

Pengcheng Dai

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#	Paper	IF	Citations
283	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	50.4	1632
282	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, 953-9	27	657
281	Localized vibrational modes in metallic solids. <i>Nature</i> , 1998 , 395, 876-878	50.4	486
280	First-order magnetic and structural phase transitions in $\text{Fe}_{1+y}\text{SexTe}_{1-x}$. <i>Physical Review B</i> , 2009 , 79,	3.3	455
279	Magnetism and its microscopic origin in iron-based high-temperature superconductors. <i>Nature Physics</i> , 2012 , 8, 709-718	16.2	420
278	Antiferromagnetic order and spin dynamics in iron-based superconductors. <i>Reviews of Modern Physics</i> , 2015 , 87, 855-896	40.5	410
277	Spin waves and magnetic exchange interactions in CaFe_2As_2 . <i>Nature Physics</i> , 2009 , 5, 555-560	16.2	331
276	The structure of the high-energy spin excitations in a high-transition-temperature superconductor. <i>Nature</i> , 2004 , 429, 531-4	50.4	320
275	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,	3.3	275
274	Spin fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. <i>Nature</i> , 1998 , 395, 580-582	50.4	270
273	The magnetic excitation spectrum and thermodynamics of high- T_c superconductors. <i>Science</i> , 1999 , 284, 1344-7	33.3	244
272	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	3.3	221
271	Incommensurate Magnetic Fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. <i>Physical Review Letters</i> , 1998 , 80, 1738-1741	7.4	208
270	One-dimensional nature of the magnetic fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. <i>Nature</i> , 2000 , 404, 729-31	50.4	202
269	Short-range polaron correlations in the ferromagnetic $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Physical Review Letters</i> , 2000 , 85, 2553-6	7.4	182
268	Spin and lattice structures of single-crystalline SrFe_2As_2 . <i>Physical Review B</i> , 2008 , 78,	3.3	178
267	Nematic spin fluid in the tetragonal phase of BaFe_2As_2 . <i>Physical Review B</i> , 2011 , 84,	3.3	172

266	Spontaneous spin-lattice coupling in the geometrically frustrated triangular lattice antiferromagnet CuFeO ₂ . <i>Physical Review B</i> , 2006 , 73,	3.3	168
265	Resonance as a measure of pairing correlations in the high-T _c superconductor YBa ₂ Cu ₃ O _{6.6} . <i>Nature</i> , 2000 , 406, 965-8	50.4	167
264	Inelastic neutron-scattering measurements of a three-dimensional spin resonance in the FeAs-based BaFe _{1.9} Ni _{0.1} As ₂ superconductor. <i>Physical Review Letters</i> , 2009 , 102, 107006	7.4	161
263	Evolution of the Low-Frequency Spin Dynamics in Ferromagnetic Manganites. <i>Physical Review Letters</i> , 1998 , 80, 4012-4015	7.4	156
262	Low energy spin waves and magnetic interactions in SrFe ₂ As ₂ . <i>Physical Review Letters</i> , 2008 , 101, 167203.	3.4	152
261	Superconductivity. Nematic spin correlations in the tetragonal state of uniaxial-strained BaFe _(2-x) Ni _(x) As. <i>Science</i> , 2014 , 345, 657-60	33.3	144
260	Structural and magnetic phase transitions in Na _{1-x} FeAs. <i>Physical Review B</i> , 2009 , 80,	3.3	132
259	Neutron studies of the iron-based family of high TC magnetic superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 469-476	1.3	130
258	Iron-based high transition temperature superconductors. <i>National Science Review</i> , 2014 , 1, 371-395	10.8	128
257	Lattice and magnetic structures of PrFeAsO, PrFeAsO _{0.85} F _{0.15} , and PrFeAsO _{0.85} . <i>Physical Review B</i> , 2008 , 78,	3.3	125
256	Magnetic order of the iron spins in NdFeAsO. <i>Physical Review B</i> , 2008 , 78,	3.3	119
255	Charge and spin structure in of YBa ₂ (Cu ₃)O _(6.35) . <i>Physical Review Letters</i> , 2002 , 88, 097004	7.4	118
