

Pengcheng Dai

List of Publications by Year in descending order

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298
papers

17,363
citations

17440

63
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16650

123
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308
all docs

308
docs citations

308
times ranked

7703
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic order close to superconductivity in the iron-based layered $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$ systems. <i>Nature</i> , 2008, 453, 899-902.	27.8	1,725
2	Structural and magnetic phase diagram of $\text{CeFeAsO}_{1-x}\text{F}_x$ and its relation to high-temperature superconductivity. <i>Nature Materials</i> , 2008, 7, 953-959.	27.5	706
3	Antiferromagnetic order and spin dynamics in iron-based superconductors. <i>Reviews of Modern Physics</i> , 2015, 87, 855-896.	45.6	560
4	Localized vibrational modes in metallic solids. <i>Nature</i> , 1998, 395, 876-878.	27.8	532
5	First-order magnetic and structural phase transitions in $\text{Fe}_x\text{M}_2\text{As}_2$. <i>Physical Review B</i> , 2009, 79, .	3.2	488
6	Magnetism and its microscopic origin in iron-based high-temperature superconductors. <i>Nature Physics</i> , 2012, 8, 709-718.	16.7	481
7	Spin waves and magnetic exchange interactions in CaFe_2As_2 . <i>Nature Physics</i> , 2009, 5, 555-560.	16.7	366
8	The structure of the high-energy spin excitations in a high-transition-temperature superconductor. <i>Nature</i> , 2004, 429, 531-534.	27.8	340
9	Spin fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. <i>Nature</i> , 1998, 395, 580-582.	27.8	306
10	Evolution of the resonance and incommensurate spin fluctuations in superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. <i>Physical Review B</i> , 2001, 63, .	3.2	289
11	The Magnetic Excitation Spectrum and Thermodynamics of High-Tc Superconductors. <i>Science</i> , 1999, 284, 1344-1347.	12.6	265
12	Experimental evidence for the dynamic Jahn-Teller effect in $\text{La}_{0.65}\text{Ca}_{0.35}\text{MnO}_3$. <i>Physical Review B</i> , 1996, 54, R3694-R3697.	3.2	230
13	Incommensurate Magnetic Fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. <i>Physical Review Letters</i> , 1998, 80, 1738-1741.	7.8	222
14	One-dimensional nature of the magnetic fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. <i>Nature</i> , 2000, 404, 729-731.	27.8	214
15	Time-reversal symmetry-breaking charge order in a kagome superconductor. <i>Nature</i> , 2022, 602, 245-250.	27.8	207
16	Short-Range Polaron Correlations in the Ferromagnetic $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Physical Review Letters</i> , 2000, 85, 2553-2556.	7.8	196
17	Nematic spin fluid in the tetragonal phase of BaFe_2As_2 . <i>Physical Review B</i> , 2011, 84, .	3.2	188
18	Topological Spin Excitations in Honeycomb Ferromagnet CrI_3 . <i>Physical Review X</i> , 2018, 8, .	8.9	188

