

Rustem Khasanov

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224
papers

6,609
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40
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73
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239
ext. papers

7,474
ext. citations

4.6
avg, IF

5.23
L-index

#	Paper	IF	Citations
224	The electronic phase diagram of the LaO(1-x)F(x)FeAs superconductor. <i>Nature Materials</i> , 2009 , 8, 305-9	27	363
223	Commensurate spin density wave in LaFeAsO: a local probe study. <i>Physical Review Letters</i> , 2008 , 101, 077005	7.4	258
222	Synthesis and crystal growth of Cs(0.8)(FeSe(0.98))(2): a new iron-based superconductor with T(c) = 27K. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 052203	1.8	236
221	Competition between the pseudogap and superconductivity in the high-T(c) copper oxides. <i>Nature</i> , 2009 , 457, 296-300	50.4	209
220	Field and temperature dependence of the superfluid density in LaFeAsO1-xFx superconductors: a muon spin relaxation study. <i>Physical Review Letters</i> , 2008 , 101, 097009	7.4	160
219	Coexistence of magnetism and superconductivity in the iron-based compound Cs0.8(FeSe0.98)2. <i>Physical Review Letters</i> , 2011 , 106, 117602	7.4	153
218	Pressure induced static magnetic order in superconducting FeSe1-x. <i>Physical Review Letters</i> , 2010 , 104, 087003	7.4	149
217	Experimental evidence for two gaps in the high-temperature La1.83Sr0.17CuO4 superconductor. <i>Physical Review Letters</i> , 2007 , 98, 057007	7.4	128
216	Synthesis, crystal structure, and chemical stability of the superconductor FeSe1-x. <i>Physical Review B</i> , 2009 , 80,	3.3	124
215	Direct observation of the oxygen isotope effect on the in-plane magnetic field penetration depth in optimally doped YBa2Cu3O7-delta. <i>Physical Review Letters</i> , 2004 , 92, 057602	7.4	120
214	Strong coupling between magnetic and structural order parameters in SrFe2As2. <i>Physical Review B</i> , 2008 , 78,	3.3	119
213	Momentum-resolved superconducting gap in the bulk of Ba1-xKxFe2As2 from combined ARPES and BR measurements. <i>New Journal of Physics</i> , 2009 , 11, 055069	2.9	115
212	Interplay of rare earth and iron magnetism in RFeAsO (R=La, Ce, Pr, and Sm): Muon-spin relaxation study and symmetry analysis. <i>Physical Review B</i> , 2009 , 80,	3.3	114
211	Coexistence of incommensurate magnetism and superconductivity in Fe1+ySexTe1-x. <i>Physical Review B</i> , 2009 , 80,	3.3	112
210	Coexistence of superconductivity and magnetism in FeSe1-x under pressure. <i>Physical Review B</i> , 2012 , 85,	3.3	109
209	Anisotropic superconducting properties of single-crystalline FeSe0.5Te0.5. <i>Physical Review B</i> , 2010 , 81,	3.3	108
208	Two-gap superconductivity in Ba1-xKxFe2As2: a complementary study of the magnetic penetration depth by muon-spin rotation and angle-resolved photoemission. <i>Physical Review Letters</i> , 2009 , 102, 187005	7.4	98