254	Superconducting state coexisting with a phase-separated static magnetic order in (Ba,K)Fe ₂ As ₂ , (Sr,Na)Fe ₂ As ₂ , and CaFe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 80,	3.3	115
253	Softening and Broadening of the Zone Boundary Magnons in Pr _{0.63} Sr _{0.37} MnO ₃ . <i>Physical Review Letters</i> , 1998 , 80, 1316-1319	7.4	112
252	Magnon damping by magnon-phonon coupling in manganese perovskites. <i>Physical Review B</i> , 2000 , 61, 9553-9557	3.3	110
251	Nature of magnetic excitations in superconducting BaFe _{1.9} Ni _{0.1} As ₂ . <i>Nature Physics</i> , 2012 , 8, 376-381	16.2	109
250	Magnetic Dynamics in Underdoped YBa ₂ Cu ₃ O _{7-x} : Direct Observation of a Superconducting Gap. <i>Physical Review Letters</i> , 1996 , 77, 5425-5428	7.4	105
249	Antiferromagnetic order as the competing ground state in electron-doped Nd _{1.85} Ce _{0.15} CuO ₄ . <i>Nature</i> , 2003 , 423, 522-5	50.4	103

248	Resonance in the electron-doped high-transition-temperature superconductor Pr _{0.88} LaCe _{0.12} CuO _{4-δ} . <i>Nature</i> , 2006 , 442, 59-62	50.4	100
247	Doping evolution of antiferromagnetic order and structural distortion in LaFeAsO _{1-x} F _x . <i>Physical Review B</i> , 2008 , 78,	3.3	96
246	Spin waves in the (D) magnetically ordered iron chalcogenide Fe _{1.05} Te. <i>Physical Review Letters</i> , 2011 , 106, 057004	7.4	89
245	Observation of a ubiquitous three-dimensional superconducting gap function in optimally doped Ba _{0.6} K _{0.4} Fe ₂ As ₂ . <i>Nature Physics</i> , 2011 , 7, 198-202	16.2	87
244	Microscopic annealing process and its impact on superconductivity in T'-structure electron-doped copper oxides. <i>Nature Materials</i> , 2007 , 6, 224-9	27	86
243	Muon-spin-relaxation studies of magnetic order and superfluid density in antiferromagnetic NdFeAsO, BaFe ₂ As ₂ , and superconducting Ba _{1-x} K _x Fe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	84
242	Persistent high-energy spin excitations in iron-pnictide superconductors. <i>Nature Communications</i> , 2013 , 4, 1470	17.4	83
241	Doping dependence of spin excitations and its correlations with high-temperature superconductivity in iron pnictides. <i>Nature Communications</i> , 2013 , 4, 2874	17.4	82
240	Topological Spin Excitations in Honeycomb Ferromagnet CrI ₃ . <i>Physical Review X</i> , 2018 , 8,	9.1	82
239	Coexistence and competition of the short-range incommensurate antiferromagnetic order with the superconducting state of BaFe _(2-x) Ni _(x) As ₂ . <i>Physical Review Letters</i> , 2012 , 108, 247002	7.4	76
238	Spin waves and magnetic exchange interactions in insulating Rb _(0.89) Fe _(1.58) Se ₍₂₎ . <i>Nature Communications</i> , 2011 , 2, 580	17.4	76
237	Anisotropic structure of the order parameter in FeSe _(0.45) Te _(0.55) revealed by angle-resolved specific heat. <i>Nature Communications</i> , 2010 , 1, 112	17.4	76
236	Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor BaFe _{2-x} Ni _x As ₂ . <i>Physical Review B</i> , 2010 , 81,	3.3	69
235	Dramatic Switching of Magnetic Exchange in a Classic Transition Metal Oxide: Evidence for Orbital Ordering. <i>Physical Review Letters</i> , 1997 , 78, 507-510	7.4	69
234	Neutron scattering studies of spin excitations in hole-doped Ba _(0.67) K _(0.33) Fe ₍₂₎ As ₍₂₎ superconductor. <i>Scientific Reports</i> , 2011 , 1, 115	4.9	65
233	A distinct bosonic mode in an electron-doped high-transition-temperature superconductor. <i>Nature</i> , 2007 , 450, 1058-61	50.4	64
232	Critical quadrupole fluctuations and collective modes in iron pnictide superconductors. <i>Physical Review B</i> , 2016 , 93,	3.3	62
231	Quasielastic neutron scattering and molecular dynamics simulation studies of the melting transition in butane and hexane monolayers adsorbed on graphite. <i>Journal of Chemical Physics</i> , 1997 , 107, 5186-5196	3.9	61

