

# Andrey Podlesnyak

## List of Publications by Year in descending order

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220  
papers

4,771  
citations

126907

33  
h-index

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g-index

223  
all docs

223  
docs citations

223  
times ranked

5692  
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant anharmonic phonon scattering in PbTe. Nature Materials, 2011, 10, 614-619.	27.5	561
2	Charge Ordering as Alternative to Jahn-Teller Distortion. Physical Review Letters, 2007, 98, .	7.8	241
3	Spin-State Transition in LaCoO <sub>3</sub> : Direct Neutron Spectroscopic Evidence of Excited Magnetic States. Physical Review Letters, 2006, 97, 247208.	7.8	222
4	The new cold neutron chopper spectrometer at the Spallation Neutron Source: Design and performance. Review of Scientific Instruments, 2011, 82, 085108.	1.3	220
5	A comparison of four direct geometry time-of-flight spectrometers at the Spallation Neutron Source. Review of Scientific Instruments, 2014, 85, 045113.	1.3	107
6	Spin structure and magnetic phase transitions in TbBaCo <sub>2</sub> O <sub>5.5</sub> . Physical Review B, 2005, 71, .	3.2	98
7	High-temperature order-disorder transition and polaronic conductivity in PrBaCo <sub>2</sub> O <sub>5.48</sub> . Physical Review B, 2006, 73, .	3.2	93
8	Quantum Tunneling of Water in Beryl: A New State of the Water Molecule. Physical Review Letters, 2016, 116, 167802.	7.8	92
9	Structure and magnetic properties of the pyrochlore iridate Y <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . Physical Review B, 2012, 85, .	3.2	91
10	Spin Noncollinearity in Multiferroic Phase of Triangular Lattice Antiferromagnet CuFe <sub>1-x</sub> Al <sub>x</sub> O <sub>2</sub> . Journal of the Physical Society of Japan, 2007, 76, 043709.	1.6	78
11	Einstein modes in the phonon density of states of the single-filled skutterudite $\text{Yb}_{0.2}\text{CoSb}_3$ . Physical Review B, 2010, 82, .	3.2	77
12	Spin-State Polarons in Lightly-Hole-Doped LaCoO <sub>3</sub> . Physical Review Letters, 2008, 101, 247603.	7.8	76
13	The cold neutron chopper spectrometer at the Spallation Neutron Source – A review of the first 8 years of operation. Review of Scientific Instruments, 2016, 87, 093902.	1.3	68
14	Orbital-exchange and fractional quantum number excitations in an f-electron metal, Yb <sub>2</sub> Pt <sub>2</sub> Pb. Science, 2016, 352, 1206-1210.	12.6	68
15	Long-range magnetic interactions in the multiferroic antiferromagnet MnWO <sub>4</sub> . Physical Review B, 2011, 83, .	3.2	64
16	Low-temperature spin-state transition in LaCoO <sub>3</sub> investigated using resonant x-ray absorption at the Co K-edge. Physical Review B, 2006, 73, .	3.2	60
17	Incommensurate Spin Fluctuations in the Spin-Triplet Superconductor Candidate $\text{UTe}_2$ . Physical Review Letters, 2020, 125, 237003.	7.8	60
18	Tomonaga – Luttinger liquid behavior and spinon confinement in YbAlO <sub>3</sub> . Nature Communications, 2019, 10, 698.	12.8	56

