

Pengcheng Dai

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

283
papers

14,693
citations

58
h-index

113
g-index

307
ext. papers

16,169
ext. citations

7.4
avg, IF

6.32
L-index

#	Paper	IF	Citations
283	Time-reversal symmetry-breaking charge order in a kagome superconductor.. <i>Nature</i> , 2022 , 602, 245-250.	50.4	10
282	Massless Dirac magnons in the two dimensional van der Waals honeycomb magnet CrCl ₃ . <i>2D Materials</i> , 2022 , 9, 015006	5.9	2
281	Electron-phonon coupling in the charge density wave state of CsV ₃ Sb ₅ . <i>Physical Review B</i> , 2022 , 105,	3.3	2
280	Spin excitations in metallic kagome lattice FeSn and CoSn. <i>Communications Physics</i> , 2021 , 4,	5.4	1
279	Spinon Fermi Surface Spin Liquid in a Triangular Lattice Antiferromagnet NaYbSe ₂ . <i>Physical Review X</i> , 2021 , 11,	9.1	3
278	Pressure-induced high-temperature superconductivity retained without pressure in FeSe single crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
277	Electronic nature of chiral charge order in the kagome superconductor CsV ₃ Sb ₅ . <i>Physical Review B</i> , 2021 , 104,	3.3	17
276	Excess-iron driven spin glass phase in Fe _{1+y} Te _{1-x} Se _x . <i>Chinese Physics B</i> , 2021 , 30, 087402	1.2	
275	Magnetic Field Effect on Topological Spin Excitations in CrI ₃ . <i>Physical Review X</i> , 2021 , 11,	9.1	2
274	Field-induced topological Hall effect and double-fan spin structure with a c-axis component in the metallic kagome antiferromagnetic compound YMn ₆ Sn ₆ . <i>Physical Review B</i> , 2021 , 103,	3.3	17
273	Resonance from antiferromagnetic spin fluctuations for superconductivity in UTe ₂ . <i>Nature</i> , 2021 , 600, 636-640	50.4	4
272	Uniaxial c-axis pressure effects on the underdoped superconductor BaFe ₂ (As _{0.72} P _{0.28}) ₂ . <i>Physical Review B</i> , 2020 , 101,	3.3	2
271	Stripe antiferromagnetism and disorder in the Mott insulator NaFe _{1-x} Cu _x As (x<0.5). <i>Physical Review B</i> , 2020 , 101,	3.3	1
270	Strong local moment antiferromagnetic spin fluctuations in V-doped LiFeAs. <i>Npj Quantum Materials</i> , 2020 , 5,	5	3
269	Anisotropic magnetic excitations of a frustrated bilinear-biquadratic spin model: Implications for spin waves of detwinned iron pnictides. <i>Physical Review B</i> , 2020 , 101,	3.3	3
268	Magnetic order and fluctuations in the quasi-two-dimensional planar magnet Sr(Co _{1-x} Ni _x) ₂ As ₂ . <i>Physical Review B</i> , 2020 , 102,	3.3	1
267	Nature of the spin resonance mode in CeCoIn ₃ . <i>Communications Physics</i> , 2020 , 3,	5.4	5