230	Synthesis and neutron powder diffraction study of the superconductor $\text{HgBa}_2\text{Ca}_2\text{Cu}_3\text{O}_8 + \text{[by Tl]}$ substitution. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 243, 201-206	1-3	61
229	Magnetic quantum oscillations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.61}$ and $\text{YBa}_2\text{Cu}_3\text{O}_{6.69}$ in fields of up to 85 T: patching the hole in the roof of the superconducting dome. <i>Physical Review Letters</i> , 2010 , 104, 086403	7-4	59
228	Spin gap and magnetic resonance in superconducting $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$. <i>Physical Review B</i> , 2009 , 79,	3-3	59
227	Magnetic order in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ superconductors. <i>Physical Review B</i> , 2002 , 66,	3-3	59
226	Observation of magnetic moments in the superconducting state of $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. <i>Physical Review B</i> , 2001 , 64,	3-3	58
225	Avoided quantum criticality and magnetoelastic coupling in $\text{BaFe}_{(2-x)}\text{Ni}_x\text{As}_2$. <i>Physical Review Letters</i> , 2013 , 110, 257001	7-4	57
224	Lattice distortion and magnetic quantum phase transition in $\text{CeFeAs}_{(1-x)}\text{P}_x\text{O}$. <i>Physical Review Letters</i> , 2010 , 104, 017204	7-4	57
223	Static magnetic order and superfluid density of $\text{RFeAs}(\text{O},\text{F})$ ($\text{R}=\text{La},\text{Nd},\text{Ce}$) and LaFePO studied by muon spin relaxation: unusual similarities with the behavior of cuprate superconductors. <i>Physical Review Letters</i> , 2009 , 102, 087001	7-4	57
222	Crystalline electric field as a probe for long-range antiferromagnetic order and superconducting state of $\text{CeFeAsO}_{(1-x)}\text{F}_x$. <i>Physical Review Letters</i> , 2008 , 101, 217002	7-4	54
221	Antiferromagnetic order and superlattice structure in nonsuperconducting and superconducting $\text{R}_y\text{Fe}_{1.6+x}\text{Se}_2$. <i>Physical Review B</i> , 2011 , 84,	3-3	53
220	Anisotropic neutron spin resonance in superconducting $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$. <i>Physical Review B</i> , 2010 , 82,	3-3	51
219	High-energy spin excitations in the electron-doped superconductor $\text{Pr}_{(0.88)}\text{La}_{(0.12)}\text{CuO}_{(4-\delta)}$ with $T(c) = 21$ K. <i>Physical Review Letters</i> , 2006 , 96, 157001	7-4	50
218	Incommensurate One-Dimensional Fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.93}$. <i>Physical Review Letters</i> , 1996 , 77, 370-373	7-4	49
217	Effect of Pnictogen Height on Spin Waves in Iron Pnictides. <i>Physical Review Letters</i> , 2014 , 112,	7-4	48
216	Spin excitation anisotropy as a probe of orbital ordering in the paramagnetic tetragonal phase of superconducting $\text{BaFe}_{1.904}\text{Ni}_{0.09}\text{As}_2$. <i>Physical Review Letters</i> , 2013 , 111, 107006	7-4	48
215	Magnetic energy change available to superconducting condensation in optimally doped $\text{YBa}_2\text{Cu}_3\text{O}_{6.95}$. <i>Nature Physics</i> , 2006 , 2, 600-604	16.2	48
214	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 . <i>Physical Review B</i> , 1998 , 58, 12727-12748	3-3	48
213	Lattice vibrations in $\text{La}(\text{Ce})\text{Fe}_4\text{Sb}_{12}$ and CoSb_3 : Inelastic neutron scattering and theory. <i>Physical Review B</i> , 2006 , 73,	3-3	47

212	Electronically competing phases and their magnetic field dependence in electron-doped nonsuperconducting and superconducting $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$. <i>Physical Review B</i> , 2005 , 71,	3-3	47
211	Jahn-Teller phonon anomaly and dynamic phase fluctuations in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. <i>Physical Review Letters</i> , 2001 , 86, 3823-6	7-4	46
