

Ekaterina Pomjakushina

List of Publications by Year in descending order

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257
papers

7,543
citations

53794

45
h-index

74163

75
g-index

262
all docs

262
docs citations

262
times ranked

7747
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and crystal growth of $\text{Cs}_{0.8}(\text{FeSe}_{0.98})_2$: a new iron-based superconductor with $T_c = 27$ K. Journal of Physics Condensed Matter, 2011, 23, 052203.	1.8	272
2	Observation of Weyl nodes and Fermi arcs in tantalum phosphide. Nature Communications, 2016, 7, 11006.	12.8	264
3	Spin-State Transition in LaCoO_3 : Direct Neutron Spectroscopic Evidence of Excited Magnetic States. Physical Review Letters, 2006, 97, 247208.	7.8	222
4	Direct observation of the spin texture in Sb_2Te_3 as evidence of the topological Kondo insulator. Nature Communications, 2014, 5, 4566.	12.8	193
5	Surface and bulk electronic structure of the strongly correlated system SmB_6 and implications for a topological Kondo insulator. Physical Review B, 2013, 88, .	3.2	179
6	Pressure Induced Static Magnetic Order in Superconducting FeSe . Physical Review Letters, 2010, 104, 087003.	7.8	176
7	Optical properties of FeSe under high pressure. Physical Review B, 2008, 77, .	3.2	168
8	Coexistence of Magnetism and Superconductivity in the Iron-Based Compound $\text{Cs}_{0.8}(\text{FeSe}_{0.98})_2$. Physical Review Letters, 2011, 106, 117602.	7.8	163
9	Synthesis, crystal structure, and chemical stability of the superconductor $\text{FeSe}_{1-x}\text{Te}_x$. Physical Review B, 2009, 80, .	3.2	137
10	Coexistence of superconductivity and magnetism in $\text{FeSe}_{1-x}\text{Te}_x$ under pressure. Physical Review B, 2012, 85, .	3.2	130
11	Tunable conductivity threshold at polar oxide interfaces. Nature Communications, 2012, 3, 932.	12.8	121
12	Electrical conductivity of the proton conductor $\text{BaZr}_{0.9}\text{Y}_{0.1}\text{O}_{3-\delta}$ obtained by high temperature annealing. Solid State Ionics, 2007, 178, 1437-1441.	2.7	119
13	Anisotropic superconducting properties of single-crystalline $\text{FeSe}_{1-x}\text{Te}_x$. Physical Review B, 2010, 81, .	3.2	119
14	Coexistence of incommensurate magnetism and superconductivity in $\text{Fe}_{1-x}\text{Te}_x$. Physical Review B, 2009, 80, .	3.2	114
15	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological kagome magnet. Nature Communications, 2020, 11, 559.	12.8	112
16	Oxygen content determination in perovskite-type cobaltates. Materials Research Bulletin, 2005, 40, 257-263.	5.2	102
17	Evidence of nodeless superconductivity in $\text{FeSe}_{0.85}\text{Te}_{0.15}$ from a muon-spin-rotation study of the in-plane magnetic penetration depth. Physical Review B, 2008, 78, .	3.2	100
18	Topological Magnetic Phase in the Candidate Weyl Semimetal CeAlGe . Physical Review Letters, 2020, 124, 017202.	7.8	99

