

# Dmitry D Khalyavin

## List of Publications by Year in descending order

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257  
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257  
docs citations

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times ranked

5793  
citing authors

#	ARTICLE	IF	CITATIONS
1	A ferroelectric-like structural transition in a metal. Nature Materials, 2013, 12, 1024-1027.	13.3	343
2	Giant Improper Ferroelectricity in the Ferroaxial Magnet $\text{CaMnO}_7$ . Physical Review Letters, 2012, 108, 067201.	11.9	235
3	Phase Transitions in the $\text{Gd}_{0.5}\text{Ba}_{0.5}\text{CoO}_3$ Perovskite. Physical Review Letters, 1998, 80, 3380-3383.	2.9	184
4	Phase diagram of $\text{BaKFe}_2\text{As}_2$ . Physical Review Letters, 2012, 108, 067201.	1.1	157
5	Magnetically driven suppression of nematic order in an iron-based superconductor. Nature Communications, 2014, 5, 3845.	5.8	146
6	Long-range magnetic order in $\text{CeRu}_2\text{Si}_2$ via muon spin relaxation and neutron diffraction. Physical Review B, 2010, 82, .	2.1	114
7	Tetragonal phase of epitaxial room-temperature antiferromagnet $\text{CuMnAs}$ . Nature Communications, 2013, 4, 2322.	5.8	123
8	Crystal Structure of Metastable Perovskite $\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ : Bi-Based Structural Analogue of Antiferroelectric $\text{PbZrO}_3$ . Chemistry of Materials, 2006, 18, 5104-5110.	3.2	122
9	Magnetic and electrical transport properties of orthocobaltites $\text{R}_{0.5}\text{Ba}_{0.5}\text{CoO}_3$ ( $\text{R}=\text{La, Pr, Nd, Sm, Eu, Gd, Tb, Dy}$ ). Physical Review B, 1998, 58, 2418-2421.	1.1	118
10	Magnetic properties of anion deficit manganites $\text{Ln}_{0.55}\text{Ba}_{0.45}\text{MnO}_3$ ( $\text{Ln}=\text{La, Nd, Sm, Gd}$ ). Journal of Magnetism and Magnetic Materials, 2000, 208, 217-220.	1.0	101
11	Spin-state ordering and magnetic structures in the cobaltites $\text{YBaCo}_2\text{O}_{5+\delta}$ ( $\delta=0.50$ and $0.44$ ). Physical Review B, 2007, 75, .	1.1	89
12	Magnetoelastic coupling in the phase diagram of $\text{BaKFe}_2\text{As}_2$ . Physical Review Letters, 2012, 108, 067201.	1.1	86
13	Ammonia-Rich High-Temperature Superconducting Intercalates of Iron Selenide Revealed through Time-Resolved <i>in Situ</i> X-ray and Neutron Diffraction. Journal of the American Chemical Society, 2014, 136, 630-633.	6.6	86
14	Coupling of magnetic order to planar Bi electrons in the anisotropic Dirac metals $\text{MnBi}_2\text{As}_2$ . Physical Review Letters, 2012, 108, 067201.	1.1	81
15	Field-tunable spin-density-wave phases in $\text{Sr}_3\text{Ru}_2\text{O}_7$ . Nature Materials, 2015, 14, 373-378.	13.3	79
16	Anisotropic magnetic, magnetoresistance, and electrotransport properties of $\text{GdBaCo}_2\text{O}_{5.5}$ single crystals. Physical Review B, 2003, 67, .	1.1	77
17	Magnetic phase diagrams of the manganites $\text{Ln}_{1-x}\text{Ba}_x\text{MnO}_3$ ( $\text{Ln}=\text{Nd, Sm}$ ). Journal of Physics Condensed Matter, 1999, 11, 8707-8717.	0.7	74
18	Magnetic and magnetotransport properties of Co-doped manganites with perovskite structure. Journal of Magnetism and Magnetic Materials, 2000, 210, 63-72.	1.0	74

