

# Rustem Khasanov

## List of Publications by Year in descending order

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238  
papers

8,126  
citations

57631

44  
h-index

62479

80  
g-index

239  
all docs

239  
docs citations

239  
times ranked

5155  
citing authors

#	ARTICLE	IF	CITATIONS
1	The electronic phase diagram of the $\text{LaO}_{1-x}\text{FeAs}$ superconductor. <i>Nature Materials</i> , 2009, 8, 305-309.	13.3	390
2	Synthesis and crystal growth of $\text{Cs}_{0.8}(\text{FeSe}_{0.98})_2$ : a new iron-based superconductor with $T_c = 27$ K. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 052203.	0.7	272
3	Commensurate Spin Density Wave in $\text{LaFeAsO}$ : A Local Probe Study. <i>Physical Review Letters</i> , 2008, 101, 077005.	2.9	267
4	Competition between the pseudogap and superconductivity in the high- $T_c$ copper oxides. <i>Nature</i> , 2009, 457, 296-300.	13.7	231
5	Time-reversal symmetry-breaking charge order in a kagome superconductor. <i>Nature</i> , 2022, 602, 245-250.	13.7	207
6	Pressure Induced Static Magnetic Order in Superconducting $\text{FeSe}$ . <i>Physical Review Letters</i> , 2010, 104, 087003.	2.9	176
7	Field and Temperature Dependence of the Superfluid Density in $\text{LaFeAsO}$ . <i>Physical Review Letters</i> , 2008, 101, 087003.	2.9	176
8	Coexistence of Magnetism and Superconductivity in the Iron-Based Compound $\text{Cs}_{0.8}(\text{FeSe}_{0.98})_2$ . <i>Physical Review Letters</i> , 2011, 106, 117602.	2.9	163
9	Experimental Evidence for Two Gaps in the High-Temperature $\text{La}_{1.83}\text{Sr}_{0.17}\text{CuO}_4$ Superconductor. <i>Physical Review Letters</i> , 2007, 98, 057007.	2.9	141
10	Synthesis, crystal structure, and chemical stability of the superconductor $\text{FeSe}$ . <i>Physical Review B</i> , 2009, 80, .	1.1	137
11	Coexistence of superconductivity and magnetism in $\text{FeSe}$ under pressure. <i>Physical Review B</i> , 2012, 85, .	1.1	130
12	Direct Observation of the Oxygen Isotope Effect on the In-Plane Magnetic Field Penetration Depth in Optimally Doped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Physical Review Letters</i> , 2004, 92, 057602.	2.9	127
13	Strong coupling between magnetic and structural order parameters in $\text{SrFe}_2\text{As}_2$ . <i>Physical Review B</i> , 2008, 78, .	1.1	127
14	Momentum-resolved superconducting gap in the bulk of $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ from combined ARPES and $\mu\text{SR}$ measurements. <i>New Journal of Physics</i> , 2009, 11, 055069.	1.2	124
15	$\text{FeAsO}$ ( $T_J$ ETC)	1.1	123
16	Anisotropic superconducting properties of single-crystalline $\text{FeSe}$ . <i>Physical Review B</i> , 2010, 81, .	1.1	119
17	Implantation studies of keV positive muons in thin metallic layers. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2002, 192, 254-266.	0.6	118
18	Coexistence of incommensurate magnetism and superconductivity in $\text{Fe}$ . <i>Physical Review B</i> , 2009, 80, .	1.1	114