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19	Spin structure and magnetic phase transitions in TbBaCo ₂ O _{5.5} . Physical Review B, 2005, 71, .	3.2	98
20	Evolution of Two-Gap Behavior of the Superconductor $\text{FeSe}_{1-x}\text{Te}_x$. Physical Review Letters, 2010, 104, 087004.	7.8	97
21	Tuning the superconducting and magnetic properties of $\text{Fe}_y\text{Te}_{1-y}$ by varying the iron content. Physical Review B, 2010, 82, .	3.2	94
22	High-temperature order-disorder transition and polaronic conductivity in PrBaCo ₂ O _{5.48} . Physical Review B, 2006, 73, .	3.2	93
23	Iron-vacancy superstructure and possible room-temperature antiferromagnetic order in superconducting Cs ₂ Fe ₂ Te ₂ . Physical Review Letters, 2008, 101, 247603.	3.2	88
24	Synthesis of a new alkali metal-organic solvent intercalated iron selenide superconductor with $T_c \approx 45$ K. Journal of Physics Condensed Matter, 2012, 24, 382202.	1.8	88
25	Magnetism and anomalous transport in the Weyl semimetal PrAlGe: possible route to axial gauge fields. Npj Quantum Materials, 2020, 5, .	5.2	78
26	Spin-State Polarons in Lightly-Hole-Doped LaCoO_3 . Physical Review Letters, 2008, 101, 247603.	7.8	76
27	4-spin plaquette singlet state in the Shastry-Sutherland compound SrCu ₂ (BO ₃) ₂ . Nature Physics, 2017, 13, 962-966.	16.7	75
28	Evidence for the band ferromagnetism in SrRuO ₃ from neutron diffraction. Journal of Magnetism and Magnetic Materials, 2006, 305, 491-496.	2.3	69
29	Time-Reversal Symmetry Breaking in Re-Based Superconductors. Physical Review Letters, 2018, 121, 257002.	7.8	67
30	Iron isotope effect on the superconducting transition temperature and the crystal structure of $\text{FeSe}_{1-x}\text{Te}_x$. New Journal of Physics, 2010, 12, 073024.	2.9	64
31	Superconductivity in a new layered bismuth oxyselenide: $\text{LaO}_{0.5}\text{F}_{0.5}\text{BiSe}_2$. Journal of Physics Condensed Matter, 2014, 26, 215702.	1.8	62
32	Two-Dimensional Orbital-Like Magnetic Order in the High-Temperature LaCoO_3 . Physical Review Letters, 2010, 105, 027004.	7.8	61
33	$\text{A}_x\text{Fe}_{1-x}\text{Te}$. Physical Review Letters, 2010, 105, 027004.	3.2	61
34	Low-temperature spin-state transition in LaCoO_3 investigated using resonant x-ray absorption at the Co K-edge. Physical Review B, 2006, 73, .	3.2	60
35	Ion Diffusion Inherently Linked to Structural Transitions in Na_xCoO_2 . Physical Review Letters, 2010, 105, 027004.	7.8	59
36	Intrinsic electrical properties of LuFe_2O_7 . Physical Review B, 2013, 88, .	3.2	54