266	Incommensurate Spin Fluctuations in the Spin-Triplet Superconductor Candidate UTe ₂ . <i>Physical Review Letters</i> , 2020 , 125, 237003	7.4	9
265	In-plane uniaxial pressure-induced out-of-plane antiferromagnetic moment and critical fluctuations in BaFeAs. <i>Nature Communications</i> , 2020 , 11, 5728	17.4	2
264	Electronic and Magnetic Anisotropies in FeSe Family of Iron-Based Superconductors. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	1
263	Orbital selective spin waves in detwinned NaFeAs. <i>Physical Review B</i> , 2020 , 102,	3.3	1
262	Magnetic anisotropy in ferromagnetic CrI ₃ . <i>Physical Review B</i> , 2020 , 101,	3.3	25
261	Flat-band magnetism and helical magnetic order in Ni-doped SrCo ₂ As ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	8
260	Spin fluctuation anisotropy as a probe of orbital-selective hole-electron quasiparticle excitations in detwinned Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	7
259	Surface terminations and layer-resolved tunneling spectroscopy of the 122 iron pnictide superconductors. <i>Physical Review B</i> , 2019 , 99,	3.3	12
258	Anisotropic spin fluctuations in detwinned FeSe. <i>Nature Materials</i> , 2019 , 18, 709-716	27	32
257	Weaker nematic phase connected to the first order antiferromagnetic phase transition in SrFe ₂ As ₂ compared to BaFe ₂ As ₂ . <i>Physical Review B</i> , 2019 , 99,	3.3	2
256	High-K dielectric sulfur-selenium alloys. <i>Science Advances</i> , 2019 , 5, eaau9785	14.3	8
255	Possible Mott transition in layered SrMn ₃ As ₂ O ₂ single crystals. <i>Physical Review B</i> , 2019 , 99,	3.3	1
254	Coexistence of Ferromagnetic and Stripe Antiferromagnetic Spin Fluctuations in SrCo ₂ As ₂ . <i>Physical Review Letters</i> , 2019 , 122, 117204	7.4	11
253	Toward the Mott state with magnetic cluster formation in heavily Cu-doped NaFe _{1-x} CuxAs. <i>Physical Review B</i> , 2019 , 99,	3.3	3
252	Low-carrier density and fragile magnetism in a Kondo lattice system. <i>Physical Review B</i> , 2019 , 99,	3.3	3
251	Momentum Dependence of the Nematic Order Parameter in Iron-Based Superconductors. <i>Physical Review Letters</i> , 2019 , 123, 066402	7.4	23
250	Plaquette instability competing with bicollinear ground state in detwinned FeTe. <i>Physical Review B</i> , 2019 , 100,	3.3	5
249	Experimental signatures of a three-dimensional quantum spin liquid in effective spin-1/2 CeZr ₂ O ₇ pyrochlore. <i>Nature Physics</i> , 2019 , 15, 1052-1057	16.2	30

248	Nematic Energy Scale and the Missing Electron Pocket in FeSe. <i>Physical Review X</i> , 2019 , 9,	9.1	33
247	Direct observation of spin excitation anisotropy in the paramagnetic orthorhombic state of BaFe ₂ NiAs ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	6
246	Spin-isotropic continuum of spin excitations in antiferromagnetically ordered Fe _{1.07} Te. <i>Physical Review B</i> , 2018 , 97,	3.3	6
245	Local orthorhombic lattice distortions in the paramagnetic tetragonal phase of superconducting NaFeNiAs. <i>Nature Communications</i> , 2018 , 9, 3128	17.4	15
244	Doping effects of Cr on the physical properties of BaFe _{1.9} Ni _{0.1} CrAs ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	3
243	Unusual suppression of a spin resonance mode by magnetic field in underdoped NaFe _{1-x} CoxAs: Evidence for orbital-selective pairing. <i>Physical Review B</i> , 2018 , 98,	3.3	1
242	Spin Waves in Detwinned BaFe ₂ As ₂ . <i>Physical Review Letters</i> , 2018 , 121, 067002	7.4	14
241	Dynamic Spin-Lattice Coupling and Nematic Fluctuations in NaFeAs. <i>Physical Review X</i> , 2018 , 8,	9.1	7
240	Reduced electronic correlation effects in half substituted Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Applied Physics Letters</i> , 2018 , 112, 232602	3.4	5
239	Disentangling superconducting and magnetic orders in NaFe _{1-x} NixAs using muon spin rotation. <i>Physical Review B</i> , 2018 , 97,	3.3	3
238	Topological Spin Excitations in Honeycomb Ferromagnet CrI ₃ . <i>Physical Review X</i> , 2018 , 8,	9.1	82
237	Anomalous Metamagnetism in the Low Carrier Density Kondo Lattice YbRh ₃ Si ₇ . <i>Physical Review X</i> , 2018 , 8,	9.1	4
236	c-axis pressure-induced antiferromagnetic order in optimally P-doped BaFe ₂ (As _{0.70} P _{0.30}) ₂ superconductor. <i>Npj Quantum Materials</i> , 2018 , 3,	5	1
235	Neutron spin resonance as a probe of Fermi surface nesting and superconducting gap symmetry in Ba _{0.67} K _{0.33} (Fe _{1-x} Cox) ₂ As ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	7
234	Observation of the weak electronic correlations in KFeCoAs (3d): an isoelectronic to the parent compounds of 122 series of iron pnictides BaFeAs. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 085503 ^{1.8}	1.8	4
233	Uniaxial pressure effect on the magnetic ordered moment and transition temperatures in BaFe ₂ TxAs ₂ (T=Co,Ni). <i>Physical Review B</i> , 2017 , 95,	3.3	20
232	Phase diagram and neutron spin resonance of superconducting NaFe _{1-x} CuxAs. <i>Physical Review B</i> , 2017 , 95,	3.3	6
231	Lattice distortion and charge density wave in Na ₂ Ti ₂ Sb ₂ O revealed by scanning tunnelling microscopy. <i>Philosophical Magazine</i> , 2017 , 97, 527-534	1.6	4

