

Dmitry D Khalyavin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5613937/dmitry-d-khalyavin-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

232
papers

4,453
citations

33
h-index

57
g-index

257
ext. papers

5,136
ext. citations

4.2
avg, IF

5.28
L-index

#	Paper	IF	Citations
232	A ferroelectric-like structural transition in a metal. <i>Nature Materials</i> , 2013 , 12, 1024-7	27	264
231	Giant improper ferroelectricity in the ferroaxial magnet CaMn ₇ O ₁₂ . <i>Physical Review Letters</i> , 2012 , 108, 067201	7.4	203
230	Phase Transitions in the Gd _{0.5} Ba _{0.5} CoO ₃ Perovskite. <i>Physical Review Letters</i> , 1998 , 80, 3380-3383	7.4	176
229	Phase diagram of Ba _{1-x} K _x Fe ₂ As ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	140
228	Magnetically driven suppression of nematic order in an iron-based superconductor. <i>Nature Communications</i> , 2014 , 5, 3845	17.4	133
227	Long-range magnetic order in CeRu ₂ Al ₁₀ studied via muon spin relaxation and neutron diffraction. <i>Physical Review B</i> , 2010 , 82,	3.3	129
226	Magnetic and electrical transport properties of orthocobaltites R _{0.5} Ba _{0.5} CoO ₃ (R=La, Pr, Nd, Sm, Eu, Gd, Tb, Dy). <i>Physical Review B</i> , 1998 , 58, 2418-2421	3.3	112
225	Tetragonal phase of epitaxial room-temperature antiferromagnet CuMnAs. <i>Nature Communications</i> , 2013 , 4, 2322	17.4	105
224	Crystal Structure of Metastable Perovskite Bi(Mg _{1/2} Ti _{1/2})O ₃ : Bi-Based Structural Analogue of Antiferroelectric PbZrO ₃ . <i>Chemistry of Materials</i> , 2006 , 18, 5104-5110	9.6	105
223	Magnetic properties of anion deficit manganites Ln _{0.55} Ba _{0.45} MnO ₃ (Ln=La, Nd, Sm, Gd, 0.37). <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 208, 217-220	2.8	84
222	Spin-state ordering and magnetic structures in the cobaltites YBaCo ₂ O _{5+δ} (δ=0.50 and 0.44). <i>Physical Review B</i> , 2007 , 75,	3.3	82
221	Ammonia-rich high-temperature superconducting intercalates of iron selenide revealed through time-resolved in situ X-ray and neutron diffraction. <i>Journal of the American Chemical Society</i> , 2014 , 136, 630-3	16.4	79
220	Magnetoelastic coupling in the phase diagram of Ba _{1-x} K _x Fe ₂ As ₂ as seen via neutron diffraction. <i>Physical Review B</i> , 2011 , 83,	3.3	74
219	Anisotropic magnetic, magnetoresistance, and electrotransport properties of GdBaCo ₂ O _{5.5} single crystals. <i>Physical Review B</i> , 2003 , 67,	3.3	72
218	Magnetic and magnetotransport properties of Co-doped manganites with perovskite structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 210, 63-72	2.8	72
217	Magnetic phase diagrams of the manganites Ln _{1-x} Ba _x MnO ₃ (Ln = Nd, Sm). <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 8707-8717	1.8	61
216	Coupling of magnetic order to planar Bi electrons in the anisotropic Dirac metals AMnBi ₂ (A = Sr, Ca). <i>Physical Review B</i> , 2014 , 90,	3.3	60

215	Electrical and magnetic properties of YBaCo ₄ O ₇ + δ . <i>Materials Chemistry and Physics</i> , 2005 , 92, 33-38	4.4	60
214	Structural, magnetic, and superconducting properties of Ba _{1-x} NaxFe ₂ As ₂ . <i>Physical Review B</i> , 2013 , 88,	3.3	57
213	Field-tunable spin-density-wave phases in δ -Sr ₃ Ru ₂ O ₇ . <i>Nature Materials</i> , 2015 , 14, 373-8	27	54
212	Antiferromagnetic structure in tetragonal CuMnAs thin films. <i>Scientific Reports</i> , 2015 , 5, 17079	4.9	48
211	Spiral-spin-driven ferroelectricity in a multiferroic delafossite AgFeO ₂ . <i>Physical Review Letters</i> , 2012 , 109, 097203	7.4	47
210	Synthesis and dielectric properties of tungsten-based complex perovskites. <i>Journal of Materials Research</i> , 2003 , 18, 2600-2607	2.5	47
209	Tetragonal magnetic phase in Ba _{1-x} KxFe ₂ As ₂ from x-ray and neutron diffraction. <i>Physical Review B</i> , 2015 , 92,	3.3	44
208	Polar and antipolar polymorphs of metastable perovskite BiFe _{0.5} Sc _{0.5} O ₃ . <i>Physical Review B</i> , 2014 , 89,	3.3	42
207	Magnetic ground state of LBaCo ₂ O _{5.5} δ .44 cobalt oxides. <i>Physical Review B</i> , 2005 , 72,	3.3	41
206	Magnetic phase diagrams of the Ln(Mn _{1-x} Cox)O ₃ (Ln=Eu, Nd, Y) systems. <i>Journal of Applied Physics</i> , 2000 , 88, 360-367	2.5	40
205	Antiferromagnetism at T>500K in the layered hexagonal ruthenate SrRu ₂ O ₆ . <i>Physical Review B</i> , 2015 , 92,	3.3	38
204	Theory of high-temperature multiferroicity in cupric oxide. <i>Physical Review Letters</i> , 2011 , 106, 257601	7.4	38
203	Structural behavior of the kagome antiferromagnet TmBaCo ₄ O ₇ : Neutron diffraction study and group-theoretical consideration. <i>Physical Review B</i> , 2009 , 80,	3.3	37
202	Structure Sequence in the CaTiO ₃ -BaAlO ₃ Microwave Ceramics Revised. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1721-1723	3.8	36
201	Electric and antiferromagnetic chiral textures at multiferroic domain walls. <i>Nature Materials</i> , 2020 , 19, 386-390	27	36
200	Magnetic and neutron diffraction study of La _{2/3} Ba _{1/3} MnO ₃ perovskite manganite. <i>Physical Review B</i> , 2003 , 68,	3.3	34
199	Spin-ordering and magnetoelastic coupling in the extended kagome system YBaCo ₄ O ₇ . <i>Physical Review B</i> , 2011 , 83,	3.3	33
198	Pressure-induced polar phases in multiferroic delafossite CuFeO ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	32

