

Ekaterina Pomjakushina

List of Publications by Year in descending order

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papers

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53794

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262
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times ranked

7747
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal spin-glass behaviour in bulk LaNiO_2 , PrNiO_2 and NdNiO_2 . <i>New Journal of Physics</i> , 2022, 24, 013022.	2.9	22
2	Spin-triplet superconductivity in Weyl nodal-line semimetals. <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	14
3	Spin-phonon and magnetoelectric coupling in oxygen-isotope substituted TbMnO_3 investigated by Raman scattering. <i>Physical Review B</i> , 2022, 105, .	5.2	14
4	Competing Magnetic Phases in LnSbTe ($\text{Ln} = \text{Ho}$ and Tb). <i>Inorganic Chemistry</i> , 2022, 61, 11399-11409.	4.0	6
5	A quantum magnetic analogue to the critical point of water. <i>Nature</i> , 2021, 592, 370-375.	27.8	49
6	Correlation between Oxygen Vacancies and Oxygen Evolution Reaction Activity for a Model Electrode: $\text{PrBaCo}_2\text{O}_{5+\delta}$. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14609-14619.	13.8	54
7	Multigap superconductivity in centrosymmetric and noncentrosymmetric rhenium-boron superconductors. <i>Physical Review B</i> , 2021, 103, .	3.2	8
8	Correlation between Oxygen Vacancies and Oxygen Evolution Reaction Activity for a Model Electrode: $\text{PrBaCo}_2\text{O}_{5+\delta}$. <i>Angewandte Chemie</i> , 2021, 133, 14730-14740.	2.0	3
9	Revealing three-dimensional quantum criticality by Sr substitution in Han purple. <i>Physical Review Research</i> , 2021, 3, .	3.6	10
10	Interdependent scaling of long-range oxygen and magnetic ordering in nonstoichiometric Nd_2CuO_4 . <i>Physical Review Materials</i> , 2021, 5, .	2.4	10
11	Imbalanced spin coupling in the copper hexamer compounds $\text{A}_2\text{Cu}_6\text{O}_{12}$.		

#	ARTICLE	IF	CITATIONS
19	Z3-vestigial nematic order due to superconducting fluctuations in the doped topological insulators $\text{NbxBi}_{2-x}\text{Se}_3$ and $\text{CuxBi}_{2-x}\text{Se}_3$. Nature Communications, 2020, 11, 3056.	12.8	35
20	Magnetism and anomalous transport in the Weyl semimetal PrAlGe : possible route to axial gauge fields. Npj Quantum Materials, 2020, 5, .	5.2	78
21	Topological Magnetic Phase in the Candidate Weyl Semimetal CeAlGe . Physical Review Letters, 2020, 124, 017202.	7.8	99
22	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological Kagome magnet. Nature Communications, 2020, 11, 559.	12.8	112
23	Anisotropic Character of the metal-to-metal transition in CaMn_2P_2 . Physical Review B, 2020, 102, 040405.	3.2	15
24	Multigap superconductivity in the Mo_5Pb_2 boron-phosphorus compound. New Journal of Physics, 2020, 22, 093016.	2.9	10
25	Unusual ^{13}C NMR shift in the Weyl-fermion systems LaAlGe and PrAlGe . Physical Review B, 2020, 102, .	3.2	5
26	Putative spin-nematic phase in BaCdVO_4 . Physical Review B, 2019, 100, .	1.8	11
27	Nodeless superconductivity and its evolution with pressure in the layered dirac semimetal 2M-WS_2 . Npj Quantum Materials, 2019, 4, .	5.2	20
28	Imaging the local electronic and magnetic properties of intrinsically phase separated $\text{Rb}_x\text{Fe}_{2-x}\text{Se}_2$ superconductor using scanning microscopy techniques. Superconductor Science and Technology, 2019, 32, 044005.	3.5	6
29	Floating Zone Growth of Sr Substituted Han Purple: $\text{Ba}_{0.9}\text{Sr}_{0.1}\text{CuSi}_2\text{O}_6$. Crystals, 2019, 9, 273.	2.2	3
30	Nodeless superconductivity and preserved time-reversal symmetry in the noncentrosymmetric Mo_3Sb_7 superconductor. Physical Review B, 2019, 99, .	3.2	21
31	Laue three dimensional neutron diffraction. Scientific Reports, 2019, 9, 4798.	3.3	13
32	High-pressure polymorphism of BaFe_2Se_3 . Journal of Physics Condensed Matter, 2019, 31, 085401.	1.8	12
33	Electronic localization in CaVO_3 films via bandwidth control. Npj Quantum Materials, 2019, 4, .	5.2	16
34	Improved Photoelectrochemical Water Splitting of CaNbO_5 Photoanodes by CoPi Photodeposition and Surface Passivation. Journal of Physical Chemistry C, 2019, 123, 1059-1068.	3.1	22
35	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
36	Bulk single-crystal growth of the theoretically predicted magnetic Weyl semimetals RAlGe ($\text{R} = \text{La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu}$) and RAlSb ($\text{R} = \text{La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu}$). Physical Review B, 2019, 100, 040405.	3.1	9