#	ARTICLE	IF	CITATIONS
19	Field-induced magnetic transition and spin fluctuations in the quantum spin-liquid candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow></mml:mrow></mml:msub><mml:mi>CsYbSe</mml:mi></mml:math> Physical Review B, 2019, 100, .	8.2	56
20	Effect of oxygen ordering on the structural and magnetic properties of the layered perovskites PrBaCo2O5+I'. Journal of Physics Condensed Matter, 2005, 17, 3317-3324.	1.8	52
21	Spectroscopic and Theoretical Study of a Mononuclear Manganese(III) Complex Exhibiting a Tetragonally Compressed Geometry. Inorganic Chemistry, 2008, 47, 439-447.	4.0	52
22	Magnetic excitations in the geometric frustrated multiferroic CuCrO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow></mml:mrow></mml:msub></mml:math>. Physical Review B, 2011, 84, .	3.2	50
23	Magnetic Transitions in Iron Porphyrin Halides by Inelastic Neutron Scattering and Ab Initio Studies of Zero-Field Splittings. Inorganic Chemistry, 2015, 54, 9790-9801.	4.0	49
24	Inelastic neutron scattering studies of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow></mml:mrow></mml:msub></mml:math>YFeO</mml:math><mml:mn>3</mml:mn></mml:math> Physical Review B, 2014, 89, .	4.2	46
25	Dipolar Antiferromagnetism and Quantum Criticality in LiErF<sub>4</sub>. Science, 2012, 336, 1416-1419.	12.6	42
26	Spinon Fermi Surface Spin Liquid in a Triangular Lattice Antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow></mml:mrow></mml:msub><mml:mi>NaYbSe</mml:mi></mml:math> Physical Review X, 2021, 11, .	8.9	42
27	Kinetically inhibited order in a diamond-lattice antiferromagnet. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15693-15698.	7.1	41
28	Crystal-field and magnetic properties of the distorted perovskite NdGaO3. Journal of Physics Condensed Matter, 1993, 5, 8973-8982.	1.8	40
29	Short-range order in the quantum XXZ honeycomb lattice material <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow></mml:mrow></mml:msub><mml:mi>BaCo</mml:mi></mml:math><mml:mn>2</mml:mn></mml:math> Physical Review B, 2018, 97, .	4.2	40
30	Oxygen isotope effect on metal-insulator transition in layered cobaltites RBaCo2O5.5 (R = Pr, Dy, Ho) Tj ETQq0 0,0 rgBT /Overlock 10	1.8	39
31	Slow Magnetic Relaxations in Cobalt(II) Tetranitrate Complexes. Studies of Magnetic Anisotropy by Inelastic Neutron Scattering and High-Frequency and High-Field EPR Spectroscopy. Inorganic Chemistry, 2016, 55, 12603-12617.	4.0	39
32	Studies of Finite Molecular Chains: Synthesis, Structural, Magnetic and Inelastic Neutron Scattering Studies of Hexa- and Heptanuclear Chromium Horseshoes. Chemistry - A European Journal, 2008, 14, 5144-5158.	3.3	38
33	Identification of microscopic spin-polarization coupling in the ferroelectric phase of magnetoelectric multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow></mml:mrow></mml:msub></mml:math>CuFe</mml:math> Physical Review B, 2008, 78, .	3.2	35
34	Resonance from antiferromagnetic spin fluctuations for superconductivity in UTe2. Nature, 2021, 600, 636-640.	27.8	34
35	Orbital Selective Spin Excitations and their Impact on Superconductivity of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow></mml:mrow></mml:msub><mml:mi>LiFe</mml:mi></mml:math> Physical Review Letters, 2016, 116, 247001.	7.8	31
36	Decoupled spin dynamics in the rare-earth orthoferrite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow></mml:mrow></mml:msub></mml:math>YbFeO</mml:math><mml:mn>3</mml:mn></mml:math> : Evolution of magnetic excitations through the spin-reorientation transition. Physical Review B, 2018, 98, .	3.2	31

