Pengcheng Dai

List of Articles by Year
in descending order

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319 peer-reviewed articles	18,672 peer-reviewed citations	16129 64 peer-reviewed h-index	134784 5.82 score
330 documents	20052 doc citations	18298 67 h-index	15241 citing authors

#	Article	IF	Citations
1	Charge Dynamics of an Unconventional Three-Dimensional Charge Density Wave in Kagome FeGe. Physical Review Letters, 2025, 134, .	5.8	14
2	Vacancy-induced suppression of charge density wave order and its impact on magnetic order in kagome antiferromagnet FeGe. Nature Communications, 2025, 16, .	10.8	10
3	Correlation between complex spin textures and the magnetocaloric and Hall effects in Eu Anomalous Electrical Transport in the Kagome Magnet	2.4	2
4		5.8	10
5	Linear scaling relation between two-dimensional massless Dirac fermion Fermi velocity and Fe-As bond length in iron arsenide superconductor systems. Physical Review B, 2025, 111, .	2.4	2
6	Evidence for Mobile Gapless Spinons in a Honeycomb Lattice. Chinese Physics Letters, 2025, 42, 067304.	3.2	2
7	Magnetism of kagome metals (Fe	2.4	2
8	Neutron scattering and thermodynamic evidence for emergent photons and fractionalization in a pyrochlore spin ice. Nature Physics, 2025, 21, 1203-1210.	10.6	15
9	Disentangling the intertwined orders in a magnetic kagome metal. Science Advances, 2025, 11, .	8.1	9
10	Non-Fermi liquid behaviour in a correlated flat-band pyrochlore lattice. Nature Physics, 2024, 20, 603-609.	10.6	49
11	Multicondensate lengths with degenerate excitation gaps in BaNi2As2 revealed by muon spin relaxation study. Physical Review B, 2024, 109, .	2.4	2
12	Nematic superconductivity from selective orbital pairing in iron pnictide single crystals. Cell Reports Physical Science, 2024, 5, 101816.	2.9	5
13	In-plane anisotropic magnetoresistance in detwinned <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BaF</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>−</mml:mo><mml:mi>x</mml:mi></mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi	2.4	1
14	Competing itinerant and local spin interactions in kagome metal FeGe. Nature Communications, 2024, 15, .	10.8	28
15	Symmetry Breaking and Ascending in the Magnetic Kagome Metal FeGe. Physical Review X, 2024, 14, .	7.9	19
16	Quantum simulation of an extended Dicke model with a magnetic solid. Communications Materials, 2024, 5, .	5.3	9
17	Thermal evolution of spin excitations in honeycomb Ising antiferromagnetic FePSe3. Npj Quantum Materials, 2024, 9, .	4.1	9
18	Spin-Charge-Lattice Coupling across the Charge Density Wave Transition in a Kagome Lattice Antiferromagnet. Physical Review Letters, 2024, 133, .	5.8	22

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19	Nematic Instability and Dominant A1g Response in the Kagome Metal CsV3Sb5. Physical Review X, 2024, 14, .	7.9	22
20	Conventional superconductivity in the doped kagome superconductor Cs(V0.86Ta0.14)3Sb5 from vortex lattice studies. Nature Communications, 2024, 15, .	10.8	8
21	Evidence for time-reversal symmetry-breaking kagome superconductivity. Nature Materials, 2024, 23, 1639-1644.	23.7	38
22	Observation of flat bands and Dirac cones in a pyrochlore lattice superconductor. Npj Quantum Materials, 2024, 9, .	4.1	21
23	Search for orbital magnetism in the kagome superconductor CsV3Sb5 using neutron diffraction. Physical Review B, 2024, 110, .	2.4	14
24	Diffusive excitonic bands from frustrated triangular sublattice in a singlet-ground-state system. Nature Communications, 2023, 14, .	10.8	11
25	Antiferromagnet to ferromagnet crossover driven by nonmagnetic Co doping in heavy-fermion YbRh3Si7. Physical Review B, 2023, 108, .	2.4	0
26	Massless Dirac magnons in the two dimensional van der Waals honeycomb magnet CrCl3. 2D Materials, 2022, 9, 015006.	2.7	30
27	Correlation-driven electronic reconstruction in FeTe1−xSex. Communications Physics, 2022, 5, .	3.5	46
28	Time-reversal symmetry-breaking charge order in a kagome superconductor. Nature, 2022, 602, 245-250.	30.7	480
29	Electron-phonon coupling in the charge density wave state of CsV3Sb5. Physical Review B, 2022, 105, .	2.4	101
30	The Magnetic Genome of Two-Dimensional van der Waals Materials. ACS Nano, 2022, 16, 6960-7079.	11.5	487
31	Complex structure due to As bonding and interplay with electronic structure in superconducting BaNi2As2. Physical Review B, 2022, 105, .	2.4	6
32	Spin-excitation anisotropy in the nematic state of detwinned FeSe. Nature Physics, 2022, 18, 806-812.	10.6	37
33	Nematic Fluctuations in the Non-Superconducting Iron Pnictide BaFe1.9−xNi0.1CrxAs2. Frontiers in Physics, 2022, 10, .	1.3	6
34	Anisotropic magnon damping by zero-temperature quantum fluctuations in ferromagnetic CrGeTe3. Nature Communications, 2022, 13, .	10.8	28
35	Magnetic field effects in an octupolar quantum spin liquid candidate. Physical Review B, 2022, 106, .	2.4	24
36	Single-crystal growth and superconductivity in RbNi2Se2. Physical Review B, 2022, 106, .	2.4	1