#	ARTICLE	IF	CITATIONS
19	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological Kagome magnet. Nature Communications, 2020, 11, 559.	5.8	112
20	Two-Gap Superconductivity in $\text{BaKFe}_2\text{As}_2$ : A Complementary Study of the Magnetic Penetration Depth by Muon-Spin Rotation and Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2011, 107, 237001.	2.2	105
21	Microscopic Origin of Superconductivity and Magnetism in $\text{BaKFe}_2\text{As}_2$ . Physical Review Letters, 2011, 107, 237001.	2.2	105
22	Evidence for time-reversal symmetry breaking in superconducting $\text{PrPt}$ . Physical Review B, 2010, 82, .	1.1	101
23	Signatures of the topological $s + \hat{a}^z$ superconducting order parameter in the type-II Weyl semimetal $\text{Td-MoTe}_2$ . Nature Communications, 2017, 8, 1082.	5.8	101
24	Evidence of nodeless superconductivity in $\text{FeSe}$ a muon-spin-rotation study of the in-plane magnetic penetration depth. Physical Review B, 2008, 78, .	1.1	100
25	Muon spin rotation studies of $\text{SmFeAsO}$ . Physical Review B, 2008, 78, .	1.1	97
26	Evolution of Two-Gap Behavior of the Superconductor $\text{FeSe}$ . Physical Review Letters, 2010, 104, 087004.	2.9	97
27	Tuning the superconducting and magnetic properties of $\text{Fe}_x\text{M}_y\text{As}_z$ by varying the iron content. Physical Review B, 2010, 82, .	1.1	94
28	Magnetism in semiconducting molybdenum dichalcogenides. Science Advances, 2018, 4, eaat3672.	4.7	92
29	Multiple Gap Symmetries for the Order Parameter of Cuprate Superconductors from Penetration Depth Measurements. Physical Review Letters, 2007, 99, 237601.	2.9	85
30	Nano-scale thin film investigations with slow polarized muons. Journal of Physics Condensed Matter, 2004, 16, S4583-S4601.	0.7	79
31	High pressure research using muons at the Paul Scherrer Institute. High Pressure Research, 2016, 36, 140-166.	0.4	79
32	Unexpected Fermi-surface nesting in the pnictide parent compounds $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2010, 81, .	1.1	76
33	Three- to Two-Dimensional Transition of the Electronic Structure in $\text{CaFe}_2\text{As}_2$ : A Parent Compound for an Iron Arsenic High-Temperature Superconductor. Physical Review Letters, 2009, 102, 167001.	2.5	74
34	Orbital and spin effects for the upper critical field in As-deficient disordered Fe pnictide superconductors. New Journal of Physics, 2009, 11, 075007.	1.2	68
35	Comparison of different methods for analyzing $^1\text{H}$ NMR line shapes in the vortex state of type-II superconductors. Journal of Physics Condensed Matter, 2009, 21, 075701.	0.7	66
36	Iron isotope effect on the superconducting transition temperature and the crystal structure of $\text{FeSe}$ . New Journal of Physics, 2010, 12, 073024.	1.2	64