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19	Antiferromagnetic structure in tetragonal CuMnAs thin films. <i>Scientific Reports</i> , 2015, 5, 17079.	1.6	68
20	Electric and antiferromagnetic chiral textures at multiferroic domain walls. <i>Nature Materials</i> , 2020, 19, 386-390.	13.3	64
21	Electrical and magnetic properties of YBaCo <sub>4</sub> O <sub>7+δ</sub> . <i>Materials Chemistry and Physics</i> , 2005, 92, 33-38.	2.0	63
22	Structural, magnetic, and superconducting properties of Ba <sub>1-x</sub> Na <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , 2020, 101, .	1.1	62
23	Emergent topological spin structures in the centrosymmetric cubic perovskite SrFeO <sub>3</sub> . <i>Physical Review B</i> , 2020, 101, .	1.1	62
24	Spiral-Spin-Driven Ferroelectricity in a Multiferroic Delafossite AgFeO <sub>2</sub> . <i>Physical Review Letters</i> , 2012, 109, 097203.	2.9	57
25	Synthesis and dielectric properties of tungsten-based complex perovskites. <i>Journal of Materials Research</i> , 2003, 18, 2600-2607.	1.2	56
26	Evidence for a three-dimensional quantum spin liquid in PbCuTe <sub>2</sub> O <sub>6</sub> . <i>Nature Communications</i> , 2020, 11, 2348.	5.8	53
27	Tetragonal magnetic phase in Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , 2015, 92, .	1.1	53
28	Polar and antipolar polymorphs of metastable perovskite BiFe <sub>0.5</sub> Sc <sub>0.5</sub> O <sub>3</sub> . <i>Physical Review B</i> , 2014, 89, .	1.1	53
29	Magnetic phase diagrams of the Ln(Mn <sub>1-x</sub> Cox)O <sub>3</sub> (Ln=Eu, Nd, Y) systems. <i>Journal of Applied Physics</i> , 2000, 88, 360-367.	1.1	45
30	Antiferromagnetism at T > 500 K in the layered hexagonal ruthenate SrRu <sub>2</sub> O <sub>6</sub> . <i>Physical Review B</i> , 2015, 92, .	1.1	43
31	Magnetic ground state of La <sub>0.54</sub> Co <sub>2</sub> O <sub>5.5</sub> cobalt oxides. <i>Physical Review B</i> , 2005, 72, .	1.1	42
32	Theory of High-Temperature Multiferroicity in Cupric Oxide. <i>Physical Review Letters</i> , 2011, 106, 257601.	2.9	42
33	Anisotropy-Tuned Magnetic Order in Pyrochlore Iridates. <i>Physical Review Letters</i> , 2015, 114, 247202.	2.9	40
34	Structural behavior of the kagome antiferromagnet TmBaCo <sub>4</sub> . <i>Physical Review B</i> , 2009, 80, .	1.1	39
35	Two-Dimensional Charge Disproportionation of the Unusual High Valence State Fe <sup>4+</sup> in a Layered Double Perovskite. <i>Journal of the American Chemical Society</i> , 2015, 137, 7468-7473.	6.6	39
36	Spin-induced multiferroicity in the binary perovskite manganite Mn <sub>2</sub> O <sub>3</sub> . <i>Nature Communications</i> , 2018, 9, 2996.	5.8	38