197	Two-dimensional charge disproportionation of the unusual high valence state Fe(4+) in a layered double perovskite. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7468-73	16.4	32
196	Change of magnetic ground state by light electron doping in CeOs ₂ Al ₁₀ . <i>Physical Review B</i> , 2013 , 88,	3.3	32
195	Emergent topological spin structures in the centrosymmetric cubic perovskite SrFeO ₃ . <i>Physical Review B</i> , 2020 , 101,	3.3	31
194	Anisotropy-Tuned Magnetic Order in Pyrochlore Iridates. <i>Physical Review Letters</i> , 2015 , 114, 247202	7.4	31
193	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
192	Highly Frustrated magnetism in SrHo ₂ O ₄ : Coexistence of two types of short-range order. <i>Physical Review B</i> , 2013 , 88,	3.3	30
191	Spontaneous toroidal moment and field-induced magnetotoroidic effects in Ba ₂ CoGe ₂ O ₇ . <i>Physical Review B</i> , 2011 , 84,	3.3	30
190	Magnetic and crystal structure phase transitions in R _{1-x} Ba _x CoO _{3-y} (R = Nd, Gd). <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 2485-2493	1.8	28
189	Magnetic and transport properties of some insulating manganites. <i>Physical Review B</i> , 1998 , 58, 2422-2425	3.3	28
188	Spin-induced multiferroicity in the binary perovskite manganite MnO. <i>Nature Communications</i> , 2018 , 9, 2996	17.4	27
187	Magnetic and structural phase transitions in some orthocobaltites doped by Ba or Sr ions. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 6381-6389	1.8	27
186	Complex room-temperature ferrimagnetism induced by zigzag stripes of oxygen vacancies in Sr ₃ YCo ₄ O _{10+δ} . <i>Physical Review B</i> , 2011 , 83,	3.3	26
185	Magnetodielectric detection of magnetic quadrupole order in Ba(TiO)Cu(PO) with CuO square cupolas. <i>Nature Communications</i> , 2016 , 7, 13039	17.4	25
184	Symmetry of reentrant tetragonal phase in Ba _{1-x} NaxFe ₂ As ₂ : Magnetic versus orbital ordering mechanism. <i>Physical Review B</i> , 2014 , 90,	3.3	25
183	Spin correlations in the geometrically frustrated RBaCo ₄ O ₇ antiferromagnets: Mean-field approach and Monte Carlo simulations. <i>Physical Review B</i> , 2010 , 82,	3.3	25
182	Magnetic order in the frustrated Ising-like chain compound Sr ₃ NiIrO ₆ . <i>Physical Review B</i> , 2014 , 90,	3.3	24
181	Modulated spin helicity stabilized by incommensurate orbital density waves in a quadruple perovskite manganite. <i>Physical Review B</i> , 2016 , 93,	3.3	22
180	Ferro-type order of magneto-electric quadrupoles as an order-parameter for the pseudo-gap phase of a cuprate superconductor. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 292201	1.8	21