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37	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, 072002.	0.7	62
38	Superconducting properties of single-crystalline $\text{Fe}_x\text{A}_y\text{Se}$ . Physical Review Letters, 2009, 103, 147002.	1.1	61
39	Superfluid Density and Energy Gap Function of Superconducting $\text{PrPt}_4\text{Ce}$ . Physical Review Letters, 2009, 103, 147002.	2.9	59
40	Breakdown of Magnetic Order in the Pressurized Kitaev Iridate $\text{Li}_2\text{IrO}_4$ . Physical Review Letters, 2018, 120, 237202.	2.9	57
41	Time-reversal symmetry broken by charge order in $\text{CsV}_3\text{Sb}_5$ . Physical Review B, 2022, 105, 080404.	1.3	48
42	Ferromagnetic Quantum Critical Point Avoided by the Appearance of Another Magnetic Phase in $\text{LaCrGe}$ . Physical Review Letters, 2016, 117, 037207.	2.9	47
43	Unsplit superconducting and time reversal symmetry breaking transitions in $\text{Sr}_2\text{RuO}_4$ under hydrostatic pressure and disorder. Nature Communications, 2021, 12, 3920.	5.8	47
44	s-Wave Symmetry Along the c-Axis and s+d In-plane Superconductivity in Bulk $\text{YBa}_2\text{Cu}_4\text{O}_8$ . Journal of Superconductivity and Novel Magnetism, 2008, 21, 81-85.	0.8	46
45	Pressure Effects on the Transition Temperature and the Magnetic Field Penetration Depth in the Pyrochlore Superconductor $\text{RbOs}_2\text{O}_6$ . Physical Review Letters, 2004, 93, 157004.	2.9	43
46	The oxygen isotope effect on the in-plane penetration depth in cuprate superconductors. Journal of Physics Condensed Matter, 2004, 16, S4439-S4455.	0.7	42
47	Muon-Spin-Rotation Measurements of the Penetration Depth of the Infinite-Layer Electron-Doped $\text{Sr}_{0.9}\text{La}_{0.1}\text{CuO}_2$ Cuprate Superconductor. Physical Review Letters, 2005, 94, 127001.	2.9	42
48	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.	2.9	41
49	Microscopic evidence for anisotropic multigap superconductivity in the $\text{CsV}_3\text{Sb}_5$ kagome superconductor. Npj Quantum Materials, 2022, 7, 1-10.	1.8	41
50	Possible realization of an antiferromagnetic Griffiths phase in $\text{Ba}(\text{Fe}_x\text{Tl}_{1-x})_2\text{ETQqO}_0\text{O}_{rgBT}/\text{Overlock } 10 \text{ Tf } 50 \text{ 247 Td}$ . Physical Review B, 2005, 72, .	1.1	40
51	Magnetic penetration depth in $\text{RbOs}_2\text{O}_6$ studied by muon spin rotation. Physical Review B, 2005, 72, .	1.1	39
52	Coexistence of magnetism and superconductivity in $\text{Eu}_{1.4}\text{Ce}_{0.6}\text{RuSr}_2\text{Cu}_2\text{O}_{10}$ : A muon spin rotation and magnetization study. Physical Review B, 2004, 69, .	1.1	38
53	Observation of nonexponential magnetic penetration profiles in the Meissner state: A manifestation of nonlocal effects in superconductors. Physical Review B, 2005, 72, .	1.1	38
54	Muon-spin-rotation measurements of the penetration depth in $\text{Li}_2\text{Pd}_3\text{B}$ . Physical Review B, 2006, 73, .	1.1	37

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55	<p>Tuning of competing magnetic and superconducting phase volumes in <math>\text{LaFeAsO}</math>.</p> <p><math display="block">0.945 &lt; F &lt; 0.055</math></p> <p>by hydrostatic pressure. <i>Physical Review B</i>, 2011, 84, .</p>	1.1	37
56	Pressure-induced electronic phase separation of magnetism and superconductivity in CrAs. <i>Scientific Reports</i> , 2015, 5, 13788.	1.6	37
57	Nodeless kagome superconductivity in $\text{LaRu}_3\text{As}_2$ . <i>Physical Review Materials</i> , 2021, 5, .	2.9	36
58	Observation of the Conduction Electron Spin Polarization in the Ag Spacer of aFe/Ag/FeTrilayer. <i>Physical Review Letters</i> , 2003, 91, 017204.	2.9	36
59	Direct Observation of Nonlocal Effects in a Superconductor. <i>Physical Review Letters</i> , 2004, 92, 087001.	2.9	36
60	Muon-spin rotation measurements of the penetration depth of the $\text{Mo}_3\text{Sb}_7\text{Te}_6$ . <i>Physical Review B</i> , 2008, 78, .	1.1	36
61	Superconductivity and Field-Induced Magnetism in $\text{SrFe}_2\text{CoAs}_2$ . <i>Physical Review Letters</i> , 2009, 103, 067010.	2.9	36
62	Direct evidence for a pressure-induced nodal superconducting gap in the $\text{Ba}_{0.65}\text{Rb}_{0.35}\text{Fe}_2\text{As}_2$ superconductor. <i>Nature Communications</i> , 2015, 6, 8863.	5.8	36
63	Volume-wise destruction of the antiferromagnetic Mott insulating state through quantum tuning. <i>Nature Communications</i> , 2016, 7, 12519.	5.8	36
64	Site-selective oxygen isotope effect on the magnetic-field penetration depth in underdoped $\text{Y}_{0.6}\text{Pr}_{0.4}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ . <i>Physical Review B</i> , 2003, 68, .	1.1	35
65	Common effect of chemical and external pressures on the magnetic properties of $\text{LaFeAsO}$ .		