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37	Structure Sequence in the CaTiO <sub>3</sub> -LaAlO <sub>3</sub> Microwave Ceramics-Revised. Journal of the American Ceramic Society, 2006, 89, 1721-1723.	1.9	37
38	Magnetodielectric detection of magnetic quadrupole order in Ba(TiO)Cu <sub>4</sub> (PO <sub>4</sub> ) <sub>4</sub> with Cu <sub>4</sub> O <sub>12</sub> square cupolas. Nature Communications, 2016, 7, 13039.	5.8	37
39	Magnetic and neutron diffraction study of La <sub>2/3</sub> Ba <sub>1/3</sub> MnO <sub>3</sub> perovskite manganite. Physical Review B, 2003, 68, .	1.1	36
40	Spontaneous toroidal moment and field-induced magnetotoroidic effects in Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>10</sub> . Physical Review B, 2011, 83, .	1.1	36
41	Spin ordering and magnetoelectric coupling in the extended Kagome system Ba <sub>2</sub> Co <sub>7</sub> O <sub>10</sub> . Physical Review B, 2011, 83, .	1.1	36
42	Change of magnetic ground state by light electron doping in CeOs <sub>2</sub> Al <sub>10</sub> . Physical Review B, 2013, 88, .	1.1	36
43	Emergent helical texture of electric dipoles. Science, 2020, 369, 680-684.	6.0	36
44	Highly frustrated magnetism in SrHo <sub>2</sub> O <sub>10</sub> : Coexistence of two types of short-range order. Physical Review B, 2013, 88, .	1.1	35
45	Sc <sub>2</sub> NiMnO <sub>6</sub> : A Double-Perovskite with a Magnetodielectric Response Driven by Multiple Magnetic Orders. Inorganic Chemistry, 2015, 54, 8012-8021.	1.9	35
46	Pressure-induced polar phases in multiferroic delafossite CuFe <sub>2</sub> O <sub>2</sub> . Physical Review B, 2014, 89, .	1.1	34
47	Low-temperature ferrimagnetism induced by zigzag stripes of oxygen vacancies in Sr <sub>3</sub> YCo <sub>4</sub> O <sub>10</sub> . Physical Review B, 2011, 83, .	1.1	33
48	Ferro-type order of magneto-electric quadrupoles as an order-parameter for the pseudo-gap phase of a cuprate superconductor. Journal of Physics Condensed Matter, 2015, 27, 292201.	0.7	33
49	Magnetic and transport properties of some insulating manganites. Physical Review B, 1998, 58, 2422-2425.	1.1	31
50	Vesignieite: An S <sub>2</sub> Mo <sub>2</sub> Kagome Antiferromagnet with Dominant Third-Neighbor Exchange. Physical Review Letters, 2018, 121, 107203.	2.9	31
51	Magnetic and crystal structure phase transitions in R <sub>1-x</sub> Ba <sub>x</sub> CoO <sub>3-y</sub> (R = Nd, Gd). Journal of Physics Condensed Matter, 2000, 12, 2485-2493.	0.7	29
52	Magnetic frustration, short-range correlations and the role of the paramagnetic Fermi surface of PdCrO <sub>2</sub> . Scientific Reports, 2015, 5, 12428.	1.6	29
53	Spin correlations in the geometrically frustrated BaCo <sub>2</sub> Y <sub>2</sub> O <sub>10</sub> . Mean-field approach and Monte Carlo simulations. Physical Review B, 2010, 82, .	1.1	28
54	Symmetry of reentrant tetragonal phase in Ba <sub>2</sub> Co <sub>2</sub> O <sub>7</sub> : Magnetic versus orbital ordering mechanism. Physical Review B, 2014, 90, .	1.1	28