207	Implantation studies of keV positive muons in thin metallic layers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 192, 254-266	1.2	96
206	Evidence of nodeless superconductivity in FeSe _{0.85} from a muon-spin-rotation study of the in-plane magnetic penetration depth. <i>Physical Review B</i> , 2008 , 78,	3.3	92
205	Microscopic coexistence of superconductivity and magnetism in Ba(1-x)K(x)Fe ₂ As ₂ . <i>Physical Review Letters</i> , 2011 , 107, 237001	7.4	89
204	Evolution of two-gap behavior of the superconductor FeSe _{1-x} . <i>Physical Review Letters</i> , 2010 , 104, 087004	7.4	88
203	Tuning the superconducting and magnetic properties of Fe _y Se _{0.25} Te _{0.75} by varying the iron content. <i>Physical Review B</i> , 2010 , 82,	3.3	88
202	Evidence for time-reversal symmetry breaking in superconducting PrPt ₄ Ge ₁₂ . <i>Physical Review B</i> , 2010 , 82,	3.3	86
201	Muon spin rotation studies of SmFeAsO _{0.85} and NdFeAsO _{0.85} superconductors. <i>Physical Review B</i> , 2008 , 78,	3.3	84
200	Multiple gap symmetries for the order parameter of cuprate superconductors from penetration depth measurements. <i>Physical Review Letters</i> , 2007 , 99, 237601	7.4	83
199	Unexpected Fermi-surface nesting in the pnictide parent compounds BaFe ₂ As ₂ and CaFe ₂ As ₂ revealed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2010 , 81,	3.3	73
198	Three- to two-dimensional transition of the electronic structure in CaFe ₂ As ₂ : a parent compound for an iron arsenic high-temperature superconductor. <i>Physical Review Letters</i> , 2009 , 102, 167004	7.4	71
197	Nano-scale thin film investigations with slow polarized muons. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S4583-S4601	1.8	69
196	Orbital and spin effects for the upper critical field in As-deficient disordered Fe pnictide superconductors. <i>New Journal of Physics</i> , 2009 , 11, 075007	2.9	64
195	Signatures of the topological s superconducting order parameter in the type-II Weyl semimetal T-MoTe. <i>Nature Communications</i> , 2017 , 8, 1082	17.4	62
194	Superconducting properties of single-crystalline A _x Fe ₂ □ _{1-x} Se ₂ (A=Rb, K) studied using muon spin spectroscopy. <i>Physical Review B</i> , 2012 , 85,	3.3	59
193	Iron isotope effect on the superconducting transition temperature and the crystal structure of FeSe _{1-x} . <i>New Journal of Physics</i> , 2010 , 12, 073024	2.9	58
192	Magnetism in semiconducting molybdenum dichalcogenides. <i>Science Advances</i> , 2018 , 4, eaat3672	14.3	56
191	Superconductivity in a new layered bismuth oxyselenide: LaO(0.5)F(0.5)BiSe□. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 215702	1.8	55
190	High pressure research using muons at the Paul Scherrer Institute. <i>High Pressure Research</i> , 2016 , 36, 140-166	16.6	51

189	Comparison of different methods for analyzing BR line shapes in the vortex state of type-II superconductors. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 075701	1.8	49
188	Superfluid density and energy gap function of superconducting PrPt4Ge12. <i>Physical Review Letters</i> , 2009 , 103, 147002	7.4	48
187	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological Kagome magnet. <i>Nature Communications</i> , 2020 , 11, 559	17.4	47
186	s-Wave Symmetry Along the c-Axis and s+d In-plane Superconductivity in Bulk YBa2Cu4O8. <i>Journal of Superconductivity and Novel Magnetism</i> , 2008 , 21, 81-85	1.5	44
185	Pressure effects on the transition temperature and the magnetic field penetration depth in the pyrochlore superconductor RbOs2O6. <i>Physical Review Letters</i> , 2004 , 93, 157004	7.4	43
184	The oxygen isotope effect on the in-plane penetration depth in cuprate superconductors. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S4439-S4455	1.8	40
183	Breakdown of Magnetic Order in the Pressurized Kitaev Iridate Li_2IrO_3 . <i>Physical Review Letters</i> , 2018 , 120, 237202	7.4	38
182	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. <i>Physical Review Letters</i> , 2005 , 94, 127001	7.4	38
181	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. <i>Physical Review B</i> , 2004 , 69,	3.3	37
180	Oxygen isotope effects on the superconducting transition and magnetic states within the phase diagram of $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$. <i>Physical Review Letters</i> , 2008 , 101, 077001	7.4	36
179	Magnetic penetration depth in RbOs_2O_6 studied by muon spin rotation. <i>Physical Review B</i> , 2005 , 72,	3.3	36
178	Muon-spin-rotation measurements of the penetration depth in $\text{Li}_2\text{Pd}_3\text{B}$. <i>Physical Review B</i> , 2006 , 73,	3.3	35
177	Observation of the conduction electron spin polarization in the Ag spacer of a Fe/Fg/Fe trilayer. <i>Physical Review Letters</i> , 2003 , 91, 017204	7.4	35
176	Possible realization of an antiferromagnetic Griffiths phase in $\text{Ba}(\text{Fe}_{1-x}\text{Mn}_x)_2\text{As}_2$. <i>Physical Review B</i> , 2013 , 87,	3.3	34
175	Pressure-induced electronic phase separation of magnetism and superconductivity in CrAs. <i>Scientific Reports</i> , 2015 , 5, 13788	4.9	34
174	Tuning of competing magnetic and superconducting phase volumes in $\text{LaFeAsO}_{0.945}\text{F}_{0.055}$ by hydrostatic pressure. <i>Physical Review B</i> , 2011 , 84,	3.3	34
173	Magnetic excitations of $\text{Fe}_{(1+y)}\text{Se}_x\text{Te}_{(1-x)}$ in magnetic and superconductive phases. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 142202	1.8	33
172	Site-selective oxygen isotope effect on the magnetic-field penetration depth in underdoped $\text{Y}_{0.6}\text{Pr}_{0.4}\text{Ba}_2\text{Cu}_3\text{O}_7$. <i>Physical Review B</i> , 2003 , 68,	3.3	33