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73	<p>Essential quantum criticality in <math>\text{YbPd}_2</math></p> <p>Coexistence of low-moment magnetism and superconductivity in tetragonal FeS and suppression of pressure. Physical Review B, 2016, 93, .</p>	1.1	30
74	<p>Superconducting and magnetic properties of <math>\text{SrPt}_3\text{P}</math></p> <p>Physical Review B, 2014, 90, .</p>	1.1	29
75	<p>Proximity-induced superconductivity within the insulating (<math>\text{YbPt}_3\text{P}</math>)</p> <p>Physical Review B, 2014, 90, .</p>	1.1	29
76	<p>A two-band single-gap superconductor. Physical Review B, 2014, 90, .</p>	1.1	29
77			

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91	Superconductivity and magnetism in $\text{Rh}_2\text{FeSe}_2$ . Physical Review B, 2012, 86, .	1.1	24
92	High-pressure magnetic state of MnP probed by means of muon-spin rotation. Physical Review B, 2016, 93, .	1.1	24
93	Two-gap superconductivity in $\text{Mo}_8\text{Ga}_4\text{1}$ and its evolution upon vanadium substitution. Physical Review B, 2017, 96, .	1.1	24
94	On the effect of heterovalent substitutions in ruthenocuprates. Physica C: Superconductivity and Its Applications, 2003, 387, 33-39.	0.6	23
95	Intrinsic and structural isotope effects in iron-based superconductors. Physical Review B, 2010, 82, .	1.1	22
96	Interplay of composition, structure, magnetism, and superconductivity in $\text{SmFeAsP}$ . Physical Review B, 2012, 86, .	1.1	22
97	Direct Observation of the Quantum Critical Point in Heavy Fermion $\text{CeRhSi}_3$ . Physical Review Letters, 2012, 108, 177204.	2.9	22
98	Restoration of quantum critical behavior by disorder in pressure-tuned $(\text{Mn,Fe})\text{Si}$ . Npj Quantum Materials, 2017, 2, .	1.8	22
99	Pressure-induced ferromagnetism in the topological semimetal $\text{EuCd}_2\text{As}_2$ . Physical Review B, 2021, 104, .	2.9	21
100	Pressure-Induced Quantum Critical and Multicritical Points in a Frustrated Spin Liquid. Physical Review Letters, 2014, 112, .	2.9	21
101	Ground state selection under pressure in the quantum pyrochlore magnet $\text{Yb}_2\text{Ti}_2\text{O}_7$ . Nature Communications, 2017, 8, 14810.	5.8	21
102	Formation of short-range magnetic order and avoided ferromagnetic quantum criticality in pressurized $\text{LaCrGe}_3$ . Physical Review B, 2021, 103, .	1.1	21
103	Universal correlations of isotope effects in $\text{Y}_1\text{xPr}_\text{x}\text{Ba}_2\text{Cu}_3\text{O}_7$ . Physical Review B, 2008, 77, .	1.1	20
104	Muon-spin rotation measurements of the magnetic penetration depth in the iron-based superconductor $\text{Ba}_1\text{xKb}_\text{x}\text{Fe}_2\text{As}_2$ . Physical Review B, 2012, 86, .	1.1	20
105	Two-Dimensional Superfluid Density in an Alkali Metal-Organic Solvent Intercalated Iron Selenide Superconductor $\text{Li}_\text{x}\text{Fe}_2\text{Se}_2$ . Physical Review B, 2012, 86, .	1.1	20
106	Superconductivity in $\text{Li}_\text{x}\text{Fe}_2\text{Se}_2$ . Physical Review B, 2012, 86, .	2.9	20
107	Tuning the static spin-stripe phase and superconductivity in $\text{La}_2\text{BaCu}_4\text{O}_{10}$ ( $x = 1/8$ ) by hydrostatic pressure. New Journal of Physics, 2013, 15, 093005.	1.2	20
108	Nodeless superconductivity and its evolution with pressure in the layered dirac semimetal $2\text{M}-\text{WS}_2$ . Npj Quantum Materials, 2019, 4, .	1.8	20