179	Luttinger liquid behavior in the alternating spin-chain system copper nitrate. <i>Physical Review B</i> , 2015 , 91,	3.3	20
178	Bulk superconductivity at 84 K in the strongly overdoped regime of cuprates. <i>Physical Review B</i> , 2016 , 94,	3.3	20
177	Linear and nonlinear critical magnetic properties and transport in Nd _{0.75} Ba _{0.25} MnO ₃ single crystal: evidence for its anomalous critical behavior near TC. <i>Solid State Communications</i> , 2004 , 130, 803-808	1.6	20
176	Magnetic structure of TbBaCo ₂ O _{5.4} perovskite. <i>Journal of Materials Research</i> , 2002 , 17, 838-843	2.5	20
175	High-temperature characterization of oxygen-deficient K ₂ NiF ₄ -type Nd _{2-x} Sr _x NiO ₄ (x = 1.0-1.6) for potential SOFC/SOEC applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23852-23863	13	19
174	Magnetic ordering with reduced cerium moments in hole-doped CeO ₂ Al ₁₀ . <i>Physical Review B</i> , 2014 , 89,	3.3	19
173	Magnetic frustration, short-range correlations and the role of the paramagnetic Fermi surface of PdCrO ₂ . <i>Scientific Reports</i> , 2015 , 5, 12428	4.9	18
172	Magnetic ordering in pressure-induced phases with giant spin-driven ferroelectricity in multiferroic TbMnO ₃ . <i>Physical Review B</i> , 2016 , 93,	3.3	18
171	Low-temperature behavior of YBaCo ₂ O _{5.5} : Coexistence of two spin-state ordered phases. <i>Physical Review B</i> , 2008 , 77,	3.3	18
170	Structure-dependent microwave dielectric properties of (1-x)La(Mg _{1-x} Ti _x)O ₃ -xLa ₂ TiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2005 , 98, 034101	2.5	18
169	Complex antipolar 2x2 structure with Pnma symmetry in BiFeO ₃ and BiFe _{1/2} Sc _{1/2} O ₃ : First-principles calculations. <i>Physical Review B</i> , 2014 , 90,	3.3	17
168	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
167	Neutron diffraction, magnetization, and ESR studies of pseudocubic Nd _{0.75} Ba _{0.25} MnO ₃ and its critical behavior above TC. <i>Physical Review B</i> , 2005 , 72,	3.3	17
166	Effect of iron doping on the properties of TbBaCo ₂ O _{5.5} layered perovskite. <i>Journal of Applied Physics</i> , 2003 , 93, 479-486	2.5	17
165	Magnetic states and the crystal volume of Nd _{2/3} Ca _{1/3} MnO ₃ : analysis of phase transformations. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 293, 787-792	2.8	17
164	Temperature-induced phase transition from cycloidal to collinear antiferromagnetism in multiferroic Bi _{0.9} Sm _{0.1} FeO ₃ driven by field induced magnetic anisotropy. <i>Physical Review B</i> , 2017 , 95,	3.3	16
163	Magnetic and ferroelectric orderings in multiferroic NaFeO ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	16
162	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

161	High pressure synthesis and study of magnetic and transport properties of Pb-substituted manganites with perovskite structure. <i>Materials Research Bulletin</i> , 1997 , 32, 1637-1642	5.1	16
160	Emergent helical texture of electric dipoles. <i>Science</i> , 2020 , 369, 680-684	33.3	16
159	Vesignieite: An S=1/2 Kagome Antiferromagnet with Dominant Third-Neighbor Exchange. <i>Physical Review Letters</i> , 2018 , 121, 107203	7.4	16
158	BR and neutron diffraction investigations on the reentrant ferromagnetic superconductor Eu(Fe _{0.86} Ir _{0.14}) ₂ As ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	15
157	Antisymmetric exchange in La-substituted BiFe _{0.5} Sc _{0.5} O ₃ system: symmetry adapted distortion modes approach. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2015 , 230, 767-774	1	15
156	Evidence for a three-dimensional quantum spin liquid in PbCuTeO. <i>Nature Communications</i> , 2020 , 11, 2348	17.4	15
155	High-Pressure Synthesis, Structures, and Properties of Trivalent A-Site-Ordered Quadruple Perovskites RMnO (R = Sm, Eu, Gd, and Tb). <i>Inorganic Chemistry</i> , 2018 , 57, 5987-5998	5.1	15
154	Magnetic structures of the rare-earth quadruple perovskite manganites RMn ₇ O ₁₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	15
153	First-order multi-k phase transitions and magnetoelectric effects in multiferroic Co ₃ TeO ₆ . <i>Physical Review B</i> , 2012 , 85,	3.3	14
152	Field-induced long-range magnetic order in the spin-singlet ground-state system YbAl ₃ C ₃ : Neutron diffraction study. <i>Physical Review B</i> , 2013 , 87,	3.3	14
151	Effect of Y-doping on the magnetic and charge orderings in Nd _{2/3} Ca _{1/3} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 316-320	2.8	14
150	Magnetic symmetries in neutron and resonant x-ray Bragg diffraction patterns of four iridium oxides. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 496003	1.8	14
149	Neutron powder diffraction study of TbBaCo _{2-x} FexO _{5+δ} layered oxides. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 2068-2072	3.3	14
148	Effect of Oxygen Content and Oxygen Vacancy Ordering on the Properties of TbBaCo ₂ O ₆ Perovskites. <i>Physica Status Solidi (B): Basic Research</i> , 1999 , 215, 697-701	1.3	14
147	Phase formation in the (1-y)BiFeO ₃ -yBiScO ₃ system under ambient and high pressure. <i>Journal of Solid State Chemistry</i> , 2017 , 247, 90-96	3.3	13
146	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
145	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
144	Strange magnetic multipoles and neutron diffraction by an iridate perovskite (Sr ₂ IrO ₄). <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 322201	1.8	13