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37	Correlation between Oxygen Vacancies and Oxygen Evolution Reaction Activity for a Model Electrode: PrBaCo ₂ O _{5+δ} . Angewandte Chemie - International Edition, 2021, 60, 14609-14619.	13.8	54
38	Effect of oxygen ordering on the structural and magnetic properties of the layered perovskites PrBaCo ₂ O _{5+δ} . Journal of Physics Condensed Matter, 2005, 17, 3317-3324.	1.8	52
39	Microscopic Evidence of Spin State Order and Spin State Phase Separation in Layered Cobaltites R ₂ Ti ₂ O ₇ (R = Y, Tb, Dy, and Ho). Physical Review B, 2016, 94, .	3.2	52
40	Crystal-field parameters of the rare-earth pyrochlores R ₂ Ti ₂ O ₇ (R = Tb, Dy, and Ho). Physical Review B, 2016, 94, .	3.2	50
41	Microstructural analysis of phase separation in iron chalcogenide superconductors. Superconductor Science and Technology, 2012, 25, 084023.	7.8	49
42	Microstructural analysis of phase separation in iron chalcogenide superconductors. Superconductor Science and Technology, 2012, 25, 084023.	3.5	49
43	A quantum magnetic analogue to the critical point of water. Nature, 2021, 592, 370-375.	27.8	49
44	Inelastic neutron scattering studies of YFeO ₃ . Physical Review B, 2014, 89, .	1.2	46
45	Orbital order-disorder transition with volume collapse in HoBaCo ₂ O _{5.5} : A high-resolution neutron diffraction study. Physical Review B, 2006, 73, .	3.2	45
46	The synthesis, and crystal and magnetic structure of the iron selenide BaFe ₂ Se ₃ with possible superconductivity at T _c = 11 K. Journal of Physics Condensed Matter, 2011, 23, 402201.	1.8	43
47	Exotic Kondo crossover in a wide temperature region in the topological Kondo insulator SmB ₆ revealed by high-resolution ARPES. Physical Review B, 2014, 90, .	3.2	43
48	Direct Observation of Charge Order and an Orbital Glass State in Multiferroic BiFeO ₃ . Physical Review Letters, 2009, 102, 077202.	7.8	42
49	Raman response of the topological insulator Bi ₂ Te ₃ . Physical Review B, 2011, 84, .	3.2	42
50	Tuning magnetic spirals beyond room temperature with chemical disorder. Nature Communications, 2016, 7, 13758.	12.8	42
51	Oxygen Isotope Effects on the Superconducting Transition and Magnetic States Within the Phase Diagram of Y _{1-x} Pr _x Ba ₂ Cu ₃ O _{7-δ} . Physical Review Letters, 2008, 101, 077001.	7.8	41
52	Room temperature antiferromagnetic order in superconducting X ₂ Fe ₂ Se ₃ (X = Rb, K): a neutron powder diffraction study. Journal of Physics Condensed Matter, 2011, 23, 156003.	1.8	41
53	Global Formation of Topological Defects in the Multiferroic Hexagonal Manganites. Physical Review X, 2017, 7, .	8.9	40
54	Oxygen isotope effect on metal-insulator transition in layered cobaltites R ₂ BaCo ₂ O _{5.5} (R = Pr, Dy, Ho). Physical Review B, 2011, 84, .	1.8	39

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55	Incommensurate magnetic structure, Fe/Cu chemical disorder, and magnetic interactions in the high-temperature multiferroic YBaCuFeO	3.2	39
56	Evidence of a Coulomb-Interaction-Induced Lifshitz Transition and Robust Hybrid Weyl Semimetal in $\text{Te}_{1-x}\text{Se}_x$	7.8	37
57	Z3-vestigial nematic order due to superconducting fluctuations in the doped topological insulators NbxBi2Se3 and CuxBi2Se3 . Nature Communications, 2020, 11, 3056.	12.8	35
58	Magnetic excitations of $\text{Fe}_{1-x}\text{Se}_x\text{Te}$ in magnetic and superconductive phases. Journal of Physics Condensed Matter, 2010, 22, 142202.	1.8	33
59	Crystal structure and phonon softening in $\text{Ca}_{3-x}\text{Sr}_x\text{FeAs}_2$	3.3	33
60	Spin-wave excitations and superconducting resonant mode in CsFeTe	3.2	32
61	Spin anisotropy of the resonance peak in superconducting FeSe	3.2	32
62	Decoupled spin dynamics in the rare-earth orthoferrite $\text{Te}_{0.5}\text{Fe}_{0.5}$	3.2	31
63	Evolution of magnetic excitations through the spin-reorientation transition. Physical Review B, 2018, 98, 080401	3.2	31
64	Bulk single-crystal growth of the theoretically predicted magnetic Weyl semimetals RAlGe ($\text{R} = \text{Fe}, \text{Co}$)	3.2	31
65	Superconductivity and topological aspects of the rocksalt carbides NbC and TaC . Physical Review B, 2020, 101, 080401	3.2	30
66	Muon spin rotation investigation of the pressure effect on the magnetic penetration depth in $\text{YBaCu}_2\text{O}_{7-x}$	3.2	29
67	First-principles calculation and experimental investigation of lattice dynamics in the rare-earth pyrochlores R_2O_7	3.2	29
68	First-principles calculation and experimental investigation of lattice dynamics in the rare-earth pyrochlores R_2O_7		