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37	Structure and superconductivity in the binary ReO_4 Structural disorder and magnetic correlations driven by oxygen doping in Nd_2CuO_4		
38	Ni_2O_4		

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55	Chemical Aspects of the Phase Separation in Alkali Metal Intercalated Iron Selenide Superconductors. Springer Series in Materials Science, 2017, , 243-252.	0.6	0
56	Suppression of magnetic excitations near the surface of the topological Kondo insulator SmB_6 . Physical Review B, 2017, 95, .	8.2	15
57	Global Formation of Topological Defects in the Multiferroic Hexagonal Manganites. Physical Review X, 2017, 7, .	8.9	40
58	Complementary Response of Static Spin-Stripe Order and Superconductivity to Nonmagnetic Impurities in Cuprates. Physical Review Letters, 2017, 119, 087002.	7.8	8
59	Evidence for strong lattice effects as revealed from huge unconventional oxygen isotope effects on the pseudogap temperature in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2017, 95, .	3.2	24
60	Effect of Sr doping on the magnetic exchange interactions in manganites of type $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2017, 95, .	3.2	16
61	Incommensurate magnetic order in a quasicubic structure of the double-perovskite compound $\text{Sr}_2\text{NiIrO}_6$. Physical Review B, 2017, 95, .	3.2	7
62	4-spin plaquette singlet state in the Shastry-Sutherland compound $\text{SrCu}_2(\text{BO}_3)_2$. Nature Physics, 2017, 13, 962-966.	16.7	75
63	Interplay of Fe and Tm moments through the spin-reorientation transition in TmFe_3O_7 . Physical Review B, 2017, 96, .	3.2	17
64	Scavenging of oxygen vacancies at modulation-doped oxide interfaces: Evidence from oxygen isotope tracing. Physical Review Materials, 2017, 1, .	2.4	8
65	Wiedemann-Franz law in iron-based superconductor $\text{Fe}_{1-x}\text{Te}_{1-x}\text{Se}_x$. Physica Status Solidi (B): Basic Research, 2016, 253, 1607-1611.	1.5	1
66	Chemical pressure effects on crystal and magnetic structures of bilayer manganites $\text{Pr}_{1-x}\text{Sr}_x\text{Mn}_2\text{O}_7$. Physical Review B, 2016, 94, .	2.5	0
67	Tuning magnetic spirals beyond room temperature with chemical disorder. Nature Communications, 2016, 7, 13758.	12.8	42
68	Phase separation in iron chalcogenide superconductor $\text{Rb}_{0.8+x}\text{Fe}_{1.6+y}\text{Se}_2$ as seen by Raman light scattering and band structure calculations. Low Temperature Physics, 2016, 42, 491-504.	0.6	0
69	Cooperative coupling of static magnetism and bulk superconductivity in the stripe phase of $\text{La}_{1-x}\text{Sr}_x\text{Mn}_2\text{O}_7$: Pressure- and doping-dependent studies. Physical Review B, 2016, 94, .	3.2	2
70	Observation of Weyl nodes and Fermi arcs in tantalum phosphide. Nature Communications, 2016, 7, 11006.	12.8	264
71	Europium-enabled luminescent single crystal and bulk YAG and YGG for optical imaging. Optical Materials, 2016, 60, 467-473.	3.6	23
72	Magnetization Response of the Bulk and Supplementary Magnetic Domain Structure in High-Permeability Steel Laminations Visualized <i>In Situ</i> by Neutron Dark-Field Imaging. Physical Review Applied, 2016, 6, .	3.8	20

#	ARTICLE	IF	CITATIONS
73	Crystal-field parameters of the rare-earth pyrochlores $R_2Ti_2O_7$ ($R=Tb, Dy, \text{ and } Ho$). <i>Physical Review B</i> , 2016, 94, .	3.2	50
74	Sample independence of magnetoelastic excitations in the rare-earth pyrochlore Tb_2O_7 . <i>Physical Review B</i> , 2016, 93, . Experimental investigation of lattice dynamics in the rare-earth pyrochlores	3.2	22
75	Sample independence of magnetoelastic excitations in the rare-earth pyrochlore R_2O_7 .		