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37	Magnetic structure of $\text{CuCrO}_2$ : a single crystal neutron diffraction study. Journal of Physics Condensed Matter, 2012, 24, 016004.	1.8	30
38	Neutron Instruments for Research in Coordination Chemistry. European Journal of Inorganic Chemistry, 2019, 2019, 1065-1089.	2.0	29
39	Strong Anisotropic Dynamics of Ultra-Confined Water. Journal of Physical Chemistry B, 2014, 118, 13414-13419.	2.6	28
40	Role of Confinement on Adsorption and Dynamics of Ethane and an Ethane- $\text{CO}_2$ Mixture in Mesoporous CPG Silica. Journal of Physical Chemistry C, 2016, 120, 4843-4853.	3.1	28
41	Crystal-field levels in the distorted perovskite $\text{PrGaO}_3$ . Journal of Physics Condensed Matter, 1994, 6, 4099-4106.	1.8	27
42	Quantized antiferromagnetic spin waves in the molecular Heisenberg ring $\text{CsFe}_8$ . Physical Review B, 2010, 81, .	3.2	27
43	Magnetic ground state of the Ising-like antiferromagnet $\text{DyScO}_3$ . Physical Review B, 2017, 96, .	3.2	27
44	Magnetic properties of the Kagomé mixed compounds $(\text{Co}_x\text{Ni}_{1-x})_3\text{V}_2\text{O}_8$ . Physical Review B, 2006, 74, .	3.2	25
45	Effect of carrier doping on the formation and collapse of magnetic polarons in lightly hole-doped $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ . Physical Review B, 2011, 83, .	3.2	25
46	Magnetic Excitations in Metalloporphyrins by Inelastic Neutron Scattering: Determination of Zero-Field Splittings in Iron, Manganese, and Chromium Complexes. Inorganic Chemistry, 2014, 53, 1955-1961.	4.0	25
47	Onset of Cooperative Dynamics in an Equilibrium Glass-Forming Metallic Liquid. Journal of Physical Chemistry B, 2016, 120, 1142-1148.	2.6	25
48	Neutron diffraction study of deuterium ordering in C15 type $\text{TaV}_2\text{D}_x$ ( $x > 1$ ) in the temperature range of 1.5-295 K. Journal of Alloys and Compounds, 1997, 253-254, 282-285.	5.5	24
49	Boson Peak in Deeply Cooled Confined Water: A Possible Way to Explore the Existence of the Liquid-to-Liquid Transition in Water. Physical Review Letters, 2014, 112, 237802.	7.8	24
50	Antiferromagnetic ordering and dipolar interactions of $\text{YbAlO}_3$ . Physical Review B, 2019, 99, .	3.2	24
51	Van Hove singularity in the magnon spectrum of the antiferromagnetic quantum honeycomb lattice. Nature Communications, 2021, 12, 171.	12.8	24
52	Spectroscopic Studies of the Magnetic Excitation and Spin-Phonon Couplings in a Single-Molecule Magnet. Chemistry - A European Journal, 2019, 25, 15846-15857.	3.3	22
53	$\text{Tb}_x\text{Er}_{1-x}\text{Ni}_5$ compounds: An ideal model system for competing Ising-XY anisotropy energies. Physical Review B, 2009, 79, .	3.2	21
54	Butterflylike specific heat, magnetocaloric effect, and itinerant metamagnetism in $\text{Er}_2\text{Ni}_7$ . Physical Review B, 2009, 79, .	3.2	21