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73	Resonant soft x-ray powder diffraction study to determine the orbital ordering in A-site-ordered $\text{SmBaMn}_2\text{O}_6$. Physical Review B, 2009, 77, .	3.2	27
74	Pressure-induced ferromagnetism in antiferromagnetic FeTe . Physical Review B, 2013, 87, .	3.2	27
75	Low-temperature magnetic fluctuations in the Kondo insulator SmB_6 . Physical Review B, 2014, 89, .	3.2	27
76	Fully gapped superconductivity in the topological superconductor Bi_2Te_3 . Physical Review B, 2016, 93, .	3.2	27
77	Distinct Evolutions of Weyl Fermion Quasiparticles and Fermi Arcs with Bulk Band Topology in Weyl Semimetals. Physical Review Letters, 2017, 118, 106406.	7.8	27
78	Pauling Entropy, Metastability, and Equilibrium in DyO_7 . Physical Review Letters, 2017, 118, 057201.	7.8	27
79	Pressure-Induced CaSi_2O_7 and Antiferromagnetism in multiferroic LuFeO_3 . Physical Review B, 2016, 93, 040407.	3.2	26
80	Temperature-dependent electron-phonon coupling in LaSrCuO . Physical Review B, 2016, 93, 040407.	3.2	26
81	Oxynitride Thin Films versus Particle-Based Photoanodes: A Comparative Study for Photoelectrochemical Solar Water Splitting. ACS Applied Energy Materials, 2019, 2, 754-763.	5.1	26
82	Magnetic properties of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ ($x = 0.15$ and 0.3). Journal of Physics Condensed Matter, 2004, 16, 7313-7320.	1.8	25
83	Direct Observation of Impurity-Induced Magnetism in a Spin- $1/2$ Antiferromagnetic Heisenberg Two-Leg Spin Ladder. Physical Review Letters, 2010, 105, 067203.	7.8	25
84	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
85	Crystal structure of BaFe_2Se_3 as a function of temperature and pressure: phase transition phenomena and high-order expansion of Landau potential. Journal of Physics Condensed Matter, 2013, 25, 315403.	1.8	25
86	Trivial topological phase of CaAgP and the topological nodal-line transition in CaAgP . Physical Review B, 2016, 93, 040407.	3.2	25
87	Superconductivity and magnetism in RbFeS_2 . Physical Review B, 2016, 93, 040407.	3.2	24
88	Wet milling versus co-precipitation in magnetite ferrofluid preparation. Journal of the Serbian Chemical Society, 2015, 80, 367-376.	0.8	24
89	Evidence for strong lattice effects as revealed from huge unconventional oxygen isotope effects on the pseudogap temperature in LaFeAsO . Physical Review B, 2017, 95, .	3.2	24
90	Spin fluctuations in the stacked-triangular antiferromagnet YMnO_3 . JETP Letters, 2005, 81, 287-291.	1.4	23