210	Close relationship between superconductivity and the bosonic mode in $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ and $\text{Na}(\text{Fe}_{0.975}\text{Co}_{0.025})\text{As}$. <i>Nature Physics</i> , 2013 , 9, 42-48	16.2	45
209	Evidence of a spin resonance mode in the iron-based superconductor $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ from scanning tunneling spectroscopy. <i>Physical Review Letters</i> , 2012 , 108, 227002	7-4	45
208	Structural and Magnetic Phase Transitions near Optimal Superconductivity in $\text{BaFe}_2(\text{As}_{1-x}\text{Px})_2$. <i>Physical Review Letters</i> , 2015 , 114, 157002	7-4	42
207	Distinguishing s_{\pm} and s_{++} electron pairing symmetries by neutron spin resonance in superconducting $\text{NaFe}_{0.935}\text{Co}_{0.045}\text{As}$. <i>Physical Review B</i> , 2013 , 88,	3-3	42
206	Evolution of spin-wave excitations in ferromagnetic metallic manganites. <i>Physical Review Letters</i> , 2006 , 96, 047204	7-4	42
205	Incommensurate magnetic structure in the orthorhombic perovskite ErMnO_3 . <i>Physical Review B</i> , 2007 , 76,	3-3	42
204	Direct observation of magnon-phonon coupling in yttrium iron garnet. <i>Physical Review B</i> , 2017 , 96,	3-3	41
203	Spin-flop transition and the anisotropic magnetoresistance of $\text{Pr}_{1.3-x}\text{La}_{0.7}\text{Ce}_x\text{CuO}_4$: unexpectedly strong spin-charge coupling in the electron-doped cuprates. <i>Physical Review Letters</i> , 2004 , 92, 227003	7-4	41
202	Anisotropic but Nodeless Superconducting Gap in the Presence of Spin-Density Wave in Iron-Pnictide Superconductor $\text{NaFe}_{1-x}\text{Co}_x\text{As}$. <i>Physical Review X</i> , 2013 , 3,	9-1	40
201	Short-range cluster spin glass near optimal superconductivity in $\text{BaFe}_2-x\text{Ni}_x\text{As}_2$. <i>Physical Review B</i> , 2014 , 90,	3-3	40
200	Electron doping evolution of the anisotropic spin excitations in $\text{BaFe}_2-x\text{Ni}_x\text{As}_2$. <i>Physical Review B</i> , 2012 , 86,	3-3	40
199	Effect of a magnetic field on the long-range magnetic order in insulating Nd_2CuO_4 and nonsuperconducting and superconducting $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>Physical Review B</i> , 2003 , 68,	3-3	40
198	Distinct pairing symmetries in $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$ and $\text{La}_{1.89}\text{Sr}_{0.11}\text{CuO}_4$ single crystals: Evidence from comparative tunneling measurements. <i>Physical Review B</i> , 2005 , 72,	3-3	40
197	Magnetic coupling in the insulating and metallic ferromagnetic $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Physical Review B</i> , 2001 , 64,	3-3	40
196	Neutron-spin resonance in the optimally electron-doped superconductor $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-\delta}$. <i>Physical Review Letters</i> , 2007 , 99, 017001	7-4	39
195	In-plane thermal conductivity of Nd_2CuO_4 : evidence for magnon heat transport. <i>Physical Review Letters</i> , 2003 , 91, 146601	7-4	38

194	Evolution of low-energy spin dynamics in the electron-doped high-transition-temperature superconductor Pr _{0.88} LaCe _{0.12} CuO ₄ <i>Physical Review B</i> , 2006 , 74,	3-3	36
193	Electron doping evolution of the magnetic excitations in BaFe ₂ Ni _x As ₂ . <i>Physical Review B</i> , 2013 , 88,	3-3	35
192	Structure and composition of the superconducting phase in alkali iron selenide KyFe _{1.6+x} Se ₂ . <i>Physical Review B</i> , 2014 , 89,	3-3	34
191	Measurement of a double neutron-spin resonance and an anisotropic energy gap for underdoped superconducting NaFe _{0.985} Co _{0.015} As using inelastic neutron scattering. <i>Physical Review Letters</i> , 2013 , 111, 207002	7-4	34