#	ARTICLE	IF	CITATIONS
19	Spin and lattice structures of single-crystalline SrFe_2As_2 . Physical Review B, 2008, 78, .	3.2	184
20	Spontaneous spin-lattice coupling in the geometrically frustrated triangular lattice antiferromagnet CuFeO_2 . Physical Review B, 2006, 73, .	3.2	181
21	Resonance as a measure of pairing correlations in the high- T_c superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. Nature, 2000, 406, 965-968.	27.8	180
22	Inelastic Neutron-Scattering Measurements of a Three-Dimensional Spin Resonance in the FeAs-Based $\text{BaFe}_{1.9}\text{Ni}$. Physical Review Letters, 2009, 102, 107006.	7.8	170
23	Iron-based high transition temperature superconductors. National Science Review, 2014, 1, 371-395.	9.5	167
24	Nematic spin correlations in the tetragonal state of uniaxial-strained $\text{BaFe}_2\text{NiAs}_2$. Science, 2014, 345, 657-660.	12.6	167
25	Evolution of the Low-Frequency Spin Dynamics in Ferromagnetic Manganites. Physical Review Letters, 1998, 80, 4012-4015.	7.8	165
26	Low Energy Spin Waves and Magnetic Interactions in SrFe_2As_2 . Physical Review Letters, 2008, 101, 167203.	7.8	161
27	The Magnetic Genome of Two-Dimensional van der Waals Materials. ACS Nano, 2022, 16, 6960-7079.	14.6	149
28	Structural and magnetic phase transitions in NaFe_3As_5 . Physical Review B, 2009, 80, .	3.2	141
29	Neutron studies of the iron-based family of high T_C magnetic superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 469-476.	1.2	140
30	Lattice and magnetic structures of PrFeAsO and $\text{PrFeAsO}_{0.85}$. Physical Review B, 2008, 78, .	3.2	133
31	Charge and Spin Structure in $\text{YBa}_2\text{Cu}_3\text{O}_{6.35}$. Physical Review Letters, 2002, 88, 097004.	7.8	129
32	Magnetic order of the iron spins in NdFeAsO . Physical Review B, 2008, 78, .	3.2	122
33	Superconducting state coexisting with a phase-separated static magnetic order in BaFe_2As_2 . Physical Review B, 2009, 80, .	3.2	122
34	Magnon damping by magnon-phonon coupling in manganese perovskites. Physical Review B, 2000, 61, 9553-9557.	3.2	120
35	Nature of magnetic excitations in superconducting $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$. Nature Physics, 2012, 8, 376-381.	16.7	120
36	Softening and Broadening of the Zone Boundary Magnons in $\text{Pr}_{0.63}\text{Sr}_{0.37}\text{MnO}_3$. Physical Review Letters, 1998, 80, 1316-1319.	7.8	118

#	ARTICLE	IF	CITATIONS
37	Magnetic Dynamics in Underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$: Direct Observation of a Superconducting Gap. <i>Physical Review Letters</i> , 1996, 77, 5425-5428.	7.8	114
38	Resonance in the electron-doped high-transition-temperature superconductor $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$. <i>Nature</i> , 2006, 442, 59-62.	27.8	112
39	Antiferromagnetic order as the competing ground state in electron-doped $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>Nature</i> , 2003, 423, 522-525.	27.8	108
40	Electronic nature of chiral charge order in the kagome superconductor CsV_3Sb_5 . <i>Physical Review B</i> , 2021, 104, .	3.2	108
41	Doping evolution of antiferromagnetic order and structural distortion in LaFeAsO . <i>Physical Review B</i> , 2008, 78, .	3.2	103
42	Observation of a ubiquitous three-dimensional superconducting gap function in optimally doped $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$. <i>Nature Physics</i> , 2011, 7, 198-202.	16.7	101
43	Persistent high-energy spin excitations in iron-pnictide superconductors. <i>Nature Communications</i> , 2013, 4, 1470.	12.8	101
44	Microscopic annealing process and its impact on superconductivity in T_jETeO_g -structure electron-doped copper oxides. <i>Nature Materials</i> , 2007, 6, 224-229.	27.5	97
45	Spin waves in $\text{FeTe}_{1-x}\text{Se}_x$. <i>Physical Review B</i> , 2011, 84, 041101.	7.8	96
46	Doping dependence of spin excitations and its correlations with high-temperature superconductivity in iron pnictides. <i>Nature Communications</i> , 2013, 4, 2874.	12.8	94
47	Experimental signatures of a three-dimensional quantum spin liquid in effective spin-1/2 $\text{Ce}_2\text{Zr}_2\text{O}_7$ pyrochlore. <i>Nature Physics</i> , 2019, 15, 1052-1057.	16.7	92
48	Muon-spin-relaxation studies of magnetic order and superfluid density in antiferromagnetic NdFeAsO , BaFe_2As_2 , and superconducting $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2008, 78, .	3.2	89
49	Coexistence and Competition of the Short-Range Incommensurate Antiferromagnetic Order with the Superconducting State of BaFe_2As_2 . <i>Physical Review Letters</i> , 2012, 108, 247002.	7.8	88
50	Spin waves and magnetic exchange interactions in insulating $\text{Rb}_{0.89}\text{Fe}_{1.58}\text{Se}_2$. <i>Nature Communications</i> , 2011, 2, 580.	12.8	85
51	Anisotropic structure of the order parameter in $\text{FeSe}_{0.45}\text{Te}_{0.55}$ revealed by angle-resolved specific heat. <i>Nature Communications</i> , 2010, 1, 112.	12.8	83
52	Dramatic Switching of Magnetic Exchange in a Classic Transition Metal Oxide: Evidence for Orbital Ordering. <i>Physical Review Letters</i> , 1997, 78, 507-510.	7.8	76
53	Critical quadrupole fluctuations and collective modes in iron pnictide superconductors. <i>Physical Review B</i> , 2016, 93, .	3.2	74
54	A distinct bosonic mode in an electron-doped high-transition-temperature superconductor. <i>Nature</i> , 2007, 450, 1058-1061.	27.8	73