143	Symmetry-protected hidden order and magnetic neutron Bragg diffraction by URu ₂ Si ₂ . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 046003	1.8	13
142	Structure refinement, far infrared spectroscopy, and dielectric characterization of (1-x)La(Mg _{1-x} Ti _x)O ₃ -xLa ₂ TiO ₃ solid solutions. <i>Journal of Applied Physics</i> , 2006 , 99, 094104	2.5	13
141	Effect of oxygen content on the magnetic state of La _{0.5} Ca _{0.5} MnO ₃ perovskites. <i>JETP Letters</i> , 1999 , 70, 590-594	1.2	13
140	Symmetry-determined antiferroelectricity in PbZrO ₃ , NaNbO ₃ , and PbHfO ₃ . <i>Physical Review B</i> , 2019 , 99,	3.3	13
139	Evolution of spin correlations in SrDy ₂ O ₄ in an applied magnetic field. <i>Physical Review B</i> , 2017 , 95,	3.3	12
138	Magnetic structure of an incommensurate phase of La-doped BiFe _{0.5} Sc _{0.5} O ₃ : Role of antisymmetric exchange interactions. <i>Physical Review B</i> , 2015 , 92,	3.3	12
137	Phase transformations in perovskites TbBaCo _{2-x} FexO ₅ + δ . <i>Journal of Experimental and Theoretical Physics</i> , 2002 , 95, 748-752	1	12
136	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
135	Anomalous change of the magnetic moment direction by hole doping in CeRu ₂ Al ₁₀ . <i>Physical Review B</i> , 2014 , 90,	3.3	11
134	Kinetic control of structural and magnetic states in LuBaCo ₄ O ₇ . <i>Physical Review B</i> , 2012 , 85,	3.3	11
133	Low-temperature structural and dielectric phenomena in La _{1/3} NbO ₃ and La _{1/3} TaO ₃ : Comparative study. <i>Applied Physics Letters</i> , 2008 , 93, 162903	3.4	11
132	Intrinsic Triple Order in A-site Columnar-Ordered Quadruple Perovskites: Proof of Concept. <i>ChemPhysChem</i> , 2018 , 19, 2449-2452	3.2	11
131	Uncertainty of oxygen content in highly nonstoichiometric oxides from neutron diffraction data: example of perovskite-type Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3456-3463	1.3	10
130	The phenomenon of conversion polymorphism in Bi-containing metastable perovskites. <i>Chemical Communications</i> , 2019 , 55, 4683-4686	5.8	10
129	The p(O)-T stability domain of cubic perovskite BaSrCoFeO. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 4442-4454	3.6	10
128	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
127	Valence Variations by B-Site Doping in A-Site Columnar-Ordered Quadruple Perovskites SmMnMn(MnTi) ₃ O with 1-x. <i>Inorganic Chemistry</i> , 2019 , 58, 3492-3501	5.1	9
126	Long-range antiferromagnetic interactions in Ni-Co-Mn-Ga metamagnetic Heusler alloys: A two-step ordering studied by neutron diffraction. <i>Physical Review B</i> , 2016 , 94,	3.3	9

125	A novel compact three-dimensional laser-sintered collimator for neutron scattering. <i>Review of Scientific Instruments</i> , 2015 , 86, 095114	1.7	9
124	Structure and dielectric characterization of a new A-site deficient La _{5/3} MgTaO ₆ perovskite. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 41-48	3.3	9
123	Neutron diffraction and the electronic properties of BaFe ₂ Se ₃ . <i>Physica Scripta</i> , 2016 , 91, 015803	2.6	9
122	G-type antiferromagnetic order in the metallic oxide LaCu ₃ Cr ₄ O ₁₂ . <i>Physical Review B</i> , 2017 , 95,	3.3	8
121	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
120	Ordered state of magnetic charge in the pseudo-gap phase of a cuprate superconductor (HgBa ₂ CuO(4+)). <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 495601	1.8	8
119	The Biaxial Strain Dependence of Magnetic Order in Spin Frustrated Mn ₃ NiN Thin Films. <i>Advanced Functional Materials</i> , 2019 , 29, 1902502	15.6	8
118	Contrasting effect of La substitution on the magnetic moment direction in the Kondo semiconductors CeT ₂ Al ₁₀ (T=Ru,Os). <i>Physical Review B</i> , 2015 , 92,	3.3	8
117	Magnetotransport properties of flux melt grown single crystals of Co-substituted manganites with perovskite structure. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 925-936	1.8	8
116	Crystal structure of Sr ₂ MgWO ₆ and Ba ₂ SrWO ₆ determined by powder X-ray diffraction. <i>Powder Diffraction</i> , 2004 , 19, 280-283	1.8	8
115	Evolution of Magneto-Orbital order Upon B-Site Electron Doping in Na _{1-x} Ca _x Mn ₇ O ₁₂ Quadruple Perovskite Manganites. <i>Physical Review Letters</i> , 2018 , 120, 257202	7.4	7
114	Possible chiral spin-liquid phase in noncentrosymmetric RBaCo ₄ O ₇ . <i>Physical Review B</i> , 2012 , 85,	3.3	7
113	Structure evolution in the La ₂ MgTiO ₆ Ba ₂ MgWO ₆ system. <i>Materials Research Bulletin</i> , 2006 , 41, 167-176	5.1	7
112	The nonlinear magnetic properties of the pseudocubic Nd _{0.77} Ba _{0.23} MnO ₃ single crystal in the critical paramagnetic region and phase separation. <i>Journal of Experimental and Theoretical Physics</i> , 2002 , 94, 581-592	1	7
111	Phase Relations in the Systems Ln _{1-x} Ba _x CoO ₃ . <i>Inorganic Materials</i> , 2003 , 39, 1092-1096	0.9	7
110	Crystal structure of La ₄ Mg ₃ W ₃ O ₁₈ layered oxide. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 2585-2595	3.5	7
109	Displacive structural phase transitions and the magnetic ground state of quadruple perovskite YMn ₇ O ₁₂ . <i>Physical Review B</i> , 2019 , 99,	3.3	7
108	Understanding the magnetism in noncentrosymmetric CeIrGe ₃ : Muon spin relaxation and neutron scattering studies. <i>Physical Review B</i> , 2018 , 97,	3.3	7