230	Local breaking of fourfold rotational symmetry by short-range magnetic order in heavily overdoped Ba(Fe _{1-x} Cu _x) ₂ As ₂ . <i>Physical Review B</i> , 2017 , 96,	3-3	3
229	Direct observation of magnon-phonon coupling in yttrium iron garnet. <i>Physical Review B</i> , 2017 , 96,	3-3	41
228	Two-Dimensional Massless Dirac Fermions in Antiferromagnetic AFe ₂ As ₂ (A=Ba,Sr). <i>Physical Review Letters</i> , 2017 , 119, 096401	7-4	16
227	Superconductivity and electronic fluctuations in Ba _{1-x} K _x Fe ₂ As ₂ studied by Raman scattering. <i>Physical Review B</i> , 2017 , 95,	3-3	15
226	Magnetic moment evolution and spin freezing in doped BaFeAs. <i>Scientific Reports</i> , 2017 , 7, 8003	4-9	7
225	Spin excitation anisotropy in the paramagnetic tetragonal phase of BaFe ₂ As ₂ . <i>Physical Review B</i> , 2017 , 96,	3-3	9
224	Temperature and polarization dependence of low-energy magnetic fluctuations in nearly optimally doped NaFe _{0.9785} Co _{0.0215} As. <i>Physical Review B</i> , 2017 , 96,	3-3	3
223	Correlation-driven metal-insulator transition in proximity to an iron-based superconductor. <i>Physical Review B</i> , 2017 , 96,	3-3	8
222	Spin susceptibility of the topological superconductor UPt ₃ from polarized neutron diffraction. <i>Physical Review B</i> , 2017 , 96,	3-3	5
221	Spin excitations and the Fermi surface of superconducting FeS. <i>Npj Quantum Materials</i> , 2017 , 2,	5	13
220	Orbital selective neutron spin resonance in underdoped superconducting NaFe _{0.985} Co _{0.015} As. <i>Physical Review B</i> , 2017 , 95,	3-3	8
219	Spin excitation anisotropy in the optimally isovalent-doped superconductor BaFe ₂ (As _{0.7} P _{0.3}) ₂ . <i>Physical Review B</i> , 2017 , 96,	3-3	11
218	NaFe _{0.56} Cu _{0.44} As: A Pnictide Insulating Phase Induced by On-Site Coulomb Interaction. <i>Physical Review Letters</i> , 2016 , 117, 097001	7-4	10
217	Spin excitations in optimally P-doped BaFe ₂ (As _{0.7} P _{0.3}) ₂ superconductor. <i>Physical Review B</i> , 2016 , 94,	3-3	14
216	Effect of Nematic Order on the Low-Energy Spin Fluctuations in Detwinned BaFe _{1.935} Ni _{0.065} As ₂ . <i>Physical Review Letters</i> , 2016 , 117, 227003	7-4	19
215	Critical quadrupole fluctuations and collective modes in iron pnictide superconductors. <i>Physical Review B</i> , 2016 , 93,	3-3	62
214	Electronic specific heat in BaFe _{2-x} Ni _x As ₂ . <i>Physical Review B</i> , 2016 , 93,	3-3	4
213	Electron doping evolution of the neutron spin resonance in NaFe _{1-x} Co _x As. <i>Physical Review B</i> , 2016 , 93,	3-3	10