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91	New Synthesis Route and Magnetic Structure of Tm ₂ Mn ₂ O ₇ Pyrochlore. Inorganic Chemistry, 2015, 54, 9092-9097.	4.0	11
92	Inhomogeneous ordering in weakly coupled Heisenberg S=1/2 chains with random bonds. Physical Review B, 2014, 90, .	3.2	4
93	High-resolution characterization of microstructural evolution in $Rb_xMn_{1-x}O_2$ on annealing. Physical Review B, 2014, 90, .	3.2	4
94	Negative Oxygen Isotope Effect on the Static Spin Stripe Order in Superconducting $La_{1-x}Mn_2O_7$. Physical Review Letters, 2014, 113, 057002.	7.8	13
95	Quantum and thermal ionic motion, oxygen isotope effect, and superexchange distribution in $La_{1-x}Mn_2O_7$. Physical Review B, 2014, 90, .	3.2	4
96	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
97	Low-temperature magnetic fluctuations in the Kondo insulator $SrMn_6O_{12}$. Physical Review B, 2014, 89, .	3.2	27
98	Crystal-field interaction and oxygen stoichiometry effects in strontium-doped rare-earth cobaltates. Physical Review B, 2014, 90, .	3.2	4
99	Determination of the charge-ordered phases in $LuFe_2O_4$. Europhysics Letters, 2014, 107, 47002.	2.0	6
100	Temperature dependence of the pressure induced monoclinic distortion in the spin Shastry-Sutherland compound $SrCu_2(BO_3)_2$. Solid State Communications, 2014, 186, 13-17.	1.9	13
101	Superconductivity in a new layered bismuth oxyselenide: $LaO_{0.5}F_{0.5}BiSe_2$. Journal of Physics Condensed Matter, 2014, 26, 215702.	1.8	62
102	Pressure Effects in the Iron Chalcogenides. Journal of Superconductivity and Novel Magnetism, 2014, 27, 965-968.	1.8	14
103	Inelastic neutron scattering studies of $YFeO_3$. Physical Review B, 2014, 89, .	3.2	4
104	As easy as pie? Large FeSe superconducting crystal, which is of the simplest structural type from the large family of iron based superconductors, is finally grown. Superconductor Science and Technology, 2014, 27, 120501.	3.5	6
105	Chemistry and structure of homoepitaxial SrTiO ₃ films and their influence on oxide-heterostructure interfaces. Nanoscale, 2014, 6, 2598.	5.6	22
106	Compressibility and pressure-induced disorder in superconducting phase-separated $CsFeSe_2$. Physical Review B, 2014, 89, .	3.2	4
107	Superconductivity on a Crossover Phenomenon of Spin Ladder System $SrCa_{13}Cu_{24}O_{41}$ Single Crystals. Journal of the Physical Society of Japan, 2014, 83, 073703.	1.6	7
108	Direct observation of the spin texture in $SrMn_6O_{12}$ as evidence of the topological Kondo insulator. Nature Communications, 2014, 5, 4566.	12.8	193