107	Magneto-orbital texture in the perovskite modification of Mn ₂ O ₃ . <i>Physical Review B</i> , 2018 , 98,	3.3	6
106	Determination of the crystal and magnetic structure of the DyCrO ₄ -scheelite polymorph by neutron diffraction. <i>Journal of Physics: Conference Series</i> , 2014 , 549, 012021	0.3	6
105	Incommensurate magnetic order in a quasicubic structure of the double-perovskite compound Sr ₂ NiIrO ₆ . <i>Physical Review B</i> , 2017 , 95,	3.3	6
104	MnTeO: a Distorted Inverse Trirutile Structure. <i>Inorganic Chemistry</i> , 2017 , 56, 9742-9753	5.1	6
103	Ferroelectricity and lattice distortion associated with spin orderings in a multiferroic delafossite AgFeO ₂ . <i>EPJ Web of Conferences</i> , 2013 , 40, 15008	0.3	6
102	Synthesis and Characterization of Ln _{1-x} Cd _x MnO ₃ (Ln = La, Nd) Perovskites. <i>Physica Status Solidi A</i> , 1997 , 164, 821-825		6
101	Singularities of magnetic and elastic characteristics of La _{2/3} Ba _{1/3} MnO ₃ : Analysis of martensitic kinetics. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 308, 278-283	2.8	6
100	Phase stratification in the Nd _{1-x} Ba _x CoO ₃ (0.3 ≤ x ≤ 0.54) system. <i>Journal of Experimental and Theoretical Physics</i> , 2001 , 93, 805-808	1	6
99	Direct Observation of Anapoles by Neutron Diffraction. <i>Physical Review Letters</i> , 2019 , 122, 047203	7.4	5
98	Spontaneous Rotation of Ferrimagnetism Driven by Antiferromagnetic Spin Canting. <i>Physical Review Letters</i> , 2020 , 124, 127201	7.4	5
97	Incommensurate spin-density-wave antiferromagnetism in CeRu ₂ Al ₂ B. <i>Physical Review B</i> , 2016 , 93,	3.3	5
96	Phase diagram of multiferroic KCu ₃ As ₂ O ₇ (OD) ₃ . <i>Physical Review B</i> , 2017 , 95,	3.3	5
95	Magnetic excitations from the two-dimensional interpenetrating Cu framework in Ba ₂ Cu ₃ O ₄ Cl ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	5
94	Operational performance characteristics of the WISH detector array on the ISIS spallation neutron source. <i>Journal of Instrumentation</i> , 2014 , 9, C12008-C12008	1	5
93	High-pressure cell for neutron diffraction with in situ pressure control at cryogenic temperatures. <i>Review of Scientific Instruments</i> , 2014 , 85, 043904	1.7	5
92	Impedance spectroscopy of dielectric properties of perovskite ceramics Bi(Mg _{1/2} Ti _{1/2})O ₃ . <i>Physics of the Solid State</i> , 2009 , 51, 582-588	0.8	5
91	Low-temperature phase segregation in La _{2-x} Ba _x MnO ₃ : Manifestation of nonequilibrium thermodynamics. <i>Low Temperature Physics</i> , 2009 , 35, 449-454	0.7	5
90	Magnetoresistance of TbCu ₃ Mn ₄ O ₁₂ and Ca(Cu _{1.5} Mn _{1.5})Mn ₄ O ₁₂ Ferrimagnets with Perovskite Structure. <i>Physica Status Solidi A</i> , 1998 , 169, R1-R2		5