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55	Magnetic and structural phase transitions in some orthocobaltites doped by Ba or Sr ions. Journal of Physics Condensed Matter, 1998, 10, 6381-6389.	0.7	27
56	Magnetic order in the frustrated Ising-like chain compound $\text{Sr}_3\text{O}_6$ . Physical Review B, 2014, 90, .	1.1	27
57	Modulated spin helicity stabilized by incommensurate orbital density waves in a quadruple perovskite manganite. Physical Review B, 2016, 93, .	1.1	27
58	Bulk superconductivity at 84 K in the strongly overdoped regime of cuprates. Physical Review B, 2016, 94, .	1.1	25
59	Symmetry-determined antiferroelectricity in $\text{PbZrO}_3$ , $\text{NaNbO}_3$ , and $\text{PbHfO}_3$ . Physical Review B, 2019, 99, .	1.1	25
60	High-temperature characterization of oxygen-deficient $\text{K}_2\text{NiF}_4$ -type $\text{Nd}_{2x}\text{Sr}_x\text{NiO}_{4-x}$ ( $x = 1.0\text{--}1.6$ ) for potential SOFC/SOEC applications. Journal of Materials Chemistry A, 2015, 3, 23852-23863.	5.2	24
61	Structure-dependent microwave dielectric properties of $(1-x)\text{La}(\text{Mg}_{1-x}\text{Ti}_x)_2\text{O}_3$ $\text{La}_3\text{TiO}_3$ ceramics. Journal of Applied Physics, 2005, 98, 034101.	1.1	23
62	Luttinger liquid behavior in the alternating spin-chain system copper nitrate. Physical Review B, 2015, 91, .	1.1	23
63	Magnetic structures of the rare-earth quadruple perovskite manganites $\text{R}_2\text{Mn}_{12}\text{O}_{23}$ . Physical Review B, 2018, 98, .	1.1	23
64	The Biaxial Strain Dependence of Magnetic Order in Spin Frustrated $\text{Mn}_3\text{NiN}$ Thin Films. Advanced Functional Materials, 2019, 29, 1902502.	7.8	23
65	Magnetic ordering in pressure-induced phases with giant spin-driven ferroelectricity in multiferroic $\text{TbMnO}_3$ . Physical Review B, 2016, 93, .	1.1	22
66	Magneto-orbital ordering in the divalent $\text{A}_2\text{Mn}_2\text{O}_7$ -site quadruple perovskite manganites $\text{A}_2\text{Mn}_2\text{O}_7$ . Physical Review B, 2016, 93, .		

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73	Effect of iron doping on the properties of TbBaCo <sub>2</sub> O <sub>5.5</sub> layered perovskite. Journal of Applied Physics, 2003, 93, 479-486.	1.1	18
74	Low-temperature behavior of $YBaCo_2O_{5.5}$ : Coexistence of two spin-state ordered phases. Physical Review B, 2008, 77, .	1.1	18
75	Magnetic symmetries in neutron and resonant x-ray Bragg diffraction patterns of four iridium oxides. Journal of Physics Condensed Matter, 2012, 24, 496003.	0.7	18
76	Complex antipolar $\sqrt{2} \times \sqrt{2} \times 2\sqrt{2}$ magnetic ordering and ferroelectricity in multiferroic $Pn2_1a_1$ $AgFeO_2$ . Physical Review B, 2014, 90, 080402.	1.1	18
77	Magnetic ordering and ferroelectricity in multiferroic $Pn2_1a_1$ $AgFeO_2$ . Physical Review B, 2014, 90, 080402.	1.1	18
78	neutron diffraction investigations on the reentrant ferromagnetic superconductor $Sr_2Ru_1-xCo_xO_8$ . Physical Review B, 2015, 91, 020401.		