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55	Magnonlike Dispersion of Spin Resonance in Ni-doped $\text{Ba}_2\text{Fe}_{2-x}\text{Ni}_x\text{O}_7$ . Physical Review Letters, 2013, 110, 177002.	7.8	21
56	Antiferromagnetic and Orbital Ordering on a Diamond Lattice Near Quantum Criticality. Physical Review X, 2016, 6, .	8.9	21
57	Neutron spectroscopic studies of crystalline electric fields in high-Tc $\text{ErBa}_2\text{Cu}_3\text{O}_7$ doped with zn and Ni. Physica C: Superconductivity and Its Applications, 1991, 175, 587-594.	1.2	20
58	Magnetic order of Pr ions in $\text{PrBa}_2\text{Cu}_3\text{O}_6$ . Solid State Communications, 1993, 88, 57-61.	1.9	19
59	Oxygen order-disorder phase transition in $\text{PrBaCo}_2\text{O}_{5.48}$ at high temperature. Physica B: Condensed Matter, 2006, 378-380, 539-540.	2.7	19
60	Effect of light Sr doping on the spin-state transition in. Journal of Magnetism and Magnetic Materials, 2007, 310, 1552-1554.	2.3	19
61	Fast and slow dynamics in $\text{Pr}_{60}\text{Ni}_{10}\text{Cu}_{20}\text{Al}_{10}$ melts as seen by neutron scattering. Journal of Applied Physics, 2008, 103, 013509.	2.5	19
62	Enhanced survival of short-range magnetic correlations and frustrated interactions in $\text{R}_3\text{T}_2\text{O}_{10}$ intermetallics. Journal of Magnetism and Magnetic Materials, 2012, 324, 1907-1912.	2.3	19
63	Low-energy magnetic excitations in Co/CoO core/shell nanoparticles. Physical Review B, 2011, 83, .	3.2	18
64	Onset of magnetism in $\text{Y}_{1-x}\text{Gd}_x\text{Co}_2$ : effect on the heat capacity and electrical resistivity. Journal of Physics Condensed Matter, 2003, 15, 5371-5382.	1.8	17
65	Crystal growth features and properties of layered rare earth and barium cobaltates. Crystal Research and Technology, 2005, 40, 395-399.	1.3	17
66	Magnetic excitations in the spin-trimer compounds $\text{Ca}_3\text{Cu}_3\text{Ni}_x(\text{PO}_4)_4$ ( $x=0,1,2$ ). Physical Review B, 2007, 76, .	3.2	17
67	High magnetic field evolution of ferroelectricity in $\text{CuCrO}_3$ . Physical Review B, 2014, 89, .	3.2	17
68	Magnetic structure of $\text{Yb}_2\text{O}_7$ Ising moments on the Shastry-Sutherland lattice. Physical Review B, 2016, 93, .	3.2	17
69	New elaboration technique, structure and physical properties of infinite-layer $\text{Sr}_{1-x}\text{Ln}_x\text{CuO}_2$ ( $\text{Ln} = \text{Nd, Tj}$ ). $T_{\text{c}} \approx 100 \text{ K}$ . $T_{\text{N}} \approx 100 \text{ K}$ . $T_{\text{M}} \approx 100 \text{ K}$ . $T_{\text{Q}} \approx 100 \text{ K}$ . $T_{\text{P}} \approx 100 \text{ K}$ . $T_{\text{S}} \approx 100 \text{ K}$ . $T_{\text{D}} \approx 100 \text{ K}$ . $T_{\text{A}} \approx 100 \text{ K}$ . $T_{\text{B}} \approx 100 \text{ K}$ . $T_{\text{C}} \approx 100 \text{ K}$ . $T_{\text{E}} \approx 100 \text{ K}$ . $T_{\text{F}} \approx 100 \text{ K}$ . $T_{\text{G}} \approx 100 \text{ K}$ . $T_{\text{H}} \approx 100 \text{ K}$ . $T_{\text{I}} \approx 100 \text{ K}$ . $T_{\text{J}} \approx 100 \text{ K}$ . $T_{\text{K}} \approx 100 \text{ K}$ . $T_{\text{L}} \approx 100 \text{ K}$ . $T_{\text{M}} \approx 