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109	Unconventional scaling of the superfluid density with the critical temperature in transition metal dichalcogenides. <i>Science Advances</i> , 2019, 5, eaav8465.	4.7	20
110	Correlation between oxygen isotope effects on transition temperature and magnetic penetration depth in high-temperature superconductors close to optimal doping. <i>Physical Review B</i> , 2006, 74, .	1.1	19
111	Mutual Independence of Critical Temperature and Superfluid Density under Pressure in Optimally Electron-Doped Superconducting $\text{LaFeAsO}_{1-x}\text{F}_x$ . <i>Physical Review Letters</i> , 2015, 114, 247004.	2.9	19
112	Pressure-induced magnetic order in FeSe: A muon spin rotation study. <i>Physical Review B</i> , 2017, 95, .	1.1	19
113	Gradual enhancement of stripe-type antiferromagnetism in the spin-ladder material $\text{BaFe}_2\text{S}_3$ under pressure. <i>Physical Review B</i> , 2018, 98, .	1.1	19
114	Chemical and hydrostatic-pressure effects on the Kitaev honeycomb material $\text{Na}_2\text{Ir}_2\text{O}_7$ . <i>Physical Review B</i> , 2018, 98, .	1.1	19
115	Effect of Pressure on the Ginzburg-Landau Parameter $\kappa^2$ in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Physical Review Letters</i> , 2006, 97, 157002.	2.9	18
116	Real and Marginal Isotope Effects in Cuprate Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2007, 20, 393-396.	0.8	18
117	Superfluid density and superconducting gaps of $\text{BiFe}_2\text{S}_3$ as a function of hydrostatic pressure. <i>Physical Review B</i> , 2012, 86, .	1.1	18
118	Evidence of nodal gap structure in the basal plane of the FeSe superconductor. <i>Physical Review B</i> , 2018, 98, .	1.1	18
119	Vortex motion in type-II superconductors probed by muon spin rotation and small-angle neutron scattering. <i>Physical Review B</i> , 2002, 66, .	1.1	17
120	Dual Character of the Electronic Structure of $\text{YBa}_2\text{Cu}_4\text{O}_8$ : The Conduction Bands of $\text{CuO}_2$ Planes and $\text{CuO}$ Chains. <i>Physical Review Letters</i> , 2007, 98, 157002.	2.9	17
121	Absence of a boron isotope effect in the magnetic penetration depth of $\text{MgB}_2$ . <i>Physical Review B</i> , 2004, 70, .	1.1	16
122	Muon-Spin Rotation Study of the Ternary Noncentrosymmetric Superconductors $\text{Li}_2\text{Pd}_x\text{Pt}_{3-x}\text{B}$ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2009, 22, 337-342.	0.8	16
123	Multiple quantum phase transitions of different nature in the topological kagome magnet $\text{Co}_3\text{Sn}_2\text{In}_x\text{S}_2$ . <i>Npj Quantum Materials</i> , 2021, 6, .	1.8	16
124	Multiple-gap response of type-I noncentrosymmetric $\text{BeAu}$ superconductor. <i>Physical Review Research</i> , 2020, 2, .	1.3	16
125	Probing the ground state properties of iron-based superconducting pnictides and related systems by muon-spin spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 606-613.	0.6	15
126	Anomalies in the Fermi Surface and Band Dispersion of Quasi-One-Dimensional $\text{CuO}$ Chains in the High-Temperature Superconductor $\text{YBa}_2\text{Cu}_4\text{O}_8$ . <i>Physical Review Letters</i> , 2010, 105, 267003.	2.9	15