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91	Field-induced long-range magnetic order in the spin-singlet ground-state system YbAl <sub>3</sub> TeO <sub>7</sub> . Physical Review B, 2013, 87, .	1.1	15
92	Symmetry-protected hidden order and magnetic neutron Bragg diffraction by URu <sub>2</sub> Si <sub>2</sub> . Journal of Physics Condensed Matter, 2014, 26, 046003.	1.1	15
93	Magnetic structure of an incommensurate phase of La-doped BiFeO <sub>3</sub> : Role of antisymmetric exchange interactions. Physical Review B, 2015, 92, .	1.1	15
94	Evolution of spin correlations in SrDyO <sub>2</sub> : An applied magnetic field. Physical Review B, 2017, 95, .	1.1	15
95	Understanding the magnetism in noncentrosymmetric CeIrGe: Muon spin relaxation and neutron scattering studies. Physical Review B, 2018, 97, .	1.1	15
96	Magnetic order and single-ion anisotropy in TbO <sub>12</sub> . Physical Review B, 2019, 100, .	1.1	15
97	Direct Observation of Anapoles by Neutron Diffraction. Physical Review Letters, 2019, 122, 047203.	2.9	15
98	Neutron powder diffraction study of TbBaCo <sub>2-x</sub> FexO <sub>5+δ</sub> layered oxides. Journal of Solid State Chemistry, 2004, 177, 2068-2072.	1.4	14
99	Structure and dielectric characterization of a new A-site deficient La <sub>5/3</sub> MgTaO <sub>6</sub> perovskite. Journal of Solid State Chemistry, 2007, 180, 41-48.	1.4	14
100	Effect of Y-doping on the magnetic and charge orderings in Nd <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> . Journal of Magnetism and Magnetic Materials, 2009, 321, 316-320.	1.0	14
101	Anomalous change of the magnetic moment direction by hole doping in CeRu <sub>2</sub> Al <sub>10</sub> . Physical Review B, 2014, 90, .	1.1	14
102	Phase formation in the (1-y)BiFeO <sub>3</sub> -yBiScO <sub>3</sub> system under ambient and high pressure. Journal of Solid State Chemistry, 2017, 247, 90-96.	1.4	14
103	Intrinsic Triple Order in A-site Columnar-Ordered Quadruple Perovskites: Proof of Concept. ChemPhysChem, 2018, 19, 2449-2452.	1.0	14
104	Magnetic structure and spin-lip transition in the columnar-ordered quadruple perovskite TmMn <sub>3</sub> O <sub>6</sub> . Physical Review B, 2019, 100, 104409.	1.1	14
105	Valence Variations by B-Site Doping in A-Site Columnar-Ordered Quadruple Perovskites Sm <sub>2</sub> MnMn(Mn <sub>4-x</sub> Ti <sub>x</sub> )O <sub>12</sub> with 1 ≤ x ≤ 3. Inorganic Chemistry, 2019, 58, 3492-3501.	1.9	14
106	Structure refinement, far infrared spectroscopy, and dielectric characterization of (1-x)La(Mg <sub>1-2x</sub> Ti <sub>2x</sub> )O <sub>3-x</sub> La <sub>2x</sub> TiO <sub>3</sub> solid solutions. Journal of Applied Physics, 2006, 99, 094104.	1.1	13
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109	Neutron diffraction and the electronic properties of $\text{BaFe}_2\text{Se}_3$ . <i>Physica Scripta</i> , 2016, 91, 015803.	1.2	13
110	Planar triangular $\text{S}=\text{Mn}_3$ magnet $\text{AgCrSe}_2$ : Magnetic frustration, short range correlations, and field-tuned anisotropic cycloidal magnetic order. <i>Physical Review B</i> , 2021, 104, .	1.1	13
111	Phase transformations in perovskites $\text{TbBaCo}_2\text{Fe}_x\text{O}_5 + \hat{\Gamma}^3$ . <i>Journal of Experimental and Theoretical Physics</i> , 2002, 95, 748-752.	0.2	12
112	Low-temperature structural and dielectric phenomena in $\text{La}_{1/3}\text{NbO}_3$ and $\text{La}_{1/3}\text{TaO}_3$ : Comparative study. <i>Applied Physics Letters</i> , 2008, 93, 162903.	1.5	12
113	A novel compact three-dimensional laser-sintered collimator for neutron scattering. <i>Review of Scientific Instruments</i> , 2015, 86, 095114.	0.6	12
114	Improper Ferroelectric Contributions in the Double Perovskite $\text{Pb}_2\text{Mn}_{0.6}\text{Co}_{0.4}\text{WO}_6$ System with a Collinear Magnetic Structure. <i>Inorganic Chemistry</i> , 2016, 55, 4381-4390.	1.9	12
115	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, .	1.1	12
116	The phenomenon of conversion polymorphism in Bi-containing metastable perovskites. <i>Chemical Communications</i> , 2019, 55, 4683-4686.	2.2	12
117	Displacive structural phase transitions and the magnetic ground state of quadruple perovskite $\text{YMn}_7\text{O}_{12}$ . <i>Physical Review B</i> , 2019, 99, .	1.2	12
118	Phase Relations in the Systems $\text{Ln}_{1-x}\text{Ba}_x\text{CoO}_3$ ( $0 < x \leq 0.66$ ; Ln = Nd, Sm). <i>Inorganic Materials</i> , 2003, 39, 1092-1096.	0.2	11
119	Kinetic control of structural and magnetic states in $\text{LuBaCo}_4\text{O}_7$ . <i>Physical Review B</i> , 2012, 85, .	1.1	11
120	Uncertainty of oxygen content in highly nonstoichiometric oxides from neutron diffraction data: example of perovskite-type $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ . <i>Journal of Materials Chemistry A</i> , 2017, 5, 3456-3463.	5.2	11
121	$\text{Mn}_2\text{TeO}_6$ : a Distorted Inverse Trirutile Structure. <i>Inorganic Chemistry</i> , 2017, 56, 9742-9753.	1.9	11
122	The $\text{O}_{2-\delta}$ stability domain of cubic perovskite $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4442-4454.	1.3	11
123	Colossal magnetoresistance in the insulating ferromagnetic double perovskites $\text{Ti}_2\text{NiMnO}_6$ : A neutron diffraction study. <i>Acta Materialia</i> , 2019, 173, 20-26.	3.8	11
124	Phase stratification in the $\text{Nd}_{1-x}\text{Ba}_x\text{CoO}_3$ ( $0.3 \leq x \leq 0.54$ ) system. <i>Journal of Experimental and Theoretical Physics</i> , 2001, 93, 805-808.	0.2	10
125	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.	0.7	10
126	Crystal structure of $\text{Sr}_2\text{MgWO}_6$ and $\text{Ba}_2\text{SrWO}_6$ determined by powder X-ray diffraction. <i>Powder Diffraction</i> , 2004, 19, 280-283.	0.4	10