190	Transition from three-dimensional anisotropic spin excitations to two-dimensional spin excitations by electron doping the FeAs-based BaFe _{1.96} Ni _{0.04} As ₂ superconductor. <i>Physical Review Letters</i> , 2009 , 103, 087005	7-4	34
189	Re-entrant spin glass behavior in Mn-rich YMnO ₃ . <i>Applied Physics Letters</i> , 2005 , 87, 042508	3-4	34
188	Nematic Energy Scale and the Missing Electron Pocket in FeSe. <i>Physical Review X</i> , 2019 , 9,	9-1	33
187	Anisotropic spin fluctuations in detwinned FeSe. <i>Nature Materials</i> , 2019 , 18, 709-716	2-7	32
186	Longitudinal Spin Excitations and Magnetic Anisotropy in Antiferromagnetically Ordered BaFe ₂ As ₂ . <i>Physical Review X</i> , 2013 , 3,	9-1	32
185	In-plane spin excitation anisotropy in the paramagnetic state of NaFeAs. <i>Physical Review B</i> , 2013 , 88,	3-3	32
184	Neutron spin resonance as a probe of the superconducting energy gap of BaFe _{1.9} Ni _{0.1} As ₂ superconductors. <i>Physical Review B</i> , 2010 , 81,	3-3	32
183	Magnons in ferromagnetic metallic manganites. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 315204	1-8	32
182	Electronic inhomogeneity and competing phases in electron-doped superconducting Pr _{0.88} LaCe _{0.12} CuO ₄ <i>Physical Review B</i> , 2005 , 71,	3-3	31
181	Experimental signatures of a three-dimensional quantum spin liquid in effective spin-1/2 Ce ₂ Zr ₂ O ₇ pyrochlore. <i>Nature Physics</i> , 2019 , 15, 1052-1057	16-2	30
180	Uniaxial pressure effect on structural and magnetic phase transitions in NaFeAs and its comparison with as-grown and annealed BaFe ₂ As ₂ . <i>Physical Review B</i> , 2013 , 87,	3-3	30
179	Neutron scattering studies of Y _{1-x} U _x Pd ₃ compounds. <i>Physical Review Letters</i> , 1995 , 75, 1202-1205	7-4	30
178	Normal-state hourglass dispersion of the spin excitations in FeSexTe(1-x). <i>Physical Review Letters</i> , 2010 , 105, 157002	7-4	29
177	Weak-coupling Bardeen-Cooper-Schrieffer superconductivity in the electron-doped cuprate superconductors. <i>Physical Review B</i> , 2008 , 77,	3-3	29

176	Competition between antiferromagnetism and superconductivity in the electron-doped cuprates triggered by oxygen reduction. <i>Physical Review Letters</i> , 2007 , 99, 157002	7.4	29
175	Growth of n-alkane films on a single-crystal substrate. <i>Chemical Physics Letters</i> , 2001 , 348, 168-174	2.5	29
174	Microscopic spin interactions in colossal magnetoresistance manganites. <i>Physical Review B</i> , 2002 , 66,	3.3	29
173	Orbital Selective Spin Excitations and their Impact on Superconductivity of $\text{LiFe}_{1-x}\text{Co}_x\text{As}$. <i>Physical Review Letters</i> , 2016 , 116, 247001	7.4	28
172	Magnetic field effect on static antiferromagnetic order and spin excitations in the underdoped iron arsenide superconductor $\text{BaFe}_{1.92}\text{Ni}_{0.08}\text{As}_2$. <i>Physical Review B</i> , 2011 , 83,	3.3	28
171	Evolution of normal and superconducting properties of single crystals of $\text{Na}_{1-x}\text{Be}_x\text{As}$ upon interaction with environment. <i>Physical Review B</i> , 2012 , 85,	3.3	28
170	Spin waves throughout the Brillouin zone and magnetic exchange coupling in the ferromagnetic metallic manganites $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x=0.25,0.30$). <i>Physical Review B</i> , 2007 , 75,	3.3	28
169	A Mott insulator continuously connected to iron pnictide superconductors. <i>Nature Communications</i> , 2016 , 7, 13879	17.4	28
168	Magnetic anisotropy in hole-doped superconducting $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$ probed by polarized inelastic neutron scattering. <i>Physical Review B</i> , 2013 , 87,	3.3	27
167	Electronic nematic correlations in the stress-free tetragonal state of $\text{BaFe}_2\text{Ni}_x\text{As}_2$. <i>Physical Review B</i> , 2015 , 92,	3.3	27