212	Experimental elucidation of the origin of the double spin resonances in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. <i>Physical Review B</i> , 2016 , 93,	3-3	11
211	Electron doping evolution of the magnetic excitations in $\text{NaFe}_{1-x}\text{Co}_x\text{As}$. <i>Physical Review B</i> , 2016 , 93,	3-3	10
210	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
209	Nematic magnetoelastic effect contrasted between $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ and FeSe . <i>Physical Review B</i> , 2016 , 93,	3-3	10
208	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
207	Electron doping evolution of structural and antiferromagnetic phase transitions in $\text{NaFe}_{1-x}\text{Co}_x\text{As}$ iron pnictides. <i>Physical Review B</i> , 2016 , 94,	3-3	12
206	Robust upward dispersion of the neutron spin resonance in the heavy fermion superconductor CeYbCoIn . <i>Nature Communications</i> , 2016 , 7, 12774	17-4	21
205	A Mott insulator continuously connected to iron pnictide superconductors. <i>Nature Communications</i> , 2016 , 7, 13879	17-4	28
204	Spin anisotropy due to spin-orbit coupling in optimally hole-doped $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2016 , 94,	3-3	15
203	Absence of Long-Wavelength Nematic Fluctuations in LiFeAs . <i>Journal of Superconductivity and Novel Magnetism</i> , 2016 , 29, 3049-3051	1-5	2
202	Study of vortex dynamics in single crystalline $\text{Ba}_{0.54}\text{K}_{0.46}\text{Fe}_2\text{As}_2$ superconductor using dc and ac magnetization. <i>Journal of Alloys and Compounds</i> , 2016 , 686, 938-945	5-7	2
201	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
200	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
199	Long-range two-dimensional superstructure in the superconducting electron-doped cuprate $\text{Pr}_{0.88}\text{La}_{0.12}\text{CuO}_4$. <i>Physical Review B</i> , 2015 , 92,	3-3	3
198	Photoemission study of the electronic structure and charge density waves of $\text{Na}_2\text{Ti}_2\text{Sb}_2\text{O}$. <i>Scientific Reports</i> , 2015 , 5, 9515	4-9	10
197	Structural and Magnetic Phase Transitions near Optimal Superconductivity in $\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$. <i>Physical Review Letters</i> , 2015 , 114, 157002	7-4	42
196	Doping evolution of antiferromagnetism and transport properties in nonsuperconducting $\text{BaFe}_2\text{Ni}_x\text{Cr}_x\text{As}_2$. <i>Physical Review B</i> , 2015 , 91,	3-3	11
195	Neutron spin resonance as a probe of superconducting gap anisotropy in partially detwinned electron underdoped $\text{NaFe}_{0.985}\text{Co}_{0.015}\text{As}$. <i>Physical Review B</i> , 2015 , 91,	3-3	6

194	High-Temperature Superconductors. <i>Experimental Methods in the Physical Sciences</i> , 2015 , 145-201	0.4	0
193	Spin waves and spatially anisotropic exchange interactions in the S=2 stripe antiferromagnet Rb _{0.8} Fe _{1.5} As ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	9
192	Mott localization in a pure stripe antiferromagnet Rb _{1-x} Fe _{1.5} As ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	10
191	Electronic nematic correlations in the stress-free tetragonal state of BaFe _{2-x} Ni _x As ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	27
190	Energy dependence of the spin excitation anisotropy in uniaxial-strained BaFe _{1.9} Ni _{0.1} As ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	16
189	Nematic Crossover in BaFe ₂ As ₂ under Uniaxial Stress. <i>Physical Review Letters</i> , 2015 , 115, 197002	7.4	20
188	Antiferromagnetic order and spin dynamics in iron-based superconductors. <i>Reviews of Modern Physics</i> , 2015 , 87, 855-896	40.5	410
187	Chemical tuning of electrical transport in Ti _{1-x} Pt _x Se ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	8
186	Influence of doping on the spin dynamics and magnetoelectric effect in hexagonal Y _{0.7} Lu _{0.3} MnO ₃ . <i>Physical Review B</i> , 2014 , 89,	3.3	14
185	Effect of Pnictogen Height on Spin Waves in Iron Pnictides. <i>Physical Review Letters</i> , 2014 , 112,	7.4	48
184	Evolution of London penetration depth with scattering in single crystals of K _{1-x} Na _x Fe ₂ As ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	18
183	The effect of Cr impurity to superconductivity in electron-doped BaFe _{2-x} Ni _x As ₂ . <i>Superconductor Science and Technology</i> , 2014 , 27, 115003	3.1	11
182	Superconductivity. Nematic spin correlations in the tetragonal state of uniaxial-strained BaFe _{2-x} Ni _x As ₂ . <i>Science</i> , 2014 , 345, 657-60	33.3	144
181	Two spatially separated phases in semiconducting Rb _{0.8} Fe _{1.5} As ₂ . <i>Physical Review B</i> , 2014 , 90,	3.3	17
180	Short-range cluster spin glass near optimal superconductivity in BaFe _{2-x} Ni _x As ₂ . <i>Physical Review B</i> , 2014 , 90,	3.3	40
179	Iron-based high transition temperature superconductors. <i>National Science Review</i> , 2014 , 1, 371-395	10.8	128
178	Anisotropic neutron spin resonance in underdoped superconducting NaFe _{1-x} CoxAs. <i>Physical Review B</i> , 2014 , 90,	3.3	25
177	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