100 \text{ K}$ . $T_{\text{N}} \approx 100 \text{ K}$ . $T_{\text{O}} \approx 100 \text{ K}$ . $T_{\text{P}} \approx 100 \text{ K}$ . $T_{\text{Q}} \approx 100 \text{ K}$ . $T_{\text{R}} \approx 100 \text{ K}$ . $T_{\text{S}} \approx 100 \text{ K}$ . $T_{\text{T}} \approx 100 \text{ K}$ . $T_{\text{U}} \approx 100 \text{ K}$ . $T_{\text{V}} \approx 100 \text{ K}$ . $T_{\text{W}} \approx 100 \text{ K}$ . $T_{\text{X}} \approx 100 \text{ K}$ . $T_{\text{Y}} \approx 100 \text{ K}$ . $T_{\text{Z}} \approx 100 \text{ K}$ . $T_{\text{AA}} \approx 100 \text{ K}$ . $T_{\text{BB}} \approx 100 \text{ K}$ . $T_{\text{CC}} \approx 100 \text{ K}$ . $T_{\text{DD}} \approx 100 \text{ K}$ . $T_{\text{EE}} \approx 100 \text{ K}$ . $T_{\text{FF}} \approx 100 \text{ K}$ . $T_{\text{GG}} \approx 100 \text{ K}$ . $T_{\text{HH}} \approx 100 \text{ K}$ . $T_{\text{II}} \approx 100 \text{ K}$ . $T_{\text{JJ}} \approx 100 \text{ K}$ . $T_{\text{KK}} \approx 100 \text{ K}$ . $T_{\text{LL}} \approx 100 \text{ K}$ . $T_{\text{MM}} \approx 100 \text{ K}$ . $T_{\text{NN}} \approx 100 \text{ K}$ . $T_{\text{OO}} \approx 100 \text{ K}$ . $T_{\text{PP}} \approx 100 \text{ K}$ . $T_{\text{QQ}} \approx 100 \text{ K}$ . $T_{\text{RR}} \approx 100 \text{ K}$ . $T_{\text{SS}} \approx 100 \text{ K}$ . $T_{\text{TT}} \approx 100 \text{ K}$ . $T_{\text{UU}} \approx 100 \text{ K}$ . $T_{\text{VV}} \approx 100 \text{ K}$ . $T_{\text{WW}} \approx 100 \text{ K}$ . $T_{\text{XX}} \approx 100 \text{ K}$ . $T_{\text{YY}} \approx 100 \text{ K}$ . $T_{\text{ZZ}} \approx 100 \text{ K}$ . $T_{\text{AA}} \approx 100 \text{ K}$ . $T_{\text{BB}} \approx 100 \text{ K}$ . $T_{\text{CC}} \approx 100 \text{ K}$ . $T_{\text{DD}} \approx 100 \text{ K}$ . $T_{\text{EE}} \approx 100 \text{ K}$ . $T_{\text{FF}} \approx 100 \text{ K}$ . $T_{\text{GG}} \approx 100 \text{ K}$ . $T_{\text{HH}} \approx 100 \text{ K}$ . $T_{\text{II}} \approx 100 \text{ K}$ . $T_{\text{JJ}} \approx 100 \text{ K}$ . $T_{\text{KK}} \approx 100 \text{ K}$ . $T_{\text{LL}} \approx 100 \text{ K}$ . $T_{\text{MM}} \approx 100 \text{ K}$ . $T_{\text{NN}} \approx 100 \text{ K}$ . $T_{\text{OO}} \approx 100 \text{ K}$ . $T_{\text{PP}} \approx 100 \text{ K}$ . $T_{\text{QQ}} \approx 100 \text{ K}$ . $T_{\text{RR}} \approx 100 \text{ K}$ . $T_{\text{SS}} \approx 100 \text{ K}$ . $T_{\text{TT}} \approx 100 \text{ K}$ . $T_{\text{UU}} \approx 100 \text{ K}$ . $T_{\text{VV}} \approx 100 \text{ K}$ . $T_{\text{WW}} \approx 100 \text{ K}$ . $T_{\text{XX}} \approx 100 \text{ K}$ . $T_{\text{YY}} \approx 100 \text{ K}$ . $T_{\text{ZZ}} \approx 100 \text{ K}$ .	1.2	16
70	Antiferromagnetism in the ordered subsystem of Cr ions intercalated into titanium diselenide. Journal of Physics Condensed Matter, 2005, 17, 5255-5262.	1.8	16
71	Short-range charge ordering in $\text{Ho}_{0.1}\text{Sr}_{0.9}\text{CoO}_3$ ( $0.15 \leq x \leq 0.49$ ). Physical Review B, 2006, 73, .	3.2	16
72	Pressure effects on crystal structure, magnetic and transport properties of layered perovskite. Physica B: Condensed Matter, 2006, 378-380, 537-538.	2.7	16

