganic Chemistry</i> , 2015 , 54, 9081-91	5.1	34
180	Magnetic excitations in an S=12 diamond-shaped tetramer compound Cu ₂ PO ₄ OH. <i>Physical Review B</i> , 2015 , 92,	3.3	4

179	Prussian Blue Derived Nanoporous Iron Oxides as Anticancer Drug Carriers for Magnetic-Guided Chemotherapy. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1457-62	4.5	52
178	The manifestation of spin-phonon coupling in CaMnO ₃ . <i>Journal of Applied Physics</i> , 2015 , 117, 164103	2.5	9
177	Structure and cation distribution in perovskites with small cations at the A site: the case of ScCoO ₃ . <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 024801	7.1	9
176	High-pressure synthesis, crystal chemistry and physics of perovskites with small cations at the A site. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 163201	1.8	36
175	⁵⁷ Fe Mössbauer study of new multiferroic AgFeO ₂ . <i>Hyperfine Interactions</i> , 2014 , 226, 41-50	0.8	11
174	Structural polymorphism in multiferroic BiMnO ₃ at high pressures and temperatures. <i>Journal of Alloys and Compounds</i> , 2014 , 585, 741-747	5.7	19
173	Colossal positive and negative thermal expansion and thermosalient effect in a pentamorphic organometallic martensite. <i>Nature Communications</i> , 2014 , 5, 4811	17.4	132
172	Strong spin-phonon coupling in infrared and Raman spectra of SrMnO ₃ . <i>Physical Review B</i> , 2014 , 89,	3.3	37
171	Negative Exchange Bias in Polycrystalline Hexagonal ScMnO ₃ , InMnO ₃ , YMnO ₃ , 4H-SrMnO ₃ , and 6H-SrMnO ₃ and Perovskite YMnO ₃ : Effects of Impurities. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 074703	1.5	5
170	Absence of Metallic Conductivity in Tetragonal and Cubic PbVO ₃ at High Pressure. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 074711	1.5	14
169	Bi ₃ Cr ₂ .91O ₁₁ : a ferromagnetic insulator from Cr(4+)/Cr(5+) mixing. <i>Inorganic Chemistry</i> , 2014 , 53, 8362-6	5.1	6
168	Perovskite-structure TlMnO ₃ a new manganite with new properties. <i>Inorganic Chemistry</i> , 2014 , 53, 9800-8	5.1	13
167	Direct synthesis of MOF-derived nanoporous carbon with magnetic Co nanoparticles toward efficient water treatment. <i>Small</i> , 2014 , 10, 2096-107	11	505
166	Anomalous thermal expansion in orthorhombic perovskite SrIrO ₃ : Interplay between spin-orbit coupling and the crystal lattice. <i>Physical Review B</i> , 2014 , 89,	3.3	26
165	Mössbauer investigations of hyperfine interactions features of ⁵⁷ Fe nuclei in BiFeO ₃ ferrite 2014 ,		20
164	Single-crystal-like nanoporous spinel oxides: a strategy for synthesis of nanoporous metal oxides utilizing metal-cyanide hybrid coordination polymers. <i>Chemistry - A European Journal</i> , 2014 , 20, 17375-84	4.8	35
163	High-pressure synthesis, crystal structure, and magnetic properties of KSbO-type 5 oxides KOsO and BiOsO. <i>Science and Technology of Advanced Materials</i> , 2014 , 15, 064901	7.1	8
162	Spatially modulated magnetic structure of AgFeO ₂ : Mössbauer study on ⁵⁷ Fe nuclei. <i>JETP Letters</i> , 2014 , 98, 544-550	1.2	7