176	Phase separation, competition, and volume-fraction control in NaFe $_{1-x}$ CoxAs. <i>Physical Review B</i> , 2014 , 90,	3-3	11
175	Observation of Momentum-Confined In-Gap Impurity State in Ba $_{0.6}$ K $_{0.4}$ Fe $_2$ As $_2$: Evidence for Antiphase s $_{\pm}$ Pairing. <i>Physical Review X</i> , 2014 , 4,	9-1	12
174	Anisotropic but Nodeless Superconducting Gap in the Presence of Spin-Density Wave in Iron-Pnictide Superconductor NaFe $_{1-x}$ CoxAs. <i>Physical Review X</i> , 2013 , 3,	9-1	40
173	Close relationship between superconductivity and the bosonic mode in Ba $_{0.6}$ K $_{0.4}$ Fe $_2$ As $_2$ and Na(Fe $_{0.975}$ Co $_{0.025}$)As. <i>Nature Physics</i> , 2013 , 9, 42-48	16.2	45
172	Magnetic anisotropy in hole-doped superconducting Ba $_{0.67}$ K $_{0.33}$ Fe $_2$ As $_2$ probed by polarized inelastic neutron scattering. <i>Physical Review B</i> , 2013 , 87,	3-3	27
171	Persistent high-energy spin excitations in iron-pnictide superconductors. <i>Nature Communications</i> , 2013 , 4, 1470	17.4	83
170	Avoided quantum criticality and magnetoelastic coupling in BaFe(2-x)Ni(x)As $_2$. <i>Physical Review Letters</i> , 2013 , 110, 257001	7-4	57
169	Spin excitation anisotropy as a probe of orbital ordering in the paramagnetic tetragonal phase of superconducting BaFe $_{1.904}$ Ni $_{0.096}$ As $_2$. <i>Physical Review Letters</i> , 2013 , 111, 107006	7-4	48
168	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
167	Longitudinal and transverse Hall resistivities in NaFe $_x$ CoxAs single crystals with x = 0.022 and 0.0205: weak pinning and anomalous electrical transport properties. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 395702	1.8	4
166	Longitudinal Spin Excitations and Magnetic Anisotropy in Antiferromagnetically Ordered BaFe $_2$ As $_2$. <i>Physical Review X</i> , 2013 , 3,	9-1	32
165	Distinguishing s $_{\pm}$ and s $_{++}$ electron pairing symmetries by neutron spin resonance in superconducting NaFe $_{0.935}$ Co $_{0.045}$ As. <i>Physical Review B</i> , 2013 , 88,	3-3	42
164	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
163	Superconductivity and antiferromagnetism in Ba $_{0.75}$ K $_{0.25}$ Fe $_2$ As $_2$ single crystals as seen by 57 Fe Mössbauer spectroscopy. <i>Physical Review B</i> , 2013 , 88,	3-3	5
162	Microscopic coexistence of a two-component incommensurate spin density wave with superconductivity in underdoped NaFe $_{0.983}$ Co $_{0.017}$ As. <i>Physical Review B</i> , 2013 , 88,	3-3	10
161	In-plane spin excitation anisotropy in the paramagnetic state of NaFeAs. <i>Physical Review B</i> , 2013 , 88,	3-3	32
160	Strong-coupling superconductivity in NaFe $_{1-x}$ CoxAs: Validity of Eliashberg theory. <i>Physical Review B</i> , 2013 , 87,	3-3	27
159	Paramagnetic spin excitations in insulating Rb $_{0.8}$ Fe $_{1.6}$ Se $_2$. <i>Physical Review B</i> , 2013 , 87,	3-3	1