89	Crystal and magnetic structures of NdBaCo ₂ O _{5+δ} (δ 0.75): A neutron diffraction study. <i>Physical Review B</i> , 2008 , 77,	3.3	5
88	Crystallographic phases in La _{2/3} Ba _{1/3} MnO ₃ : temperature transformations and relation to magnetism. <i>Physica B: Condensed Matter</i> , 2004 , 350, 227-230	2.8	5
87	Investigation of magnetic phase transformations in a system of Nd _{1-x} BaxMnO ₃ (0 \leq x \leq 0.50) depending on the conditions of preparation. <i>Journal of Experimental and Theoretical Physics</i> , 2002 , 94, 329-335	1	5
86	Effect of Cd ions on transport properties of orthomanganites. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 185-190	1.8	5
85	Commensurate to incommensurate magnetic phase transition in honeycomb-lattice pyrovanadate Mn ₂ V ₂ O ₇ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	5
84	Magnetic Diagram of the High-Pressure Stabilized Multiferroic Perovskites of the BiFe _{1-y} ScyO ₃ Series. <i>Crystals</i> , 2020 , 10, 950	2.3	5
83	Improper Ferroelectric Contributions in the Double Perovskite Pb ₂ Mn _{0.6} Co _{0.4} WO ₆ System with a Collinear Magnetic Structure. <i>Inorganic Chemistry</i> , 2016 , 55, 4381-90	5.1	5
82	Anapole correlations in Sr ₂ IrO ₄ defy the j _{eff} =1/2 model. <i>Physical Review B</i> , 2019 , 100,	3.3	5
81	Unraveling the complex magnetic structure of multiferroic pyroxene NaFeGe ₂ O ₆ : A combined experimental and theoretical study. <i>Physical Review B</i> , 2018 , 98,	3.3	5
80	Field-Induced Transitions in Highly Frustrated SrHo ₂ O ₄ . <i>Crystals</i> , 2019 , 9, 488	2.3	4
79	Magnetic order and single-ion anisotropy in Tb ₃ Ga ₅ O ₁₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	4
78	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
77	Nuclear and magnetic structures of KMnF ₃ perovskite in the temperature interval 10 K \leq T \leq 05 K. <i>Journal of Alloys and Compounds</i> , 2020 , 842, 155935	5.7	4
76	Neutron scattering by Dirac multipoles. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 215603	1.8	4
75	Rich magnetoelectric phase diagrams of multiferroic single-crystal NaFeO ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	4
74	Magnetic structures of the anisotropic intermetallic compounds Er ₂ CoGa ₈ and Tm ₂ CoGa ₈ . <i>Physical Review B</i> , 2010 , 82,	3.3	4
73	Crystal Structure of La ₆ Mg ₄ Ta ₂ W ₂ O ₂₄ Oxide: A Representative of a Novel A _{3n} B _n B _n O _{12n} Homologous Series with n = 2. <i>Chemistry of Materials</i> , 2006 , 18, 3843-3849	9.6	4
72	Spin Jahn-Teller antiferromagnetism in CoTi ₂ O ₅ . <i>Physical Review B</i> , 2019 , 99,	3.3	4

71	Magnetically driven loss of centrosymmetry in metallic Pb ₂ CoOsO ₆ . <i>Physical Review B</i> , 2020 , 102,	3-3	4
70	Exchange bias effect in bulk multiferroic BiFe _{0.5} Sc _{0.5} O ₃ . <i>AIP Advances</i> , 2020 , 10, 045102	1-5	4
69	Evolving spin periodicity and lock-in transition in the frustrated ordered ilmenite-type Mn ₂ InSbO ₆ . <i>Physical Review B</i> , 2018 , 98,	3-3	4
68	Dirac multipoles in diffraction by the layered room-temperature antiferromagnets BaMn ₂ P ₂ and BaMn ₂ As ₂ . <i>Physical Review B</i> , 2018 , 98,	3-3	4
67	Magnetic frustration and spontaneous rotational symmetry breaking in PdCrO ₂ . <i>Physical Review B</i> , 2019 , 100,	3-3	3
66	Magnetic multipoles in a ruthenate Ca ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 2019 , 99,	3-3	3
65	Difference in magnetic and ferroelectric properties between rhombohedral and hexagonal polytypes of AgFeO ₂ : A single-crystal study. <i>Physical Review B</i> , 2019 , 99,	3-3	3
64	Neutron diffraction and symmetry analysis of the martensitic transformation in Co-doped Ni ₂ MnGa. <i>Physical Review B</i> , 2020 , 101,	3-3	3
63	Strong quantum fluctuations from competition between magnetic phases in a pyrochlore iridate. <i>Physical Review B</i> , 2020 , 101,	3-3	3
62	Temperature-Induced Reversible and Irreversible Transitions between Metastable Perovskite Phases in the BiFe _{1-x} Sc _x O ₃ Solid Solutions. <i>Crystals</i> , 2018 , 8, 91	2-3	3
61	Structural phase transition in La _{2/3} Ba _{1/3} MnO ₃ perovskite: Elastic, magnetic, and lattice anomalies and microscopic mechanism. <i>AIP Advances</i> , 2015 , 5, 077189	1-5	3
60	The Large Magnetoresistance of R ₂ Mo ₂ O ₇ (R = Gd, Tb) Pyrochlores at Low Temperatures. <i>Physica Status Solidi A</i> , 1998 , 167, 151-155		3
59	6H hexagonal structure of low loss Ba ₃ MTiWO ₉ (M = Mg, Zn) dielectrics. <i>Materials Research Bulletin</i> , 2007 , 42, 126-130	5-1	3
58	Neutron powder diffraction study of Nd _{0.92} Ca _{0.08} MnO ₃ . <i>Physica B: Condensed Matter</i> , 2004 , 350, E19-E28		3
57	Uniaxial pressure effect on magnetic susceptibility of perovskite manganite La _{0.66} Ba _{0.34} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 241, 69-72	2-8	3
56	Electrochemical growth and properties of LaMn _{1-x} CoxO ₃ (0 Crystal Research and Technology, 2003 , 38, 748-754	1-3	3
55	Neutron diffraction and ESR studies of pseudocubic Nd _{0.77} Ba _{0.23} MnO ₃ and its anomalous critical behavior above TC. <i>Solid State Communications</i> , 2003 , 128, 41-45	1-6	3
54	Time-resolved thermoelectrical effect in Sm _{0.56} Sr _{0.44} MnO ₃ perovskite. <i>Physica B: Condensed Matter</i> , 2000 , 292, 54-58	2-8	3