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109	Oxygen order-disorder phase transition in PrBaCo ₂ O _{5.48} at high temperature. Physica B: Condensed Matter, 2006, 378-380, 539-540.	2.7	19
110	Effect of light Sr doping on the spin-state transition in. Journal of Magnetism and Magnetic Materials, 2007, 310, 1552-1554.	2.3	19
111	Chemical and hydrostatic-pressure effects on the Kitaev honeycomb material $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{Na} \langle \text{mml:mi} \rangle \langle \text{mml:mns} \langle \text{mml:mn} \rangle \langle \text{mml:mno} \rangle \langle \text{mml:mtext} \rangle \text{Physical Review B, 2018, 98, .}$	3.2	19
112	Reduction of the ordered magnetic moment in YMnO ₃ with hydrostatic pressure. Journal of Physics Condensed Matter, 2005, 17, L425-L430.	1.8	18
113	Putative spin-nematic phase in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{BaCdVO} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mno} \rangle \langle \text{mml:mtext} \rangle \text{Physical Review B, 2019, 100, .}$	1.8	18
114	Electron-phonon-driven three-dimensional metallicity in an insulating cuprate. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6409-6416.	7.1	18
115	Crystal growth features and properties of layered rare earth and barium cobaltates. Crystal Research and Technology, 2005, 40, 395-399.	1.3	17
116	Magnetic excitations in the spin-trimer compounds Ca ₃ Cu ₃ Ni _x (PO ₄) ₄ (x=0,1,2). Physical Review B, 2007, 76, .	3.2	17
117	Electron hole-phonon interaction, correlation of structure, and conductivity in single crystal La _{0.9} Sr _{0.1} FeO ₃ . Applied Physics Letters, 2008, 93, .	3.3	17
118	Orbital and magnetic ordering in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mtext} \rangle \text{Pr} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mns} \langle \text{mml:mn} \rangle \langle \text{mml:mno} \rangle \langle \text{mml:mtext} \rangle \text{Physical Review B, 2009, 79, .}$	3.2	17
119	Pressure cycle of superconducting Cs _{0.8} Fe ₂ Se ₂ : A transport study. Solid State Communications, 2011, 151, 747-750.	1.9	17
120	Correlated Decay of Triplet Excitations in the Shastry-Sutherland Compound $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mtext} \text{mathvariant="bold"} \rangle \text{SrCu} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mns} \langle \text{mml:mn} \rangle \langle \text{mml:mno} \rangle \langle \text{mml:mtext} \rangle \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{BO} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mns} \langle \text{mml:mn} \rangle \langle \text{mml:mno} \rangle \langle \text{mml:mtext} \rangle \text{Physical Review B, 2017, 96, .}$	3.2	17
121	Interplay of Fe and Tm moments through the spin-reorientation transition in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{TmFe} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mns} \langle \text{mml:mn} \rangle \langle \text{mml:mno} \rangle \langle \text{mml:mtext} \rangle \text{Physical Review B, 2017, 96, .}$	3.2	17
122	Short-range charge ordering in Ho _{0.1} Sr _{0.9} Co ₃ x (0.15 ≤ x ≤ 0.49). Physical Review B, 2006, 73, .	3.2	16
123	Pressure effects on crystal structure, magnetic and transport properties of layered perovskite. Physica B: Condensed Matter, 2006, 378-380, 537-538.	2.7	16
124	Pseudogap of the high-temperature superconductor La _{1.96} Sr _x Ho _{0.04} CuO ₄ as observed by neutron crystal-field spectroscopy. Physical Review B, 2006, 74, .	3.2	16
125	Orbital Order at Mn and O Sites and Absence of Zener Polaron Formation in Manganites. Physical Review Letters, 2009, 103, 097205.	7.8	16
126	Lead-gold eutectic: An alternative liquid target material candidate for high power spallation neutron sources. Journal of Nuclear Materials, 2011, 411, 72-82.	2.7	16