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127	Unraveling the complex magnetic structure of multiferroic pyroxene $\text{LaC}_3\text{O}_6$ . Physical Review B, 2018, 98, .	1.1	10
128	Evolution of Magneto-Orbital order Upon A-Site Electron Doping in $\text{NaFeGe}_2\text{O}_6$ . Physical Review Letters, 2018, 120, 257202.	1.1	10
129	Magnetic states of Ni-Mn-Sn based shape memory alloy: A combined muon spin relaxation and neutron diffraction study. Physical Review B, 2019, 99, .	2.9	10
130	Lone octupole and bulk magnetism in osmate $5d_2$ double perovskites. Physical Review B, 2020, 102, .	1.1	10
131	High-Pressure Synthesis, Crystal Structures, and Properties of A-Site Columnar-Ordered Quadruple Perovskites $\text{NaRMn}_2\text{Ti}_4\text{O}_{12}$ with R = Sm, Eu, Gd, Dy, Ho, Y. Inorganic Chemistry, 2020, 59, 9065-9076.	1.9	10
132	Emergent spin ordering phenomena in the $\text{Ru}_2\text{O}_6$ -layer honeycomb lattice compound. Physical Review B, 2021, 103, .	1.1	10
133	Spontaneous cycloidal order mediating a spin-reorientation transition in a polar metal. Physical Review B, 2020, 102, .	1.1	10
134	Spin Jahn-Teller antiferromagnetism in $\text{CoTi}_2\text{O}_5$ . Physical Review B, 2019, 99, .	1.1	10
135	Synthesis and Characterization of $\text{Ln}_{1-x}\text{CdxMnO}_3$ (Ln = La, Nd) Perovskites. Physica Status Solidi A, 1997, 164, 821-825.	1.7	9
136	Contrasting effect of La substitution on the magnetic moment direction in the Kondo semiconductors $\text{CeTAl}_{10}$ (T=Ru,Os). Physical Review B, 2015, 92, .	1.1	9
137	Evolving spin periodicity and lock-in transition in the frustrated ordered ilmenite-type $\text{Fe}_2\text{O}_3$ . Physical Review B, 2018, 98, .	1.1	9
138	Magnetically driven loss of centrosymmetry in metallic $\text{Pb}_{1-x}\text{Sn}_x$ . Physical Review B, 2020, 102, .	1.1	9
139	Nuclear and magnetic structures of $\text{KMnF}_3$ perovskite in the temperature interval 10 K – 105 K. Journal of Alloys and Compounds, 2020, 842, 155935.	2.8	9
140	Neutron diffraction and symmetry analysis of the martensitic transformation in Co-doped $\text{Ni}_2\text{O}_7$ . Physical Review B, 2020, 101, .	1.1	9
141	The rich physics of A-site-ordered quadruple perovskite manganites $\text{AMn}_7\text{O}_{12}$ . Dalton Transactions, 2021, 50, 15458-15472.	1.6	9
142	Commensurate to incommensurate magnetic phase transition in honeycomb-lattice pyrovanadate $\text{Mn}_2\text{V}_2\text{O}_7$ . Physical Review Materials, 2019, 3, .	0.9	9
143	Possible chiral spin-liquid phase in noncentrosymmetric $\text{RBaCo}_4\text{O}_7$ . Physical Review B, 2012, 85, .	1.1	8