171	Superconductivity and field-induced magnetism in SrFe _{1.75} Co _{0.25} As ₂ . <i>Physical Review Letters</i> , 2009 , 103, 067010	7.4	32
170	Magnetic properties of RuSr ₂ RECu ₂ O ₈ (RE=Gd, Eu) and Ru _{1-x} Sr ₂ GdCu _{2+x} O ₈ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 364-365, 313-319	1.3	32
169	Muon-spin rotation measurements of the penetration depth of the Mo ₃ Sb ₇ superconductor. <i>Physical Review B</i> , 2008 , 78,	3.3	31
168	The oxygen-isotope effect on the in-plane penetration depth in underdoped Y _{1-x} Pr _x Ba ₂ Cu ₃ O _{7-δ} (as revealed by muon-spin rotation. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, L17-L23	1.8	31
167	Direct observation of nonlocal effects in a superconductor. <i>Physical Review Letters</i> , 2004 , 92, 087001	7.4	31
166	Effect of external pressure on the magnetic properties of LnFeAsO (Ln = La, Ce, Pr, Sm). <i>Superconductor Science and Technology</i> , 2012 , 25, 084009	3.1	29
165	Common effect of chemical and external pressures on the magnetic properties of RCoPO (R = La, Pr). <i>Physical Review B</i> , 2013 , 87,	3.3	29
164	Mixed order parameter symmetries in cuprate superconductors. <i>Europhysics Letters</i> , 2007 , 77, 27002	1.6	29
163	Direct evidence for a pressure-induced nodal superconducting gap in the Ba _{0.65} Rb _{0.35} Fe ₂ As ₂ superconductor. <i>Nature Communications</i> , 2015 , 6, 8863	17.4	28
162	Low superfluid density and possible multigap superconductivity in the BiS ₂ -based layered superconductor Bi ₄ O ₄ S ₃ . <i>Physical Review B</i> , 2013 , 88,	3.3	28
161	Evolution of magnetic interactions in a pressure-induced Jahn-Teller driven magnetic dimensionality switch. <i>Physical Review B</i> , 2013 , 87,	3.3	28
160	Observation of nonexponential magnetic penetration profiles in the Meissner state: A manifestation of nonlocal effects in superconductors. <i>Physical Review B</i> , 2005 , 72,	3.3	28
159	Anisotropy and internal-field distribution of MgB ₂ in the mixed state at low temperatures. <i>Physical Review B</i> , 2004 , 70,	3.3	27
158	Microscopic study of the superconducting state of the iron pnictide RbFe ₂ As ₂ via muon spin rotation. <i>Physical Review B</i> , 2010 , 82,	3.3	26
157	Surface dynamics of a thin polystyrene film probed by low-energy muons. <i>Physical Review B</i> , 2005 , 72,	3.3	26
156	Coexistence of low-moment magnetism and superconductivity in tetragonal FeS and suppression of T _c under pressure. <i>Physical Review B</i> , 2016 , 93,	3.3	25
155	Proximity-induced superconductivity within the insulating (Li _{0.84} Fe _{0.16})OH layers in (Li _{0.84} Fe _{0.16})OHFe _{0.98} Se. <i>Physical Review B</i> , 2016 , 93,	3.3	25
154	Pressure-induced ferromagnetism in antiferromagnetic Fe _{1.03} Te. <i>Physical Review B</i> , 2013 , 87,	3.3	25