158	Spin pairing and penetration depth measurements from nuclear magnetic resonance in NaFe _{0.975} Co _{0.025} As. <i>Physical Review B</i> , 2013 , 87,	3-3	9
157	Electron doping evolution of the magnetic excitations in BaFe _{2-x} Ni _x As ₂ . <i>Physical Review B</i> , 2013 , 88,	3-3	35
156	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
155	Simultaneous optimization of spin fluctuations and superconductivity under pressure in an iron-based superconductor. <i>Physical Review Letters</i> , 2013 , 111, 107004	7-4	18
154	Magnetism and its microscopic origin in iron-based high-temperature superconductors. <i>Nature Physics</i> , 2012 , 8, 709-718	16.2	420
153	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
152	Environmental stability and anisotropic resistivity of Co-doped Na _{1-x} Be _{1-x} CoxAs. <i>Physical Review B</i> , 2012 , 86,	3-3	27
151	Effect of Li-deficiency impurities on the electron-overdoped LiFeAs superconductor. <i>Physical Review B</i> , 2012 , 86,	3-3	25
150	Polarized neutron scattering studies of magnetic excitations in electron-overdoped superconducting BaFe _{1.85} Ni _{0.15} As ₂ . <i>Physical Review B</i> , 2012 , 85,	3-3	25
149	Electron doping evolution of the anisotropic spin excitations in BaFe _{2-x} Ni _x As ₂ . <i>Physical Review B</i> , 2012 , 86,	3-3	40
148	Evidence of a spin resonance mode in the iron-based superconductor Ba _(0.6) K _(0.4) Fe ₂ As ₂ from scanning tunneling spectroscopy. <i>Physical Review Letters</i> , 2012 , 108, 227002	7-4	45
147	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
146	Magnetic frustration and iron-vacancy ordering in iron chalcogenide. <i>Physical Review B</i> , 2012 , 85,	3-3	14
145	Evolution of normal and superconducting properties of single crystals of Na _{1-x} Be _x As upon interaction with environment. <i>Physical Review B</i> , 2012 , 85,	3-3	28
144	Magnetization in the superconducting state of UPt ₃ from polarized neutron diffraction. <i>Physical Review B</i> , 2012 , 86,	3-3	6
143	Temperature dependence of the paramagnetic spin excitations in BaFe ₂ As ₂ . <i>Physical Review B</i> , 2012 , 86,	3-3	21
142	Doping-dependent anisotropic superconducting gap in Na _{1-x} (Fe _{1-x} Cox)As from London penetration depth. <i>Physical Review B</i> , 2012 , 86,	3-3	16
141	Temperature dependence of the resonance and low-energy spin excitations in superconducting FeTe _{0.6} Se _{0.4} . <i>Physical Review B</i> , 2012 , 85,	3-3	8

140	Magnetic field dependence of spin-lattice relaxation in the s_{\pm} state of $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2012 , 85,	3-3	3
139	Neutron scattering studies of spin excitations in superconducting $\text{Rb}_{0.82}\text{Fe}_{1.68}\text{Se}_2$. <i>Physical Review B</i> , 2012 , 86,	3-3	16
138	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	17.4	76
137	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
136	Nematic spin fluid in the tetragonal phase of BaFe_2As_2 . <i>Physical Review B</i> , 2011 , 84,	3-3	172
135	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	16.2	87
134	Electron-spin excitation coupling in an electron-doped copper oxide superconductor. <i>Nature Physics</i> , 2011 , 7, 719-724	16.2	21
133	Neutron scattering studies of spin excitations in hole-doped $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$ superconductor. <i>Scientific Reports</i> , 2011 , 1, 115	4-9	65
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