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55	Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor BaFe_2As_2 . Physical Review B, 2010, 81, .	3.2	73
56	Neutron Scattering Studies of spin excitations in hole-doped $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$ superconductor. Scientific Reports, 2011, 1, 115.	3.3	72
57	Synthesis and neutron powder diffraction study of the superconductor $\text{HgBa}_2\text{Ca}_2\text{Cu}_3\text{O}_8 + \hat{\Gamma}$ by Tl substitution. Physica C: Superconductivity and Its Applications, 1995, 243, 201-206.	1.2	71
58	Magnetic Quantum Oscillations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.61}$ and $\text{YBa}_2\text{Cu}_3\text{O}_7$. Physical Review B, 2013, 87, 040407.	7.8	68
59	Avoided Quantum Criticality and Magnetoelastic Coupling in BaFe_2As_2 . Physical Review Letters, 2013, 110, 257001.	7.8	68
60	Magnetic anisotropy in ferromagnetic CrI_3 . Physical Review B, 2020, 101, .	3.4	68
61	High-resolution spin-polarized neutron diffraction effect and double-fan spin structure with a c -axis component in the metallic Kagome antiferromagnetic compound YMn_6S_8 . Physical Review B, 2021, 103, .	3.2	67
62	Nematic Energy Scale and the Missing Electron Pocket in FeSe. Physical Review X, 2019, 9, .	8.9	66
63	Spin gap and magnetic resonance in superconducting BaFe_2As_2 . Physical Review B, 2009, 79, .	3.2	63
64	Lattice Distortion and Magnetic Quantum Phase Transition in CeFeAs_2 . Physical Review Letters, 2010, 104, 017204.	7.8	63
65	Quasielastic neutron scattering and molecular dynamics simulation studies of the melting transition in butane and hexane monolayers adsorbed on graphite. Journal of Chemical Physics, 1997, 107, 5186-5196.	3.0	62
66	Direct observation of magnon-phonon coupling in yttrium iron garnet. Physical Review B, 2017, 96, .	3.2	61
67	Static Magnetic Order and Superfluid Density of RFeAs_2 . Physical Review B, 2017, 96, .	3.2	61

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73	Spin Excitation Anisotropy as a Probe of Orbital Ordering in the Paramagnetic Tetragonal Phase of Superconducting $\text{BaFe}_{1.904}\text{Ni}$ Physical Review Letters, 2013, 111, 107006.	7.8	56
74	Anisotropic neutron spin resonance in superconducting $\text{BaFe}_{1.9}\text{Ni}$ Physical Review B, 2010, 82, .	3.2	55
75	Effect of Pnictogen Height on Spin Waves in Iron Pnictides. Physical Review Letters, 2014, 112, . Antiferromagnetic order and superlattice structure in nonsuperconducting and superconducting Rb	7.8	55
76	FeSe Physical Review B, 2011,	3.2	54
77	Magnetic correlations and quantum criticality in the insulating antiferromagnetic, insulating spin liquid, renormalized Fermi liquid, and metallic antiferromagnetic phases of the Mott system V_2O_3 . Physical Review B, 1998, 58, 12727-12748.	3.2	53
78	Magnetic energy change available to superconducting condensation in optimally doped $\text{YBa}_2\text{Cu}_3\text{O}_{6.95}$. Nature Physics, 2006, 2, 600-604.	16.7	53
79	Evidence of a Spin Resonance Mode in the Iron-Based Superconductor $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ Scanning Tunneling Spectroscopy. Physical Review Letters, 2012, 108, 227002.	7.8	53
80	Close relationship between superconductivity and the bosonic mode in $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ and $\text{Na}(\text{Fe}_{0.975}\text{Co}_{0.025})\text{As}$. Nature Physics, 2013, 9, 42-48.	16.7	53
81	Incommensurate One-Dimensional Fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.93}$. Physical Review Letters, 1996, 77, 370-373.	7.8	52
82	High-Energy Spin Excitations in the Electron-Doped Superconductor $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$ with $T_c = 21\text{K}$. Physical Review Letters, 2006, 96, 157001.	7.8	51
83	Structural and Magnetic Phase Transitions near Optimal Superconductivity in $\text{BaFe}_{1.9}\text{Ni}$		