161	Dysnomia, a computer program for maximum-entropy method (MEM) analysis and its performance in the MEM-based pattern fitting. <i>Powder Diffraction</i> , 2013 , 28, 184-193	1.8	178
160	Crystal structure and properties of high-pressure-synthesized BiRhO ₃ , LuRhO ₃ , and NdRhO ₃ . <i>Journal of Solid State Chemistry</i> , 2013 , 200, 271-278	3.3	12
159	High-pressure synthesis of 5d cubic perovskite BaOsO ₃ at 17 GPa: ferromagnetic evolution over 3d to 5d series. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16507-16	16.4	45
158	Fresh look at the mystery of magnetization reversal in YVO ₃ . <i>Inorganic Chemistry</i> , 2013 , 52, 8529-39	5.1	18
157	High-pressure synthesis, crystal structures, and properties of ScRhO ₃ and InRhO ₃ perovskites. <i>Inorganic Chemistry</i> , 2013 , 52, 12005-11	5.1	14
156	High-pressure synthesis, crystal structure, and properties of In ₂ NiMnO ₆ with antiferromagnetic order and field-induced phase transition. <i>Inorganic Chemistry</i> , 2013 , 52, 14108-15	5.1	23
155	Origin of magnetization reversal and exchange bias phenomena in solid solutions of BiFeO ₃ -BiMnO ₃ : intrinsic or extrinsic?. <i>Inorganic Chemistry</i> , 2013 , 52, 2015-21	5.1	34
154	Synthesis, structural and physical properties of ScMn ₂ O ₄ . <i>Solid State Communications</i> , 2013 , 153, 71-75	1.6	2
153	Tailored design of multiple nanoarchitectures in metal-cyanide hybrid coordination polymers. <i>Journal of the American Chemical Society</i> , 2013 , 135, 384-91	16.4	199
152	Nanosession: Multiferroics - High Transition Temperatures 2013 , 347-355		
151	Synthesis of Superparamagnetic Nanoporous Iron Oxide Particles with Hollow Interiors by Using Prussian Blue Coordination Polymers. <i>Chemistry of Materials</i> , 2012 , 24, 2698-2707	9.6	152
150	Polar and nonpolar phases of BiMO ₃ : A review. <i>Journal of Solid State Chemistry</i> , 2012 , 195, 32-40	3.3	118
149	Magnetic and electrical properties of antiperovskite Mn ₃ InN synthesized by a high-pressure method. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 032094	0.3	6
148	Comment on [Impedance spectroscopy study and ground state electronic properties of In(Mg _{1/2} Ti _{1/2})O ₃ (Physica B 406 (2011) 1081-1087)] and related works. <i>Physica B: Condensed Matter</i> , 2012 , 407, 3683-3685	2.8	1
147	Crystal Structures and Properties of Perovskites ScCrO ₃ and InCrO ₃ with Small Ions at the A Site. <i>Chemistry of Materials</i> , 2012 , 24, 2197-2203	9.6	29
146	High-pressure synthesis, crystal structure, and electromagnetic properties of CdRh ₂ O ₄ : an analogous oxide of the postspinel mineral MgAl ₂ O ₄ . <i>Inorganic Chemistry</i> , 2012 , 51, 6868-75	5.1	15
145	Antiferrodistortive phase transition in EuTiO ₃ . <i>Physical Review B</i> , 2012 , 86,	3.3	81
144	Magnetic hyperfine interactions of ⁵⁷ Fe in ScFeO ₃ 2012 ,		3

143	Band-gap engineering in TiO ₂ -based ternary oxides. <i>Physical Review B</i> , 2012 , 85,	3.3	14
142	BiGaO ₃ -Based Perovskites: A Large Family of Polar Materials. <i>Chemistry of Materials</i> , 2012 , 24, 3056-3064.	4.6	45
141	High-pressure synthesis, crystal structure, and properties of BiPd ₂ O ₄ with Pd ²⁺ and Pd ⁴⁺ ordering and PbPd ₂ O ₄ . <i>Inorganic Chemistry</i> , 2012 , 51, 7650-6	5.1	8
140	Absence of ferroelectricity in BiMnO ₃ ceramics. <i>Journal of Applied Physics</i> , 2012 , 112, 074112	2.5	31
139	Observation of persistent centrosymmetry in the hexagonal manganite family. <i>Physical Review B</i> , 2012 , 85,	3.3	50
138	Resistive switching phenomenon driven by antiferromagnetic phase separation in an antiperovskite nitride Mn ₃ ZnN. <i>Applied Physics Letters</i> , 2012 , 100, 161907	3.4	22
137	Continuous critical temperature enhancement with gradual hydrogen doping in LaFeAsO _{0.85} H _x (x=0--0.85). <i>Physical Review B</i> , 2012 , 86,	3.3	3
136	Essential difference between scatterings by Zn and Pt on superconductivity of BaFe _{1.92} Pt _{0.08} As ₂ single crystal. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022138	0.3	
135	Structural evolution and properties of solid solutions of hexagonal InMnO ₃ and InGaO ₃ . <i>Inorganic Chemistry</i> , 2011 , 50, 3559-66	5.1	23
134	Frustration-driven magnetic order in hexagonal InMnO ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	13
133	Crystal structure and magnetic properties of 6H-SrMnO ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	45
132	Structure and Magnetic Properties of BiFe _{0.75} Mn _{0.25} O ₃ Perovskite Prepared at Ambient and High Pressure. <i>Chemistry of Materials</i> , 2011 , 23, 4505-4514	9.6	66
131	Low-temperature structural phase transition in synthetic libethenite Cu ₂ PO ₄ OH. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 3128-3133	3.3	16
130	Local distortions in multiferroic BiMnO as a function of doping. <i>Science and Technology of Advanced Materials</i> , 2011 , 12, 044610	7.1	8
129	Sophisticated crystal transformation of a coordination polymer into mesoporous monocrystalline Ti-Fe-based oxide with room-temperature ferromagnetic behavior. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 3195-9	4.5	17
128	Antipolar phase in multiferroic BiFeO ₃ at high pressure. <i>Physical Review B</i> , 2011 , 84,	3.3	46
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