153	Evidence for a competition between the superconducting state and the pseudogap state of (BiPb) ₂ (SrLa) ₂ CuO _{6+δ} from muon spin rotation experiments. <i>Physical Review Letters</i> , 2008 , 101, 227002	7.4	24
152	Reentrant quantum criticality in Yb ₂ Pd ₂ Sn. <i>Physical Review B</i> , 2011 , 83,	3.3	23
151	Superconductivity and magnetism in Rb _x Fe _{2-y} Se ₂ : Impact of thermal treatment on mesoscopic phase separation. <i>Physical Review B</i> , 2012 , 86,	3.3	23
150	Nodeless superconductivity in the infinite-layer electron-doped cuprate superconductor Sr _{0.9} La _{0.1} CuO ₂ . <i>Physical Review B</i> , 2008 , 77,	3.3	23
149	Anomalous electron-phonon coupling probed on the surface of superconductor ZrB ₁₂ . <i>Physical Review B</i> , 2005 , 72,	3.3	23
148	Ferromagnetic Quantum Critical Point Avoided by the Appearance of Another Magnetic Phase in LaCrGe ₃ under Pressure. <i>Physical Review Letters</i> , 2016 , 117, 037207	7.4	23
147	Low energy muons as probes of thin films and near surface regions. <i>Physica B: Condensed Matter</i> , 2003 , 326, 196-204	2.8	22
146	On the effect of heterovalent substitutions in ruthenocuprates. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 387, 33-39	1.3	22
145	Volume-wise destruction of the antiferromagnetic Mott insulating state through quantum tuning. <i>Nature Communications</i> , 2016 , 7, 12519	17.4	22
144	SrPt ₃ P: A two-band single-gap superconductor. <i>Physical Review B</i> , 2014 , 90,	3.3	21
143	Formation of hydrogen impurity States in silicon and insulators at low implantation energies. <i>Physical Review Letters</i> , 2007 , 98, 227401	7.4	21
142	Two-gap superconductivity in Mo ₈ Ga ₄ 1 and its evolution upon vanadium substitution. <i>Physical Review B</i> , 2017 , 96,	3.3	20
141	High-pressure magnetic state of MnP probed by means of muon-spin rotation. <i>Physical Review B</i> , 2016 , 93,	3.3	20
140	Photoemission and muon spin relaxation spectroscopy of the iron-based Rb _{0.77} Fe _{1.61} Se ₂ superconductor: Crucial role of the cigar-shaped Fermi surface. <i>Physical Review B</i> , 2013 , 88,	3.3	20
139	Superconducting and magnetic properties of Sr ₃ Ir ₄ Sn ₁₃ . <i>Physical Review B</i> , 2014 , 90,	3.3	20
138	Pressure-induced magnetic order in FeSe: A muon spin rotation study. <i>Physical Review B</i> , 2017 , 95,	3.3	19
137	Low-temperature magnetic fluctuations in the Kondo insulator SmB ₆ . <i>Physical Review B</i> , 2014 , 89,	3.3	19
136	Direct observation of the quantum critical point in heavy fermion CeRhSi ₃ . <i>Physical Review Letters</i> , 2012 , 108, 177204	7.4	19

135	Universal correlations of isotope effects in $Y_{1-x}Pr_xBa_2Cu_3O_{7-\delta}$. <i>Physical Review B</i> , 2008 , 77,	3.3	19
134	Restoration of quantum critical behavior by disorder in pressure-tuned (Mn,Fe)Si. <i>Npj Quantum Materials</i> , 2017 , 2,	5	18
133	Strong enhancement of s-wave superconductivity near a quantum critical point of $Ca_3Ir_4Sn_{13}$. <i>Physical Review B</i> , 2015 , 92,	3.3	18
132	Tuning the static spin-stripe phase and superconductivity in $La_{2-x}Ba_xCuO_4$ ($x = 1/8$) by hydrostatic pressure. <i>New Journal of Physics</i> , 2013 , 15, 093005	2.9	18
131	Muon-spin rotation measurements of the magnetic penetration depth in the iron-based superconductor $Ba_{1-x}Rb_xFe_2As_2$. <i>Physical Review B</i> , 2011 , 84,	3.3	18
130	Mutual Independence of Critical Temperature and Superfluid Density under Pressure in Optimally Electron-Doped Superconducting $LaFeAsO(1-x)F(x)$. <i>Physical Review Letters</i> , 2015 , 114, 247004	7.4	17
129	Two-dimensional superfluid density in an alkali metal-organic solvent intercalated iron selenide superconductor $Li(C_5H_5N)_0.2Fe_2Se_2$. <i>Physical Review Letters</i> , 2013 , 110, 137003	7.4	17
128	Intrinsic and structural isotope effects in iron-based superconductors. <i>Physical Review B</i> , 2010 , 82,	3.3	17
127	Interplay of composition, structure, magnetism, and superconductivity in $SmFeAs_{1-x}P_xO_{10}$. <i>Physical Review B</i> , 2011 , 84,	3.3	17
126	Ground state selection under pressure in the quantum pyrochlore magnet $YbTiO$. <i>Nature Communications</i> , 2017 , 8, 14810	17.4	16
125	Muon-Spin Rotation Study of the Ternary Noncentrosymmetric Superconductors $Li_2Pd_xPt_{3-x}B$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 337-342	1.5	16
124	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,	3.3	16
123	Effect of pressure on the Ginzburg-Landau parameter $\kappa = \lambda/\xi$ in YB_6 . <i>Physical Review Letters</i> , 2006 , 97, 157002	7.4	16
122	Absence of a boron isotope effect in the magnetic penetration depth of MgB_2 . <i>Physical Review B</i> , 2004 , 70,	3.3	16
121	Vortex motion in type-II superconductors probed by muon spin rotation and small-angle neutron scattering. <i>Physical Review B</i> , 2002 , 66,	3.3	16
120	A low-background piston-cylinder-type hybrid high pressure cell for muon-spin rotation/relaxation experiments. <i>High Pressure Research</i> , 2017 , 37, 449-464	1.6	15
119	Pressure-Induced Quantum Critical and Multicritical Points in a Frustrated Spin Liquid. <i>Physical Review Letters</i> , 2014 , 112,	7.4	15
118	Anomalies in the Fermi surface and band dispersion of quasi-one-dimensional CuO chains in the high-temperature superconductor $YBa_2Cu_4O_8$. <i>Physical Review Letters</i> , 2010 , 105, 267003	7.4	15