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145	Magnetic excitations from the two-dimensional interpenetrating Cu framework in $\text{Ba}_2\text{O}_4\text{Cl}_2$ . Physical Review B, 2017, 96, .		
146	Magnetic structure of the quantum magnet $\text{SrCu}_2\text{Te}_6$ . Physical Review B, 2020, 102, .	1.1	8
147	Effect of Cd ions on transport properties of orthomanganites. Journal of Physics Condensed Matter, 1998, 10, 185-190.	0.7	7
148	The nonlinear magnetic properties of the pseudocubic $\text{Nd}_{0.77}\text{Ba}_{0.23}\text{MnO}_3$ single crystal in the critical paramagnetic region and phase separation. Journal of Experimental and Theoretical Physics, 2002, 94, 581-592.	0.2	7
149	Crystal structure of $\text{La}_4\text{Mg}_3\text{W}_3\text{O}_{18}$ layered oxide. Journal of Physics Condensed Matter, 2005, 17, 2585-2595.	0.7	7
150	Structure evolution in the $\text{La}_2\text{MgTiO}_6\text{-Ba}_2\text{MgWO}_6$ system. Materials Research Bulletin, 2006, 41, 167-176.	2.7	7
151	Impedance spectroscopy of dielectric properties of perovskite ceramics $\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ . Physics of the Solid State, 2009, 51, 582-588.	0.2	7
152	Ferroelectricity and lattice distortion associated with spin orderings in a multiferroic delafossite $\text{AgFeO}_2$ . EPJ Web of Conferences, 2013, 40, 15008.	0.1	7
153	High-pressure cell for neutron diffraction with in situ pressure control at cryogenic temperatures. Review of Scientific Instruments, 2014, 85, 043904.	0.6	7
154	Determination of the crystal and magnetic structure of the $\text{DyCrO}_4$ -scheelite polymorph by neutron diffraction. Journal of Physics: Conference Series, 2014, 549, 012021.	0.3	7
155	Incommensurate spin-density-wave antiferromagnetism in $\text{CeRu}_2\text{Al}_2\text{B}$ . Physical Review B, 2016, 93, .	1.1	7
156	Incommensurate magnetic order in a quasicubic structure of the double-perovskite compound $\text{Sr}_2\text{NiIrO}_6$ . Physical Review B, 2017, 95, .	1.1	7
157	Direct observation of electron density reconstruction at the metal-insulator transition in $\text{NaOs}_3\text{O}_{10}$ . Physical Review B, 2019, 99, .		7
158	Magneto-orbital texture in the perovskite modification of $\text{Mn}_2\text{O}_3$ . Physical Review B, 2018, 98, .	1.1	7
159	Spin-Glass Magnetic Properties of A-Site Columnar-Ordered Quadruple Perovskites $\text{Y}_2\text{MnGa}(\text{Mn}_{4-x}\text{Gax})\text{O}_{12}$ with $0 \leq x \leq 3$ . Inorganic Chemistry, 2019, 58, 14830-14841.	1.9	7
160	Magnetic ground state of the ordered double-perovskite $\text{Sr}_2\text{YbRuO}_6$ : Two magnetic transitions. Physical Review B, 2020, 102, .	1.1	7
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