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127	Probing the multi gap behavior within $\text{FeTe}_{1-x}\text{Se}_x$ and $\text{FeTe}_{1-x}\text{S}_x$ families of iron based superconductors: the muon-spin rotation studies. Superconductor Science and Technology, 2015, 28, 034003.	1.8	15
128	In-plane magnetic penetration depth of superconducting $\text{CaKFe}_4\text{As}_8$ . Physical Review B, 2018, 97, .		
129	Muon spin rotation study of type-I superconductivity: Elemental $\text{Pb}$ -Sn. Physical Review B, 2019, 99, .	1.1	15
130	Magnetic phase diagram of $\text{K}_2\text{Cr}_8\text{O}_{16}$ clarified by high-pressure muon spin spectroscopy. Scientific Reports, 2019, 9, 1141.	1.6	15
131	Single-gap versus two-gap scenario: Specific heat and thermodynamic critical field of the noncentrosymmetric superconductor $\text{BeAu}$ . Physical Review B, 2020, 102, .	1.1	15
132	Coexistence and Coupling of Superconductivity and Magnetism in Thin Film Structures. Physical Review Letters, 2005, 95, 197201.	2.9	14
133	Direct observation of a Fermi surface and superconducting gap in $\text{LuNi}_2\text{P}_2$ . Physical Review B, 2008, 77, .		
134	Zero-field superfluid density in a $d$ -wave superconductor evaluated from muon-spin-rotation experiments in the vortex state. Physical Review B, 2009, 79, .	1.1	14
135	Anomalous asymmetry in the Fermi surface of the high-temperature superconductor $\text{YBa}_2\text{Cu}_4\text{O}_8$ revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2009, 80, .	1.1	14
136	Isotope and interband effects in a multi-band model of superconductivity. New Journal of Physics, 2011, 13, 093009.	1.2	14
137	Pressure Effects in the Iron Chalcogenides. Journal of Superconductivity and Novel Magnetism, 2014, 27, 965-968.	0.8	14
138	Anisotropy induced vortex lattice rearrangement in $\text{CaKFe}_4\text{As}_8$ . Physical Review B, 2019, 99, .		
139	Depth-Dependent Spin Dynamics of Canonical Spin-Glass Films: A Low-Energy Muon-Spin-Rotation Study. Physical Review Letters, 2008, 100, 147205.	2.9	13
140	Suppression of the antinodal coherence of superconducting $(\text{Bi,Pb})_2(\text{Sr,Lu})_2\text{CuO}_6+\text{F}$ as revealed by muon spin rotation and angle-resolved photoemission. Physical Review B, 2010, 82, .	1.1	13
141	Negative Oxygen Isotope Effect on the Static Spin Stripe Order in Superconducting $\text{La}_{1-x}\text{Ce}_x\text{FeAs}_2$ . Physical Review Letters, 2014, 113, 057002.	2.9	13
142	Magnetic tricritical point and nematicity in $\text{FeSe}$ under pressure. Physical Review B, 2018, 97, .	1.1	13
143	Extended Magnetic Dome Induced by Low Pressures in Superconducting $\text{FeSe}$ . Physical Review Letters, 2019, 123, 147001.		
144	Superconducting nature of the Bi-II phase of elemental bismuth. Physical Review B, 2019, 99, .	1.1	13