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109	Exponential Decay of Triplet Excitations in the Shastry-Sutherland Compound SrCu_2BO_3	1.7	170
110	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
111	Phase separation in A _y Fe _{2-x} Se ₂ (A = K, Rb, Cs) superconductors. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1464-C1464.	0.1	0
112	Depth dependence of the ionization energy of shallow hydrogen states in ZnO and CdS. Physical Review B, 2014, 90, .	3.2	8
113	Field dependence of the superconducting gap in YPd ₂ Sn: A μ SR and NMR study. Journal of Physics: Conference Series, 2014, 551, 012027.	0.4	5
114	Intrinsic electrical properties of LuFe ₂ O ₇ LuFe_2O_7	3.2	54
115	Pressure-induced ferromagnetism in antiferromagnetic Fe _{0.77} Se $\text{Fe}_{0.77}\text{Se}$	3.2	20
116	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
117	Pressure-induced ferromagnetism in antiferromagnetic Fe _{1.03} Te. Physical Review B, 2013, 87, .	3.2	27
118	Effect of pressure on the Cu and Pr magnetism in Nd _{1-x} Pr _x Ba ₂ Cu ₃ O _{7-δ} investigated by muon spin rotation. Physical Review B, 2013, 87, .	3.2	6
119	Two-dimensional Superconductivity in an Alkali Metal-Organic Solvent Intercalated Iron Selenide LiTjEQq_1	0.784314	20
120	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
121	1D to 2D Na Ion Diffusion Inherently Linked to Structural Transitions in Resonant inelastic x-ray scattering at the Fe _{0.7} CoO ₂ $\text{Fe}_{0.7}\text{CoO}_2$	7.8	59
122	Resonant inelastic x-ray scattering at the Fe _L edge of the one-dimensional chalcogenide BaFe ₂ Se ₃ BaFe_2Se_3	3.2	21
123	Crystal structure of BaFe ₂ Se 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
124	Spin-gap evolution upon Ca doping in the spin-ladder series Sr _{14-x} CaxCu ₂₄ O ₄₁ studied by inelastic neutron scattering. Physical Review B, 2013, 88, .	3.2	14
125	Microscopic study of the normal and superconducting state of Ca ₃ Ir Ca_3Ir	3.2	32
126	Coexistence of long-range magnetic ordering and singlet ground state in the spin-ladder superconductor SrCa ₁₃ Cu ₂₄ O ₄₁ $\text{SrCa}_{13}\text{Cu}_{24}\text{O}_{41}$	3.2	5

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127	Temperature-dependent electron-phonon coupling in La _{1-x} Sr _x MnO ₃ and CuO. Physical Review B, 2013, 88, .	3.2	26
128	Interplay of electronic and lattice degrees of freedom in A _{1-x} Fe _{2x} Se ₂ superconductors under pressure. Physical Review B, 2013, 88, .	3.2	16
129	Publisher's Note: Two-Dimensional Superfluid Density in an Alkali Metal-Organic Solvent Intercalated Iron Selenide Superconductor Li(C ₅ H ₅ N) _{0.2} Fe ₂ Se ₂ [Phys. Rev. Lett. 110, 137003 (2013)]. Physical Review Letters, 2013, 110, .	7.8	0
130	SR and NMR study of the superconducting Heusler compound YPd ₂ Sn. Physical Review B, 2013, 88, .	3.2	3
131	SR and NMR study of the superconducting Heusler compound YPd ₂ TiO. Physical Review B, 2013, 88, .	3.2	6
132	Effect of external pressure on <i>T_c</i> of as-grown and thermally treated superconducting Rb _x Fe ₂ Se ₂ single crystals. Physica Status Solidi - Rapid Research Letters, 2013, 7, 218-220.	2.4	2
133	Magnetic-field tuned anisotropy in superconducting Rb _x Fe ₂ Se ₂ . Physical Review B, 2013, 88, .	3.2	16
134	SR and NMR study of the superconducting Heusler compound YPd ₂ Se. Physical Review B, 2013, 88, .	3.2	8
135	Superconductivity and magnetism in Rb _x Fe ₂ Se ₂ . Physical Review B, 2013, 88, .	3.2	32
136	SR and NMR study of the superconducting Heusler compound YPd ₂ Se. Physical Review B, 2013, 88, .	3.2	24
137	SR and NMR study of the superconducting Heusler compound YPd ₂ Se. Physical Review B, 2012, 86, .	3.2	13
138	Oxygen diffusion and structural and properties in La _{2-x} Sr _x CuO ₄ and La ₂ CoO ₄ . Acta Crystallographica Section A: Foundations and Advances, 2012, 68, s244-s244.	0.3	0
139	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, 2012, 24, 059502.	1.8	3
140	Effect of Strontium doping on the Oxygen Diffusion in La _{2-x} Sr _x CuO ₄ samples Investigated by Oxygen Isotope Back Exchange. Journal of Physics: Conference Series, 2012, 340, 012110.	0.4	1
141	SR and NMR study of the superconducting Heusler compound YPd ₂ Se. Physical Review B, 2013, 88, .	3.2	61
142	Intrinsic crystal phase separation in the antiferromagnetic superconductor Rb _x Fe ₂ Se ₂ : a diffraction study. Journal of Physics Condensed Matter, 2012, 24, 435701.	1.8	28
143	SR and NMR study of the superconducting Heusler compound YPd ₂ Se. Physical Review B, 2013, 88, .	3.2	29
144	Evolution of charge order through the magnetic phase transition of LuFe ₂ O ₄ . Physical Review B, 2012, 86, .	3.2	8