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91	Evolution of Spin-Wave Excitations in Ferromagnetic Metallic Manganites. Physical Review Letters, 2006, 96, 047204. Electron doping evolution of the anisotropic spin excitations in BaFe ₂ Ni ₂ As ₂ and pairing symmetries by neutron spin resonance in superconducting NaFe _{1-x} Co _x As. Physical Review Letters, 2007, 99, 017001.	7.8	45
92	Electron doping evolution of the magnetic excitations in BaFe ₂ Ni ₂ As ₂ . Physical Review Letters, 2007, 99, 017001.	3.2	45
93	Distinct pairing symmetries in Nd _{1.85} Ce _{0.15} CuO ₄ and La _{1.89} Sr _{0.11} CuO ₄ single crystals: Evidence from comparative tunneling measurements. Physical Review B, 2005, 72, .	3.2	44
94	Short-range cluster spin glass near optimal superconductivity in Ba _{1-x} Fe _x As. Physical Review B, 2014, 90, .	3.2	45
95	Neutron-Spin Resonance in the Optimally Electron-Doped Superconductor Nd _{1.85} Ce _{0.15} CuO ₄ . Physical Review Letters, 2007, 99, 017001.	7.8	44
96	Magnetic coupling in the insulating and metallic ferromagnetic La _{1-x} CaxMnO ₃ . Physical Review B, 2001, 64, .	3.2	43
97	Effect of a magnetic field on the long-range magnetic order in insulating Nd ₂ CuO ₄ and nonsuperconducting and superconducting Nd _{1.85} Ce _{0.15} CuO ₄ . Physical Review B, 2003, 68, .	3.2	42
98	Anisotropic but Nodeless Superconducting Gap in the Presence of Spin-Density Wave in Iron-Pnictide Superconductor NaFe _{1-x} Co _x As. Physical Review Letters, 2007, 99, 017001.	8.9	42
99	Electron doping evolution of the magnetic excitations in BaFe ₂ Ni ₂ As ₂ . Physical Review Letters, 2007, 99, 017001.	3.2	42
100	Spinon Fermi Surface Spin Liquid in a Triangular Lattice Antiferromagnet NaYbSe ₂ . Physical Review X, 2021, 11, .	8.9	42
101	Momentum Dependence of the Nematic Order Parameter in Iron-Based Superconductors. Physical Review Letters, 2019, 123, 066402.	7.8	41
102	Measurement of a Double Neutron-Spin Resonance and an Anisotropic Energy Gap for Underdoped Superconducting NaFe _{1-x} Co _x As. Physical Review Letters, 2013, 111, 207002.	7.8	40
103	Magnons in ferromagnetic metallic manganites. Journal of Physics Condensed Matter, 2007, 19, 315204.	1.8	38
104	Magnetic Field Effect on Topological Spin Excitations in CrI ₃ . Physical Review X, 2021, 11, .	8.9	37
105	Evolution of low-energy spin dynamics in the electron-doped high-transition-temperature superconductor Pr _{0.88} La _{Ce_{0.12}} CuO ₄ . Physical Review B, 2006, 74, .	3.2	36
106	Transition from Three-Dimensional Anisotropic Spin Excitations to Two-Dimensional Spin Excitations by Electron Doping the FeAs-Based BaFe ₂ Ni ₂ As ₂ . Physical Review Letters, 2009, 103, 087005.	7.8	36
107	A Mott insulator continuously connected to iron pnictide superconductors. Nature Communications, 2016, 7, 13879.	12.8	36