53	Magnetotransport properties of with pyrochlore structure. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 401-405	1.8	3
52	Spontaneous cycloidal order mediating a spin-reorientation transition in a polar metal. <i>Physical Review B</i> , 2020 , 102,	3.3	3
51	Magnetic ground state of the ordered double-perovskite Sr ₂ YbRuO ₆ : Two magnetic transitions. <i>Physical Review B</i> , 2020 , 102,	3.3	3
50	Fragile ground state and rigid field-induced structures in the zigzag ladder compound BaDy ₂ O ₄ . <i>Physical Review B</i> , 2021 , 103,	3.3	3
49	Direct observation of electron density reconstruction at the metal-insulator transition in NaOsO ₃ . <i>Physical Review B</i> , 2018 , 98,	3.3	3
48	Magnetic states of Ni-Mn-Sn based shape memory alloy: A combined muon spin relaxation and neutron diffraction study. <i>Physical Review B</i> , 2019 , 99,	3.3	2
47	Original Network of Zigzag Chains in the Polymorph of FeWO ₄ : Crystal Structure and Magnetic Ordering. <i>Inorganic Chemistry</i> , 2020 , 59, 9798-9806	5.1	2
46	Charge ordering in Nd _{2/3} Ca _{1/3} MnO ₃ : ESR and magnetometry study. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 410, 109-115	2.8	2
45	Coupling between Spin and Charge Order Driven by Magnetic Field in Triangular Ising System LuFe ₂ O ₄ . <i>Crystals</i> , 2018 , 8, 88	2.3	2
44	Spin-Glass Magnetic Properties of A-Site Columnar-Ordered Quadruple Perovskites YMnGa(MnGa)O with 0. <i>Inorganic Chemistry</i> , 2019 , 58, 14830-14841	5.1	2
43	X-ray Diffraction by Magnetic Charges (Monopoles). <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 103703	1.5	2
42	BROADBAND DIELECTRIC SPECTROSCOPY OF La _{1/3} NbO ₃ CERAMICS. <i>Integrated Ferroelectrics</i> , 2009 , 109, 55-60	0.8	2
41	Charge Order Disorder Transition in the Nd _{0.6} (Ca _{0.4} Cdx)MnO ₃ Perovskites. <i>Journal of Solid State Chemistry</i> , 1997 , 134, 215-218	3.3	2
40	Neutron diffraction and ESR studies of pseudocubic Nd _{0.75} Ba _{0.25} MnO ₃ and its unusual critical behavior above. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, 44-47	2.8	2
39	Exchange interactions and magnetic subsystems in Nd _{2/3} Ca _{1/3} MnO ₃ : analysis of temperature effects. <i>Physica B: Condensed Matter</i> , 2004 , 350, E9-E12	2.8	2
38	Magnetic phases in La _{0.66} Ba _{0.34} MnO ₃ : effects of temperature and elastic strains. <i>Low Temperature Physics</i> , 2002 , 28, 762-766	0.7	2
37	Phase transitions and magnetic-transport phenomena in the system La _{2/3} Ba _{1/3} (Mn _{1-x} Cox)O ₃ . <i>Journal of Experimental and Theoretical Physics</i> , 1999 , 89, 321-324	1	2
36	Magnetotransport properties of the Sm _{0.56} (Sr _{0.44-x} Me _x)MnO ₃ (Me = Ba, Ca, Cd) perovskites. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 8913-8920	1.8	2