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73	Irreversibility of the magnetic state of $Tm_{1-x}Tb_xCo_2$ revealed by specific heat, electrical resistivity, and neutron diffraction measurements. <i>Physical Review B</i> , 2006, 73, .	3.2	16
74	Pseudogap of the high-temperature superconductor $La_{1.96-x}Sr_xHo_{0.04}CuO_4$ as observed by neutron crystal-field spectroscopy. <i>Physical Review B</i> , 2006, 74, .	3.2	16
75	High-field magnetization and magnetic structure of $Tb_3Co$ . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 326213.	1.8	16
76	Possible reappearance of the charge density wave transition in $MxTiSe_2$ compounds intercalated with 3d metals. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 016005.	1.8	16
77	Phases of superfluid helium in smooth cylindrical pores. <i>Physical Review B</i> , 2013, 88, .	3.2	16
78	Field-induced magnetic phase transitions and metastable states in $Tb_{3-x}Mn_x$ . <i>Physical Review B</i> , 2018, 97, .	3.2	16
79	Magnetic transition in $Er_{1-x}Y_xCo_2$ ( $x=0,0.4$ ) single crystals probed by neutron scattering in magnetic fields. <i>Physical Review B</i> , 2002, 66, .	3.2	15
80	New magnetic structure study of $TbNi_5$ : Evidence of incommensurate structure. <i>Europhysics Letters</i> , 2003, 62, 350-356.	2.0	15
81	Ni intercalation of titanium diselenide: effect on the lattice, specific heat and magnetic properties. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 9243-9258.	1.8	15
82	Magnetic properties of the $S=12$ quasisquare lattice antiferromagnet $CuF_2(H_2O)_2(py_2)$ ( $py_2=pyrazine$ ) investigated by neutron scattering. <i>Physical Review B</i> , 2012, 86, .	3.2	15
83	Spin dynamics in pressure-induced magnetically ordered phases in $TjETQq_1$ . <i>Physical Review B</i> , 2015, 92, .	3.2	15
84	Tunable emergent heterostructures in a prototypical correlated metal. <i>Nature Physics</i> , 2018, 14, 456-460.	16.7	15
85	Neutron-diffraction investigation of the metamagnetic transition in $ErCo_2$ . <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s598-s600.	2.3	14
86	Primary crystallization fields, growth features and properties of rare earth and barium-based cobaltates. <i>Journal of Crystal Growth</i> , 2005, 275, e813-e818.	1.5	14
87	Superstructure formation at the metal-insulator transition in $RBaCo_2O_{5.5}$ ( $R=Nd,Tb$ ) as seen from reciprocal space mapping. <i>Physical Review B</i> , 2008, 78, .	3.2	14
88	Inelastic neutron scattering studies on the odd-membered antiferromagnetic wheel $Cr_8Ni$ . <i>Physical Review B</i> , 2012, 86, .	3.2	14
89	Incommensurability and spin dynamics in the low-temperature phases of $Ni_3VO_2$ . <i>Physical Review B</i> , 2015, 92, .	3.2	14
90	Gradual pressure-induced enhancement of magnon excitations in $CeCoSi$ . <i>Physical Review B</i> , 2020, 101, .	3.2	14