166	Environmental stability and anisotropic resistivity of Co-doped $\text{Na}_{1-x}\text{Be}_x\text{Co}_x\text{As}$. <i>Physical Review B</i> , 2012 , 86,	3.3	27
165	Strong-coupling superconductivity in $\text{NaFe}_{1-x}\text{Co}_x\text{As}$: Validity of Eliashberg theory. <i>Physical Review B</i> , 2013 , 87,	3.3	27
164	Antiferromagnetic spin excitations in single crystals of nonsuperconducting $\text{Li}_{1-x}\text{Fe}_x\text{As}$. <i>Physical Review B</i> , 2011 , 83,	3.3	26
163	Polarized neutron measurement of magnetic order in $\text{YBa}_2\text{Cu}_3\text{O}_{6.45}$. <i>Physical Review B</i> , 2004 , 69,	3.3	26
162	Anisotropic neutron spin resonance in underdoped superconducting $\text{NaFe}_{1-x}\text{Co}_x\text{As}$. <i>Physical Review B</i> , 2014 , 90,	3.3	25
161	Effect of Li-deficiency impurities on the electron-overdoped LiFeAs superconductor. <i>Physical Review B</i> , 2012 , 86,	3.3	25
160	Polarized neutron scattering studies of magnetic excitations in electron-overdoped superconducting $\text{BaFe}_{1.85}\text{Ni}_{0.15}\text{As}_2$. <i>Physical Review B</i> , 2012 , 85,	3.3	25
159	Field-dependent ordered phases and Kondo phenomena in the filled skutterudite compound $\text{PrOs}_4\text{As}_{12}$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6783-9	11.5	25

158	The static and dynamic lattice effects in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Solid State Communications</i> , 1996 , 100, 865-869	1.6	25
157	Magnetic anisotropy in ferromagnetic CrI_3 . <i>Physical Review B</i> , 2020 , 101,	3.3	25
156	Impact of uniaxial pressure on structural and magnetic phase transitions in electron-doped iron pnictides. <i>Physical Review B</i> , 2016 , 93,	3.3	24
155	Nematic Quantum Critical Fluctuations in $\text{BaFe}_{2-x}\text{Ni}_x\text{As}_2$. <i>Physical Review Letters</i> , 2016 , 117, 157002	7.4	24
154	Momentum Dependence of the Nematic Order Parameter in Iron-Based Superconductors. <i>Physical Review Letters</i> , 2019 , 123, 066402	7.4	23
153	Quantum critical scaling and the origin of non-fermi-liquid behavior in $\text{Sc}_{1-x}\text{U}_x\text{Pd}_3$. <i>Physical Review Letters</i> , 2005 , 94, 056402	7.4	23
152	Structural perfection in physisorbed films: A synchrotron x-ray diffraction study of xenon adsorbed on the $\text{Ag}(111)$ surface. <i>Physical Review Letters</i> , 1994 , 72, 685-688	7.4	22
151	Nodeless superconductivity in the presence of spin-density wave in pnictide superconductors: The case of $\text{BaFe}_2\text{Ni}_x\text{As}_2$. <i>Physical Review B</i> , 2015 , 91,	3.3	21
150	Robust upward dispersion of the neutron spin resonance in the heavy fermion superconductor CeYbCoIn . <i>Nature Communications</i> , 2016 , 7, 12774	17.4	21
149	Electron-spin excitation coupling in an electron-doped copper oxide superconductor. <i>Nature Physics</i> , 2011 , 7, 719-724	16.2	21
148	Temperature dependence of the paramagnetic spin excitations in BaFe_2As_2 . <i>Physical Review B</i> , 2012 , 86,	3.3	21
147	Uniaxial pressure effect on the magnetic ordered moment and transition temperatures in $\text{BaFe}_2\text{T}_x\text{As}_2$ ($T=\text{Co,Ni}$). <i>Physical Review B</i> , 2017 , 95,	3.3	20
146	Nematic Crossover in BaFe_2As_2 under Uniaxial Stress. <i>Physical Review Letters</i> , 2015 , 115, 197002	7.4	20
145	Quantum spin excitations through the metal-to-insulator crossover in $\text{YBa}_2\text{Cu}_3\text{O}_{6+y}$. <i>Physical Review B</i> , 2008 , 77,	3.3	20
144	Effect of Nematic Order on the Low-Energy Spin Fluctuations in Detwinned $\text{BaFe}_{1.935}\text{Ni}_{0.065}\text{As}_2$. <i>Physical Review Letters</i> , 2016 , 117, 227003	7.4	19
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