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109	Re-entrant spin glass behavior in Mn-rich YMnO ₃ . Applied Physics Letters, 2005, 87, 042508.	3.3	35
110	Normal-State Hourglass Dispersion of the Spin Excitations in Fe _{1-x} SexTe. Physical Review Letters, 2010, 105, 157002.	7.8	34
111	Neutron spin resonance as a probe of the superconducting energy gap of BaFe _{1.9} As ₂ . Physical Review B, 2010, 81, .	3.2	34
112	Longitudinal Spin Excitations and Magnetic Anisotropy in Antiferromagnetically Ordered BaFe ₂ As ₂ . Physical Review X, 2013, 3, .	8.9	34
113	In-plane spin excitation anisotropy in the paramagnetic state of NaFeAs. Physical Review B, 2013, 88, .	3.2	34
114	Structure and composition of the superconducting phase in alkali iron selenide K _{1-y} Fe _{1.5y} Se ₂ . Physical Review B, 2014, 89, .	3.2	34
115	Resonance from antiferromagnetic spin fluctuations for superconductivity in UTe ₂ . Nature, 2021, 600, 636-640.	27.8	34
116	Electronic inhomogeneity and competing phases in electron-doped superconducting Pr _{0.88} LaCe _{0.12} CuO ₄ ±f. Physical Review B, 2005, 71, .	3.2	33
117	Uniaxial pressure driven structural and magnetic phase transitions in NaFeAs and its comparison with as-grown and annealed BaFe ₂ As ₂ . Physical Review B, 2013, 87, .	3.2	33
118	Nematic Quantum Critical Fluctuations in BaFe ₂ As ₂ . Physical Review Letters, 2016, 117, 157002.	7.8	33
119	Evolution of normal and superconducting properties of single crystals of Na _{1-x} FeAs upon interaction with environment. Physical Review B, 2012, 85, .	3.2	32
120	Impact of uniaxial pressure on structural and magnetic phase transitions in electron-doped iron pnictides. Physical Review B, 2016, 93, .	3.2	32
121	Spin waves throughout the Brillouin zone and magnetic exchange coupling in the ferromagnetic metallic manganites La _{1-x} CaxMnO ₃ (x=0.25,0.30). Physical Review B, 2007, 75, .	3.2	31
122	Weak-coupling Bardeen-Cooper-Schrieffer superconductivity in the electron-doped cuprate superconductors. Physical Review B, 2008, 77, .	3.2	31
123	Orbital Selective Spin Excitations and their Impact on Superconductivity of LiFeAs. Physical Review Letters, 2016, 116, 247001.	7.8	31
124	Neutron Scattering Studies of Y _{1-x} UxPd ₃ Compounds. Physical Review Letters, 1995, 75, 1202-1205.	7.8	30
125	Growth of n-alkane films on a single-crystal substrate. Chemical Physics Letters, 2001, 348, 168-174.	2.6	30
126	Magnetic field effect on static antiferromagnetic order and spin excitations in the underdoped iron arsenide superconductor BaFe _{1.92} Ni _{0.08} . Physical Review B, 2013, 87, .	3.2	30