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145	Single crystals of novel alkali metal intercalated iron chalcogenide superconductors. Journal of Crystal Growth, 2012, 360, 155-157.	1.5	14
146	Floating zone crystal growth and magnetic properties of bilayer manganites $\text{Pr}(\text{Sr}_{1-x}\text{Ca}_x)_2\text{Mn}_2\text{O}_7$. Journal of Crystal Growth, 2012, 353, 25-30.	1.5	6
147	Magnetothermoelectric effects in $\text{Fe}(\text{Se}_{1-x}\text{Te}_x)_2$. Physica C: Superconductivity and Its Applications, 2012, 483, 21-25.	1.2	12
148	Microstructural analysis of phase separation in iron chalcogenide superconductors. Superconductor Science and Technology, 2012, 25, 084023.	3.5	49
149	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
150	Coexistence of superconductivity and magnetism in $\text{FeSe}_{1-x}\text{Te}_x$ under pressure. Physical Review B, 2012, 85, .	3.2	130
151	Tunable conductivity threshold at polar oxide interfaces. Nature Communications, 2012, 3, 932.	12.8	121
152	Three-dimensional mapping of reciprocal space and structural complexity of $\text{A}_x\text{Fe}_{2-x}\text{Se}_2$ superconductors (A= Rb, Cs). Acta Crystallographica Section A: Foundations and Advances, 2012, 68, s187-s187.	0.3	0
153	Room temperature antiferromagnetic order in superconducting $\text{X}_{1-x}\text{Fe}_2\text{Se}_2$ (X= Rb, K): a neutron powder diffraction study. Journal of Physics Condensed Matter, 2011, 23, 156003.	1.8	41
154	Analysis of local chemical and structural inhomogeneities in $\text{Fe}_{1-x}\text{Te}_x$ single crystals. Applied Physics Letters, 2011, 99, .	3.3	15
155	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
156	Temperature and Pressure Evolution of the Crystal Structure of $\text{A}_{1-x}\text{Fe}_2\text{Se}_2$ (A = Cs, Rb, K) Studied by Synchrotron Powder Diffraction. Inorganic Chemistry, 2011, 50, 10703-10708.	4.0	20
157	$\text{O}_{1-x}\text{Fe}_2\text{Se}_2$. Physical Review B, 2011, 83, .	3.2	7
158	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
159	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
160	FeSe -based superconductors (11, 122-type): phase diagram, crystal growth and characterization. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C455-C455.	0.3	0
161	Iron vacancy superstructure and room-temperature antiferromagnetic order in superconducting $\text{X}_y\text{Fe}_{2-x}\text{Se}_2$ (X= K, Cs, Rb). Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C208-C208.	0.3	0
162	Low-temperature structural anomalies in $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$. JETP Letters, 2011, 93, 263-268.	1.4	13