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145	Robust block magnetism in the spin ladder compound $\text{BaFe}_2\text{As}_2$ under hydrostatic pressure. Physical Review B, 2019, 100, .		
146	Pressure effect on the magnetic penetration depth in $\text{MgB}_2$ . Physical Review B, 2005, 72, .	1.1	12
147	Evidence for Charged Critical Behavior in the Pyrochlore Superconductor $\text{RbOs}_2\text{O}_6$ . Physical Review Letters, 2005, 94, 077002.	2.9	12
148	Pressure effect on the in-plane magnetic penetration depth in $\text{YBa}_2\text{Cu}_4\text{O}_8$ . Journal of Physics Condensed Matter, 2005, 17, 2453-2460.	0.7	12
149	Magnetic-field dependence of the oxygen isotope effect on the magnetic penetration depth of hole-doped cuprate superconductors. Physical Review B, 2007, 75, .	1.1	12
150	Weak interband-coupling superconductivity in the filled skutterudite $\text{LaPt}_4\text{Sb}_{12}$ . Physical Review B, 2015, 92, .		
151	Superconductivity of Bi-III phase of elemental bismuth: Insights from muon-spin rotation and density functional theory. Physical Review B, 2018, 98, .	1.1	12
152	Low-temperature magnetic crossover in the topological kagome magnet $\text{TbMn}_6\text{Sn}_6$ . Communications Physics, 2022, 5, .	2.0	12
153	Pressure effects on the magnetic transition temperature in ordered double perovskites. Physical Review B, 2008, 78, .	1.1	11
154	Probing the pairing symmetry in the over-doped Fe-based superconductor $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ as a function of hydrostatic pressure. Physical Review B, 2016, 93, .		
155	Magnetic states of $\text{MnP}$ : muon-spin rotation studies. Journal of Physics Condensed Matter, 2017, 29, 164003.	0.7	11
156	Finite gap behaviour in the superconductivity of the $\text{Sr}_{0.9}\text{La}_{0.1}\text{CuO}_2$ n-doped high- $T_c$ superconductor. Journal of Physics Condensed Matter, 2008, 20, 104237.	0.7	10
157	Origins of large critical temperature variations in single-layer cuprates. Physical Review B, 2008, 78, .	1.1	10
158	Pressure Effects in the Isoelectronic $\text{REFe}_0.85\text{Ir}_{0.15}\text{AsO}$ System. Journal of the American Chemical Society, 2011, 133, 3252-3255.	6.6	10
159	Cooperative coupling of static magnetism and bulk superconductivity in the stripe phase of $\text{La}_{1-x}\text{Sr}_x\text{CuO}_2$ . Physical Review B, 2016, 94, .		
160	Conventional isotropic s-wave superconductivity with strong electron-phonon coupling in $\text{Sc}_5\text{Rh}_6$ . Physical Review B, 2020, 101, 020407.	1.1	10
161	Multigap superconductivity in the $\text{Mo}_5\text{P}_2$ boron phosphorus compound. New Journal of Physics, 2020, 22, 093016.	1.2	10
162	Slow magnetic fluctuations and superconductivity in fluorine-doped $\text{NdFeAsO}$ . Physical Review B, 2015, 91, .	1.1	9

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163	Relevance of electron-phonon lattice coupling in cuprate superconductors. Journal of Physics Condensed Matter, 2003, 15, L763-L769.	0.7	8
164	Finite-size and pressure effects in YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> probed by magnetic-field penetration-depth measurements. Physical Review B, 2004, 70, .	1.1	8
165	Pressure effects on the superconducting properties of YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> . Physical Review B, 2005, 72, .	1.1	8
166	In-plane magnetic penetration depth $\lambda_{ab}$ of YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> clarified with high-pressure neutron scattering measurements. Physical Review B, 2007, 76, .	1.1	8
167	Magnetic field dependence of the basal-plane superconducting anisotropy in YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> from small-angle neutron scattering measurements of the vortex lattice. Physical Review B, 2014, 89, .	1.1	8
168	Complementary Response of Static Spin-Stripe Order and Superconductivity to Nonmagnetic Impurities in Cuprates. Physical Review Letters, 2017, 119, 087002.	2.9	8
169	Pressure effects on the electronic properties of the undoped superconductor ThFeAsN. Physical Review B, 2018, 97, .	1.1	8
170	Magnetic phase boundary of BaVS <sub>3</sub> clarified with high-pressure neutron scattering measurements. Physical Review B, 2020, 101, .	1.1	8
171	Field-dependent superfluid density in the optimally doped SmFeAsO <sub>1-x</sub> F <sub>y</sub> superconductor. Europhysics Letters, 2010, 91, 47005.	0.7	7
172	Magnetic ordering in the ultrapure site-diluted spin chain materials SrCu <sub>1-x</sub> Ni <sub>x</sub> O <sub>2</sub> . Physical Review B, 2016, 93, .	1.1	7
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