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127	Antiferromagnetic spin excitations in single crystals of nonsuperconducting $\text{Li1}\hat{a}^{\sim}\text{xFeAs}$. Physical Review B, 2011, 83, .	3.2	30
128	Strong-coupling superconductivity in NaFe <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>\hat{\sim}</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math><Co<mml:math</small> <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>\hat{\sim}</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>>As: Validity of Eliashberg theory. Physical Review B, 2013, 87.</small>	3.2	30
129	Electronic nematic correlations in the stress-free tetragonal state of BaFe <small>xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math></small>	3.2	30
130	Robust upward dispersion of the neutron spin resonance in the heavy fermion superconductor $\text{Ce1}\hat{a}^{\sim}\text{xYbxCuN5}$. Nature Communications, 2016, 7, 12774.	12.8	30
131	Pressure-induced high-temperature superconductivity retained without pressure in FeSe single crystals. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
132	Microscopic spin interactions in colossal magnetoresistance manganites. Physical Review B, 2002, 66, .	3.2	29
133	Competition between Antiferromagnetism and Superconductivity in the Electron-Doped Cuprates Triggered by Oxygen Reduction. Physical Review Letters, 2007, 99, 157002.	7.8	29
134	Polarized neutron measurement of magnetic order in YBa2Cu3O6.45 . Physical Review B, 2004, 69, .	3.2	28
135	Environmental stability and anisotropic resistivity of Co-doped Na <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>\hat{\sim}</mml:mo><mml:mi>Co</mml:mi></mml:mrow></mml:msub></mml:math>>Fe<mml:math</small> <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>\hat{\sim}</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>>Co<mml:math</small> <small>xmlns:mml="http://www.w3.org/1998/Math/MathML". Physical Review B, 2012, 86.</small>	3.2	28
136	Field-dependent ordered phases and Kondo phenomena in the filled skutterudite compound PrOs4As12 . Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6783-6789.	7.1	27
137	Effect of Li-deficiency impurities on the electron-overdoped LiFeAs superconductor. Physical Review B, 2012, 86.	3.2	27
138	Polarized neutron scattering studies of magnetic excitations in electron-overdoped superconducting BaFe <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.85</mml:mn></mml:mrow></mml:msub></mml:math><Ni<mml:math</small> <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.67</mml:mn></mml:mrow></mml:msub></mml:math>>K<mml:math</small>	3.2	27
139	Field-dependent ordered phases and Kondo phenomena in the filled skutterudite compound PrOs4As12 . Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6783-6789.	3.2	27
140	Nematic Crossover in BaFe2As2 under Uniaxial Stress. Physical Review Letters, 2015, 115, 197002.	7.8	27
141	Nodeless superconductivity in the presence of spin-density wave in pnictide superconductors: The case of $\text{BaFe2}\hat{a}^{\sim}\text{xNiAs2}$. Physical Review B, 2015, 91, .	3.2	27
142	Anisotropic neutron spin resonance in underdoped superconducting NaFe <small>xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi</small> <small>mathvariant="normal">NaFe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>\hat{\sim}</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>>Co</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi</small> <small>mathvariant="normal">As</mml:mi></mml:math></small> .	3.2	27
143	The static and dynamic lattice effects in $\text{La1}\hat{a}^{\sim}\text{xCaMnO3}$. Solid State Communications, 1996, 100, 865-869.	1.9	25
144	Electron-spin excitation coupling in an electron-doped copper oxide superconductor. Nature Physics, 2011, 7, 719-724.	16.7	25

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145	Quantum Critical Scaling and the Origin of Non-Fermi-Liquid Behavior in ScIr_2Pd_3 . Physical Review Letters, 2005, 94, 056402.	7.8	24
146	Temperature dependence of the paramagnetic spin excitations in BaFe_2As_2 . Physical Review Letters, 2012, 108, 087202.	3.2	24
147	Uniaxial pressure effect on the magnetic order in BaFe_2As_2 . Physical Review B, 2012, 86, 020408.		



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163	Two spatially separated phases in semiconducting $Rb_{0.8}Fe_{1.5}S_2$. Physical Review B, 2014, 90, .	3.2	19
164	Superconductivity and electronic fluctuations in $BaKxFe_2$ studied by Raman scattering. Physical Review B, 2017, 95, arXiv:1704.03619		
165			

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181	Electronically smecticlike liquid-crystal phase in a nearly half-doped manganite. <i>Physical Review B</i> , 2005, 72, .	3.2	15
182	Impact of oxygen annealing on the heat capacity and magnetic resonance of superconducting $\text{Pr}_{0.88}\text{Ce}_{0.12}\text{FeAs}_2$. <i>Physical Review B</i> , 2008, 78, .	3.2	15
183	Spin-lattice coupling in iron-pnictide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S294-S295.	1.2	15
184	Common origin of the two types of magnetic fluctuations in iron chalcogenides. <i>Physical Review B</i> , 2011, 84, .	3.2	15
185	Flat-band magnetism and helical magnetic order in Ni-doped SrCo_2As_2 . <i>Physical Review B</i> , 2019, 100, .	3.2	15
186	Spin-excitation anisotropy in the nematic state of detwinned FeSe. <i>Nature Physics</i> , 2022, 18, 806-812.	16.7	15
187	Synchrotron x-ray-diffraction study of the structure and growth of Xe films adsorbed on the Ag(111) surface. <i>Physical Review B</i> , 1999, 59, 15464-15479.	3.2	14
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