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181	Evolution of Two-Gap Behavior of the Superconductor $\text{FeSe}_{1-x}\text{Te}_x$. Physical Review Letters, 2010, 104, 087004.	7.8	97
182	Anisotropic superconducting properties of single-crystalline $\text{FeSe}_{1-x}\text{Te}_x$. Physical Review B, 2010, 81, .	3.2	119
183	Two-Dimensional Orbital-Like Magnetic Order in the High-Temperature Doped $\text{La}_{1-x}\text{Ce}_x\text{FeAs}_2$. Physical Review Letters, 2010, 105, 027004.	7.8	61
184	Doping and temperature dependence of Mn^{3+} in $\text{A}_{1-x}\text{B}_x\text{MnO}_3$ site ordered manganites. Physical Review B, 2010, 82, .	3.2	5
185	Pressure Induced Static Magnetic Order in Superconducting $\text{FeSe}_{1-x}\text{Te}_x$. Physical Review Letters, 2010, 104, 087003.	7.8	176
186	Direct Observation of Impurity-Induced Magnetism in a Spin-1/2 Heisenberg Two-Leg Spin Ladder. Physical Review Letters, 2010, 105, 067203.	7.8	25
187	Tuning the superconducting and magnetic properties of $\text{Fe}_x\text{Mn}_{1-x}\text{O}$ by varying the iron content. Physical Review B, 2010, 82, .	3.2	94
188	Evidence for the strong effect of quenched correlated disorder on phase separation and magnetism in $\text{La}_{1-y}\text{Pr}_y\text{Ca}_{0.7}\text{MnO}_3$. Journal of Physics Condensed Matter, 2010, 22, 115601.	1.8	6
189	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
190	Magnetic excitations of $\text{Fe}_{1+y}\text{Se}_x\text{Te}_{1-x}$ in magnetic and superconductive phases. Journal of Physics Condensed Matter, 2010, 22, 142202.	1.8	33
191	Direct Observation of Charge Order and an Orbital Glass State in Multiferroic LuFe_2O_4 . Physical Review Letters, 2009, 103, 077602.	7.8	42
192	LaBaNiO4: a Fermi glass. Journal of Physics Condensed Matter, 2009, 21, 015701.	1.8	6
193	Magnetic properties of the layered cobaltite. Physica B: Condensed Matter, 2009, 404, 765-768.	2.7	9
194	Spontaneous and field-induced magnetic transitions in YBaCo2O5.5. Journal of Magnetism and Magnetic Materials, 2009, 321, 429-437.	2.3	6
195	Probing the Yb ³⁺ spin relaxation in Y0.98Yb0.02Ba2Cu3Ox by electron paramagnetic resonance. Physical Review B, 2009, 79, .	3.2	9
196	Electron paramagnetic resonance of Ce ³⁺ and Nd ³⁺ impurity ions in YBa2Cu3O6.13. Physics of the Solid State, 2009, 51, 322-326.	0.6	5
197	Detecting oxygen vacancies in SrTiO_{3-x} transition-metal tracer ions. Physical Review B, 2009, 80, .	3.2	11
198	Origin of a spin-state polaron in lightly hole doped LaCoO3. Journal of Physics: Conference Series, 2009, 150, 042003.	0.4	6

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199	Coexistence of incommensurate magnetism and superconductivity in $\text{Fe}_{1-x}\text{Co}_x\text{Te}$. Physical Review B, 2009, 80, .	3.2	114
200	Synthesis, crystal structure, and chemical stability of the superconductor FeSe . Physical Review B, 2009, 80, .	3.2	137
201	Orbital Order at Mn and O Sites and Absence of Zener Polaron Formation in Manganites. Physical Review Letters, 2009, 103, 097205.	7.8	16
202	Orbital and magnetic ordering in $\text{Pr}_{1-x}\text{Ce}_x\text{FeAs}_2$. Physical Review B, 2009, 79, .	3.2	17
203	Neutron diffraction study of magnetic ordering in $\text{Ce}(\text{Mn}_{1-x}\text{Fe}_x)_2\text{Ge}_2$. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s218-s218.	0.3	0
204	Large single crystals of $\text{LnBaCo}_2\text{O}_{5.5}$: Initial nucleation, growth and study. Journal of Crystal Growth, 2008, 310, 1867-1874.	1.5	7
205	Crystal growth of $\text{Tb}_{0.9}\text{Dy}_{0.1}\text{BaCo}_2\text{O}_{5+\delta}$ using travelling solvent floating zone method. Journal of Crystal Growth, 2008, 310, 1239-1244.	1.5	2
206	studies of CePd_2In at low temperatures. Journal of Physics and Chemistry of Solids, 2008, 69, 3149-3152. Microscopic Evidence of Spin State Order and Spin State Phase Separation in Layered Cobaltites	4.0	1
207	$\text{R}_{1-x}\text{Ba}_x\text{Co}_2\text{O}_{5.5}$ with $\text{R} = \text{Y, Tb, Dy, and Ho}$. Physical Review B, 2008, 78, .	7.8	49
208	Point defect chemistry of $\text{YBa}_2\text{Cu}_3\text{O}_{6.5+\delta}$. Materials Research Bulletin, 2008, 43, 1195-1202.	5.2	1
209	Spin-State Polarons in Lightly-Hole-Doped LaCoO_3 . Physical Review Letters, 2008, 101, 247603.	7.8	76
210	Evidence of nodeless superconductivity in FeSe : a muon-spin-rotation study of the in-plane magnetic penetration depth. Physical Review B, 2008, 78, .	3.2	108
211	Superstructure formation at the metal-insulator transition in $\text{RBaCo}_2\text{O}_{5.5}$ ($\text{R} = \text{Nd, Tb}$) as seen from reciprocal space mapping. Physical Review B, 2008, 78, .	3.2	14
212	Oxygen Isotope Effects on the Superconducting Transition and Magnetic States Within the Phase Diagram of $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$. Physical Review Letters, 2008, 101, 077001.	7.8	41
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