35	Magnetic structure of the quantum magnet SrCuTe ₂ O ₆ . <i>Physical Review B</i> , 2020 , 102,	3.3	2
34	Lone octupole and bulk magnetism in osmate 5d ² double perovskites. <i>Physical Review B</i> , 2020 , 102,	3.3	2
33	Emergence of a Magnetostructural Dipolar Glass in the Quadruple Perovskite Dy _{1-x} Mn _{7+x} O ₁₂ . <i>Physical Review Letters</i> , 2020 , 125, 097601	7.4	2
32	Structural and magnetic properties of the quantum magnet BaCuTe ₂ O ₆ . <i>Physical Review B</i> , 2021 , 103,	3.3	2
31	Field-induced magnetic states in geometrically frustrated SrEr ₂ O ₄ . <i>SciPost Physics</i> , 2021 , 11,	6.1	2
30	Helical magnetism in Sr-doped CaMn ₇ O ₁₂ films. <i>Physical Review B</i> , 2018 , 98,	3.3	2
29	The rich physics of A-site-ordered quadruple perovskite manganites AMnO. <i>Dalton Transactions</i> , 2021 , 50, 15458-15472	4.3	2
28	Metastable perovskite Bi _{1-x} La _x Fe _{0.5} Sc _{0.5} O ₃ phases in the range of the compositional crossover. <i>Phase Transitions</i> , 2017 , 90, 831-839	1.3	1
27	Magnetically induced metal-insulator transition in Pb ₂ CaOsO ₆ . <i>Physical Review B</i> , 2020 , 102,	3.3	1
26	Phase Transitions in the Metastable Perovskite Multiferroics BiCrO and BiCrScO: A Comparative Study. <i>Inorganic Chemistry</i> , 2020 , 59, 8727-8735	5.1	1
25	Mn ₂ TeO ₆ : Complex antiferromagnetism as a consequence of the Jahn-Teller distortion. <i>Physical Review B</i> , 2019 , 100,	3.3	1
24	Exchange bias phenomenon in (Nd _{1-x} Y _x) _{2/3} Ca _{1/3} MnO ₃ (x = 0, 0.1) perovskites. <i>Low Temperature Physics</i> , 2015 , 41, 1001-1005	0.7	1
23	Instability of oxygen vacancy ordering at the metal-insulator transition in the iron-doped TbBaCo ₂ O _{5.5} layered perovskite. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 9007-9012	1.8	1
22	Effect of oxygen non-stoichiometry on the antiferromagnet-ferromagnet transition in Nd _{0.5} Ca _{0.5} MnO ₃ (x=0.12). <i>Physics of the Solid State</i> , 2000 , 42, 305-307	0.8	1
21	Effect of Fe-substitution on charge ordering in Ca-rich manganites Pr _{1-x} Ca _x MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 222, 28-32	2.8	1
20	Magnetic and Electrical Transport Properties of Ln _{0.8} Sr _{0.2} (Co _{1-x} Fex) ₃ O ₇ (Ln = La, Nd, Sm, Eu, 0.03 ≤ x ≤ 0.12). <i>Physica Status Solidi A</i> , 1999 , 172, 485-490		1
19	Cationic Ordering, Solid Solution Domain, and Diffuse Reflectance in Fe ₂ WO ₆ Polymorphs. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 25907-25916	3.8	1
18	Crossover from Kondo semiconductor to metallic antiferromagnet with 5d-electron doping in CeFe ₂ Al ₁₀ . <i>Physical Review B</i> , 2021 , 104,	3.3	1

17	Diffraction by multipoles in a 5d2 rhenium double perovskite. <i>Physical Review B</i> , 2021 , 103,	3.3	1
16	Competing electronic instabilities in the quadruple perovskite manganite PbMn7O12. <i>Physical Review B</i> , 2021 , 103,	3.3	1
15	Magnetic and electronic ordering phenomena in the Ru2O6-layer honeycomb lattice compound AgRuO3. <i>Physical Review B</i> , 2021 , 103,	3.3	1
14	Magnetostriction-driven ground-state stabilization in 2H perovskites. <i>Physical Review B</i> , 2016 , 94,	3.3	1
13	Field-induced magnetic charge in a cubic Laves compound UAl2. <i>Journal of Physics: Conference Series</i> , 2019 , 1316, 012004	0.3	1
12	A plethora of structural transitions, distortions and modulations in Cu-doped BiMn7O12 quadruple perovskites. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10232-10242	7.1	1
11	Spontaneous and Induced Ferroelectricity in the BiFe1-xScxO3 Perovskite Ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2100173	1.6	1
10	The orthorhombic-tetragonal morphotropic phase boundary in high-pressure synthesized BiMg0.5Ti0.5O3BiZn0.5Ti0.5O3 perovskite solid solutions. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 161, 110392	3.9	1
9	Electronic and magnetic properties of multiferroic ScFeO available from diffraction experiments. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 455604	1.8	0
8	Magnetic Behaviour of Perovskite Compositions Derived from BiFeO3. <i>Magnetochemistry</i> , 2021 , 7, 151	3.1	0
7	Non-collinear Order and Spin-Orbit Coupling in Sr3ZnIrO6. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 064703	1.5	0
6	High-pressure neutron diffraction study of Pd3Fe. <i>Journal of Applied Physics</i> , 2019 , 125, 015901	2.5	0
5	Heisenberg spins on an anisotropic triangular lattice: PdCrO2 under uniaxial stress. <i>New Journal of Physics</i> , 2021 , 23, 123050	2.9	0
4	Structure and Dielectric Behavior of the (1-x)La(Mg1/2Ti1/2)O3-xBa(Mg1/2W1/2)O3 Microwave Ceramics. <i>Ferroelectrics</i> , 2006 , 333, 213-219	0.6	
3	Magnetic ordering and magnetoresistive effect in La1-xSrx(Mn1-yMey)O3 perovskites (Me = Nb, Mg). <i>Physics of the Solid State</i> , 2000 , 42, 84-88	0.8	
2	Structure Sequence in the CaTiO3?LaAlO3Microwave Ceramics?Revised. <i>Journal of the American Ceramic Society</i> , 2006 , 061120100924069-???	3.8	
1	Investigating the magnetic ground state of the skyrmion host material Cu2OSeO3 using long-wavelength neutron diffraction. <i>AIP Advances</i> , 2019 , 9, 125228	1.5	