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91	Pressure Effect on the Boson Peak in Deeply Cooled Confined Water: Evidence of a Liquid-Liquid Transition. <i>Physical Review Letters</i> , 2015, 115, 235701. Momentum-space structure of quasielastic spin fluctuations in $\text{Ce}$	7.8	13
92	$3\text{Pd}$ compounds	3.2	13
93	$\text{Gk}$		

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109	Field-Angle-Resolved Magnetic Excitations as a Probe of Hidden-Order Symmetry in CeB6. Physical Review X, 2020, 10, .	8.9	10
110	Layered Cobaltites: Synthesis, Oxygen Nonstoichiometry, Transport and Magnetic Properties. Acta Physica Polonica A, 2007, 111, 7-14.	0.5	10
111	Neutron scattering studies of crystal structure and crystalline electric field in high-Tc ErBa2Cu3Ox disordered by fast neutron irradiation. Physica C: Superconductivity and Its Applications, 1992, 200, 337-343.	1.2	9
112	Specific features of the structure, magnetic properties, and heat capacity of intercalated compounds Cr x TiSe2. Physics of the Solid State, 2009, 51, 933-939.	0.6	9
113	Spin excitations in cubic maghemite nanoparticles studied by time-of-flight neutron spectroscopy. Physical Review B, 2014, 89, .	3.2	9
114	Magnetic field dependence of the neutron spin resonance in CeB6. Physical Review B, 2016, 94, .	3.2	9
115	Manganese tetraphenylporphyrin bromide and iodide. Studies of structures and magnetic properties. Polyhedron, 2020, 184, 114488.	2.2	9
116	Molecular dynamics in ammonium dihydrogen phosphate using incoherent neutron scattering. Chemical Physics, 2007, 335, 233-241.	1.9	8
117	Anisotropic magnetic field responses of ferroelectric polarization in the trigonal multiferroic $\text{CuFe}^{3,2}\text{Mn}^{8,1}$ . Physical Review B, 2010, 81, .	3.2	8
118	A detailed study of the magnetic phase transition in $\text{CuCrO}_2$ . Journal of Physics Condensed Matter, 2013, 25, 496009.	1.8	8
119	Effect of Hydration on the Molecular Dynamics of Hydroxychloroquine Sulfate. ACS Omega, 2020, 5, 21231-21240.	3.5	8
120	Low-energy spin dynamics in rare-earth perovskite oxides. Journal of Physics Condensed Matter, 2021, 33, 403001.	1.8	8
121	Neutron diffraction study of the structure of the A15-type deuteride Ti3SbD2.6. Journal of Alloys and Compounds, 1994, 210, 27-29.	5.5	7
122	Crystal-field spectrum in RBa2Cu3Ox (R = Er, Ho) high-Tc superconductors: evidence for charge order in CuO2 planes. Journal of Physics Condensed Matter, 1999, 11, 7155-7173.	1.8	7
123	Studies of single crystal ErCo2 under pressure and magnetic field. Physica B: Condensed Matter, 2003, 329-333, 653-654.	2.7	7
124	Isotope, pressure, and doping effects on the pseudogap in the LSCO-type compounds studied by neutron spectroscopy. Physica C: Superconductivity and Its Applications, 2004, 408-410, 773-774.	1.2	7
125	Commensurate to incommensurate phase transition in TbNi5. Journal of Magnetism and Magnetic Materials, 2006, 300, e411-e414.	2.3	7
126	Pressure effect on the pseudogap in the optimally doped high-temperature superconductor La 1.81 Sr 0.15 Ho 0.04 Cu 16 O 4. Europhysics Letters, 2006, 73, 260-266.	2.0	7



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127	Diffusion processes in water on oxide surfaces: Quasielastic neutron scattering study of hydration water in rutile nanopowder. <i>Physical Review E</i> , 2011, 84, 031505.	2.1	7
128	Pressure effect on hydrogen tunneling and vibrational spectrum in $\text{Mn}^{1\pm}$ . <i>Physical Review B</i> , 2016, 94, .	3.2	7
129	Observation of soft phonon mode in $\text{TbFeO}_3$ by inelastic neutron scattering. <i>Physical Review B</i> , 2018, 97, .	3.2	7
130	Ice Ih revisited: No proton tunneling observed in a quasielastic neutron scattering experiment. <i>Physical Review B</i> , 2018, 98, .	3.2	7
131	Spin-coupling topology in the copper hexamer compounds $\text{A}_2\text{O} \cdot \text{SO}_4$ . <i>Physical Review B</i> , 2020, 101, .	3.2	7
132	Phase diagram of $\text{YbZnGaO}_4$ in applied magnetic field. <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	7
133	Effect of oxygen nonstoichiometry on structural and magnetic properties of $\text{Ho}_{0.1}\text{Sr}_{0.9}\text{CoO}_{3-x}$ perovskites ( $0.15 \leq x \leq 0.49$ ). <i>Physica B: Condensed Matter</i> , 2004, 350, E281-E284.	2.7	6
134	Sub-liquidus co-crystallization in the $\text{Ln}_2\text{O}_3\text{-BaO-CoO}$ system: growth of large $\text{LnBaCo}_2\text{O}_{5+x}$ ( $\text{Ln}=\text{Eu}$ ). <i>Journal of Solid State Chemistry</i> , 2007, 177, 100-106.	1.5	6
135	Multi-step magnetic ordering in frustrated thiospinel $\text{MnSc}_2\text{S}_4$ . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 145262.	1.8	6
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