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127	Phase coexistence in $\text{Ca}_{1-x}\text{Sr}_x\text{Fe}_2\text{As}_2$. Physical Review B, 2013, 88, .	3.2	16
128	Interplay of electronic and lattice degrees of freedom in $\text{A}1\text{A}^{\sim}\text{xFe}_2\text{A}^{\sim}\text{ySe}_2$ superconductors under pressure. Physical Review B, 2013, 88, .	3.2	16
130	Probing the electron-phonon interaction in correlated systems with coherent lattice fluctuation spectroscopy. Physical Review B, 2015, 92, .	3.2	16
131	Electronic localization in CaVO_3 films via bandwidth control. Npj Quantum Materials, 2019, 4, .	5.2	16
132	Analysis of local chemical and structural inhomogeneities in $\text{Fe}_{1-y}\text{Te}_{1-x}\text{Se}_x$ single crystals. Applied Physics Letters, 2011, 99, .	3.3	15
133	Quantum and thermal ionic motion, oxygen isotope effect, and superexchange distribution in $\text{La}_{2-x}\text{CuO}_4$. Physical Review B, 2008, 78, .	3.2	15
134	Anisotropic character of the metal-insulator transition in CuO . Physical Review B, 2008, 78, .	3.2	15
135	Superstructure formation at the metal-insulator transition in $\text{RBaCo}_2\text{O}_{5.5}$ ($R=\text{Nd}, \text{Tb}$) as seen from reciprocal space mapping. Physical Review B, 2008, 78, .	3.2	14
136	Single crystals of novel alkali metal intercalated iron chalcogenide superconductors. Journal of Crystal Growth, 2012, 360, 155-157.	1.5	14
137	Spin-gap evolution upon Ca doping in the spin-ladder series $\text{Sr}_{14-x}\text{Ca}_x\text{Cu}_2\text{O}_4$ studied by inelastic neutron scattering. Physical Review B, 2013, 88, .	3.2	14
138	Pressure Effects in the Iron Chalcogenides. Journal of Superconductivity and Novel Magnetism, 2014, 27, 965-968.	1.8	14
139	Suppression of magnetic excitations near the surface of the topological Kondo insulator SmB_6 . Physical Review B, 2017, 95, .	3.2	14
140	$\text{Re}_{1-x}\text{Mox}$ as an ideal test case of time-reversal symmetry breaking in unconventional superconductors. Npj Quantum Materials, 2020, 5, .	5.2	14
141	Structure and superconductivity in the binary $\text{Re}_{1-x}\text{Cu}_x$ alloys. Physical Review Materials, 2019, 3, .	5.2	14
142	Spin-triplet superconductivity in Weyl nodal-line semimetals. Npj Quantum Materials, 2022, 7, .	5.2	14
143	Crystal and magnetic structures of the spin-trimer compounds $\text{Ca}_{1-x}\text{Cu}_x\text{Fe}_2\text{As}_2$. Physical Review B, 2022, 105, .	5.2	14

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145	High oxygen pressure single crystal growth of highly Ca-doped spin ladder compound $\text{Sr}_{14-x}\text{Ca}_x\text{Cu}_{24}\text{O}_{41}$ ($x > 12$). <i>Journal of Crystal Growth</i> , 2011, 327, 182-188. Thermal properties of layered cobaltites	1.5	13
146	BaCo_2O_7 Negative Oxygen Isotope Effect on the Static Spin Stripe Order in Superconducting $\text{La}_{1-x}\text{Sr}_x\text{Cu}_2\text{O}_7$	3.2	13
147	LaCu_2O_7 Spin triplet ground state in the copper hexamer compounds	7.8	13
148	Temperature dependence of the pressure induced monoclinic distortion in the spin Sutherland compound $\text{SrCu}_2(\text{BO}_3)_2$. <i>Solid State Communications</i> , 2014, 186, 13-17.	1.9	13
149	$\text{Cu}_3\text{O}(\text{OH})_2$		