117	Real and Marginal Isotope Effects in Cuprate Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2007 , 20, 393-396	1.5	15
116	Dual character of the electronic structure of YBa ₂ Cu ₄ O ₈ : the conduction bands of CuO ₂ planes and CuO chains. <i>Physical Review Letters</i> , 2007 , 98, 157002	7.4	15
115	Probing the multi gap behavior within 111 and 122 families of iron based superconductors: the muon-spin rotation studies. <i>Superconductor Science and Technology</i> , 2015 , 28, 034003	3.1	14
114	Isotope and interband effects in a multi-band model of superconductivity. <i>New Journal of Physics</i> , 2011 , 13, 093009	2.9	14
113	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	1.3	14
112	Superfluid density and superconducting gaps of RbFe ₂ As ₂ as a function of hydrostatic pressure. <i>Physical Review B</i> , 2012 , 86,	3.3	14
111	Chemical and hydrostatic-pressure effects on the Kitaev honeycomb material Na ₂ IrO ₃ . <i>Physical Review B</i> , 2018 , 98,	3.3	14
110	In-plane magnetic penetration depth of superconducting CaKFe ₄ As ₄ . <i>Physical Review B</i> , 2018 , 97,	3.3	13
109	Pressure Effects in the Iron Chalcogenides. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 965-968	1.5	13
108	Suppression of the antinodal coherence of superconducting (Bi,Pb) ₂ (Sr,La) ₂ CuO _{6+δ} as revealed by muon spin rotation and angle-resolved photoemission. <i>Physical Review B</i> , 2010 , 82,	3.3	13
107	Zero-field superfluid density in a d-wave superconductor evaluated from muon-spin-rotation experiments in the vortex state. <i>Physical Review B</i> , 2009 , 79,	3.3	13
106	Anomalous asymmetry in the Fermi surface of the high-temperature superconductor YBa ₂ Cu ₄ O ₈ revealed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2009 , 80,	3.3	13
105	Coexistence and coupling of superconductivity and magnetism in thin film structures. <i>Physical Review Letters</i> , 2005 , 95, 197201	7.4	13
104	Gradual enhancement of stripe-type antiferromagnetism in the spin-ladder material BaFe ₂ S ₃ under pressure. <i>Physical Review B</i> , 2018 , 98,	3.3	13
103	Superconducting nature of the Bi-II phase of elemental bismuth. <i>Physical Review B</i> , 2019 , 99,	3.3	12
102	Pressure effect on the magnetic penetration depth in MgB ₂ . <i>Physical Review B</i> , 2005 , 72,	3.3	12
101	Pressure effect on the in-plane magnetic penetration depth in YBa ₂ Cu ₄ O ₈ . <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 2453-2460	1.8	12
100	Anisotropy induced vortex lattice rearrangement in CaKFe ₄ As ₄ . <i>Physical Review B</i> , 2019 , 99,	3.3	11

99	Magnetic tricritical point and nematicity in FeSe under pressure. <i>Physical Review B</i> , 2018 , 97,	3.3	11
98	Pressure effects on the magnetic transition temperature in ordered double perovskites. <i>Physical Review B</i> , 2008 , 78,	3.3	11
97	Depth-dependent spin dynamics of canonical spin-glass films: a low-energy muon-spin-rotation study. <i>Physical Review Letters</i> , 2008 , 100, 147205	7.4	11
96	Evidence for charged critical behavior in the pyrochlore superconductor RbOs ₂ O ₆ . <i>Physical Review Letters</i> , 2005 , 94, 077002	7.4	11
95	Nodeless superconductivity and its evolution with pressure in the layered dirac semimetal 2M-WS ₂ . <i>Npj Quantum Materials</i> , 2019 , 4,	5	10
94	Muon spin rotation study of type-I superconductivity: Elemental Sn. <i>Physical Review B</i> , 2019 , 99,	3.3	10
93	Probing the pairing symmetry in the over-doped Fe-based superconductor Ba _{0.35} Rb _{0.65} Fe ₂ As ₂ as a function of hydrostatic pressure. <i>Physical Review B</i> , 2016 , 93,	3.3	10
92	Extended Magnetic Dome Induced by Low Pressures in Superconducting FeSe _{1-x} S _x . <i>Physical Review Letters</i> , 2019 , 123, 147001	7.4	10
91	Negative oxygen isotope effect on the static spin stripe order in superconducting La _{2-x} Ba _x CuO ₄ (x=1/8) observed by muon-spin rotation. <i>Physical Review Letters</i> , 2014 , 113, 057002	7.4	10
90	Pressure effects in the isoelectronic RFe _{0.85} Ir _{0.15} AsO system. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3252-5	16.4	10
89	Finite gap behaviour in the superconductivity of the ∞ -layer ∞ -doped high-T _c superconductor Sr _{0.9} La _{0.1} CuO ₂ . <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 104237	1.8	10
88	Magnetic-field dependence of the oxygen isotope effect on the magnetic penetration depth of hole-doped cuprate superconductors. <i>Physical Review B</i> , 2007 , 75,	3.3	10
87	Time-reversal symmetry-breaking charge order in a kagome superconductor.. <i>Nature</i> , 2022 , 602, 245-250	50.4	10
86	Superconductivity of Bi-III phase of elemental bismuth: Insights from muon-spin rotation and density functional theory. <i>Physical Review B</i> , 2018 , 98,	3.3	10
85	Magnetic states of MnP: muon-spin rotation studies. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 164003	10.3	9
84	Origins of large critical temperature variations in single-layer cuprates. <i>Physical Review B</i> , 2008 , 78,	3.3	9
83	Single-gap versus two-gap scenario: Specific heat and thermodynamic critical field of the noncentrosymmetric superconductor BeAu. <i>Physical Review B</i> , 2020 , 102,	3.3	9
82	Nodeless kagome superconductivity in LaRu ₃ Si ₂ . <i>Physical Review Materials</i> , 2021 , 5,	3.2	9

81	Unconventional scaling of the superfluid density with the critical temperature in transition metal dichalcogenides. <i>Science Advances</i> , 2019 , 5, eaav8465	14.3	9
80	Weak interband-coupling superconductivity in the filled skutterudite LaPt ₄ Ge ₁₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	8
79	Slow magnetic fluctuations and superconductivity in fluorine-doped NdFeAsO. <i>Physical Review B</i> , 2015 , 91,	3.3	8
78	Direct observation of a Fermi surface and superconducting gap in LuNi ₂ B ₂ C. <i>Physical Review B</i> , 2008 , 77,	3.3	8
77	In-plane magnetic penetration depth μ_B in Ca _{2-x} NaxCuO ₂ Cl ₂ : Role of the apical sites. <i>Physical Review B</i> , 2007 , 76,	3.3	8
76	Finite-size and pressure effects in YBa ₂ Cu ₄ O ₈ probed by magnetic-field penetration-depth measurements. <i>Physical Review B</i> , 2004 , 70,	3.3	8
75	Pressure effects on the superconducting properties of YBa ₂ Cu ₄ O ₈ . <i>Physical Review B</i> , 2005 , 72,	3.3	8
74	Multiple-gap response of type-I noncentrosymmetric BeAu superconductor. <i>Physical Review Research</i> , 2020 , 2,	3.9	8
73	Unsplit superconducting and time reversal symmetry breaking transitions in SrRuO under hydrostatic pressure and disorder. <i>Nature Communications</i> , 2021 , 12, 3920	17.4	8
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