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163	Cooperative coupling of static magnetism and bulk superconductivity in the stripe phase of $\text{La}_{1-x}\text{Ce}_x\text{CuO}_2$: Pressure- and doping-dependent studies. Physical Review B, 2016, 94, .	3.2	10
164	Revealing three-dimensional quantum criticality by Sr substitution in Han purple. Physical Review Research, 2021, 3, .	3.6	10
165	Multigap superconductivity in the Mo_5Pb_2 boron phosphorus compound. New Journal of Physics, 2020, 22, 093016.	2.9	10
166	Layered Cobaltites: Synthesis, Oxygen Nonstoichiometry, Transport and Magnetic Properties. Acta Physica Polonica A, 2007, 111, 7-14.	0.5	10
167	Magnetic properties of the layered cobaltite. Physica B: Condensed Matter, 2009, 404, 765-768.	2.7	9
168	Probing the Yb^{3+} spin relaxation in $\text{Y}_0.98\text{Yb}_{0.02}\text{Ba}_2\text{Cu}_3\text{O}_x$ by electron paramagnetic resonance. Physical Review B, 2009, 79, .	3.2	9
169	Dispersive x-ray absorption studies at the Fe K-edge on the iron chalcogenide superconductor FeSe under pressure. Journal of Physics Condensed Matter, 2013, 25, 425704.	1.8	9
170	Development of magnetism in the solid solution of $\text{Ce}_{1-x}\text{Th}_x\text{O}_2$: From magnetic topology to spin glass. Physical Review B, 2020, 101, .	3.2	9
171	Mixed state of $\text{La}_{1.83}\text{Sr}_{0.17}\text{CuO}_4$ studied by means of muon-spin rotation and magnetization experiments in a low magnetic field. Physical Review B, 2011, 84, .	3.2	8
172	Magnetic-field tuned anisotropy in superconducting $\text{Rb}_x\text{Fe}_{1-x}\text{Se}$. Physical Review B, 2012, 86, .	3.2	8
173	Evolution of charge order through the magnetic phase transition of LuFe_2O_4 . Physical Review B, 2012, 86, .	3.2	8
174	Determination of the sequence and magnitude of charge order in LuFe_2O_4 by resonant x-ray scattering. Physical Review B, 2014, 90, .	3.2	8
175	Depth dependence of the ionization energy of shallow hydrogen states in ZnO and CdS. Physical Review B, 2014, 90, .	3.2	8
176	Dynamics across the structural transitions at elevated temperatures in $\text{Na}_{0.7}\text{CoO}_2$. EPJ Web of Conferences, 2015, 83, 02008.	0.3	8
177	Complementary Response of Static Spin-Stripe Order and Superconductivity to Nonmagnetic Impurities in Cuprates. Physical Review Letters, 2017, 119, 087002.	7.8	8
178	Standard and sample preparation for the micro XRF quantification of chlorides in hardened cement pastes. Microchemical Journal, 2018, 141, 382-387.	4.5	8
179	Multigap superconductivity in centrosymmetric and noncentrosymmetric rhenium-boron superconductors. Physical Review B, 2021, 103, .	3.2	8
180	Scavenging of oxygen vacancies at modulation-doped oxide interfaces: Evidence from oxygen isotope tracing. Physical Review Materials, 2017, 1, .	2.4	8

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181	Large single crystals of LnBaCo ₂ O _{5.5} : Initial nucleation, growth and study. Journal of Crystal Growth, 2008, 310, 1867-1874. Spin-lattice interaction in the insulator-to-metal transition of GdBaCo ₂ O _{5.5}	1.5	7
182	Spin-lattice interaction in the insulator-to-metal transition of GdBaCo ₂ O _{5.5} Physical Review B, 2011, 84, .	3.2	7
183	Superconductivity on a Crossover Phenomenon of Spinâ€“Ladder System SrCa ₁₃ Cu ₂₄ O ₄₁ Single Crystals. Journal of the Physical Society of Japan, 2014, 83, 073703.	1.6	7

184	Incommensurate magnetic order in a quasicubic structure of the double-perovskite compound Sr ₂ NiIrO ₆ . Physical Review B, 2017, 95, .	3.2	7
185	Spin-coupling topology in the copper hexamer compounds Physical Review B, 2020, 101, .		
186	Interdependent scaling of long-range oxygen and magnetic ordering in nonstoichiometric Physical Review Materials, 2021, 5, .		
187	Relations driven by oxygen doping in Physical Review B, 2021, 103, .		

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199	Magnetic properties of Mn-doped Bi ₂ Se ₃ compound: temperature dependence and pressure effects. Journal of Physics Condensed Matter, 2015, 27, 456002.	1.8	6
200	Magnetism of BaFe ₂ Se ₃ studied by Mössbauer spectroscopy. Solid State Communications, 2015, 207, 5-8.	1.9	6
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