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37	Discovery of charge density wave in a kagome lattice antiferromagnet. Nature, 2022, 609, 490-495.	30.7	280
38	Discovery of Charge Order and Corresponding Edge State in Kagome Magnet FeGe. Physical Review Letters, 2022, 129, .	5.8	108
39	Spin structure and dynamics of the topological semimetal Co3Sn2-xInxS2. Npj Quantum Materials, 2022, 7, .	4.1	12
40	Spin dynamics in NaFeAs and NaFe0.53Cu0.47As probed by resonant inelastic x-ray scattering. Physical Review B, 2021, 103, .	2.4	4
41	Spinon Fermi Surface Spin Liquid in a Triangular Lattice Antiferromagnet NaYbSe2. Physical Review X, 2021, 11, .	7.9	105
42	High-energy magnetic excitations from heavy quasiparticles in CeCu2Si2. Npj Quantum Materials, 2021, 6, .	4.1	11
43	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, .	5.2	56
44	Electronic nature of chiral charge order in the kagome superconductor CsV3Sb5. Physical Review B, 2021, 104, .	2.4	196
45	Excess-iron driven spin glass phase in Fe1 + y Te1 − x Se x *. Chinese Physics B, 2021, 30, 087402.	1.1	5
46	Magnetic Field Effect on Topological Spin Excitations in CrI3. Physical Review X, 2021, 11, .	7.9	86
47	Field-induced topological Hall effect and double-fan spin structure with a c -axis component in the metallic kagome antiferromagnetic compound YMn6Sn6. Physical Review B, 2021, 103, .	2.4	138
48	RKKY coupled local-moment magnetism in NaFe1−xCuxAs. Physical Review B, 2021, 104, .	2.4	4
49	Spin excitations in metallic kagome lattice FeSn and CoSn. Communications Physics, 2021, 4, .	3.5	58
50	Quasiparticle coherence in the nematic state of FeSe. Physical Review B, 2021, 104, .	2.4	15
51	Spin waves and Dirac magnons in a honeycomb-lattice zigzag antiferromagnet BaNi2(AsO4)2. Physical Review B, 2021, 104, .	2.4	10
52	Resonance from antiferromagnetic spin fluctuations for superconductivity in UTe2. Nature, 2021, 600, 636-640.	30.7	74
53	Nature of the spin resonance mode in CeCoIn5. Communications Physics, 2020, 3, .	3.5	21
54	Incommensurate Spin Fluctuations in the Spin-Triplet Superconductor Candidate UTe2. Physical Review Letters, 2020, 125, .	5.8	92

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55	In-plane uniaxial pressure-induced out-of-plane antiferromagnetic moment and critical fluctuations in BaFe2As2. Nature Communications, 2020, 11, .	10.8	15
56	Electronic and Magnetic Anisotropies in FeSe Family of Iron-Based Superconductors. Frontiers in Physics, 2020, 8, .	1.3	7
57	Orbital selective spin waves in detwinned NaFeAs. Physical Review B, 2020, 102, .	2.4	13
58	Uniaxial c -axis pressure effects on the underdoped superconductor BaFe2(As0.72P0.28)2. Physical Review B, 2020, 101, .	2.4	3
59	Stripe antiferromagnetism and disorder in the Mott insulator NaFe1−xCuxAs (x≲0.5). Physical Review B, 2020, 101, .	2.4	7
60	Strong local moment antiferromagnetic spin fluctuations in V-doped LiFeAs. Npj Quantum Materials, 2020, 5, .	4.1	8
61	Anisotropic magnetic excitations of a frustrated bilinear-biquadratic spin model: Implications for spin waves of detwinned iron pnictides. Physical Review B, 2020, 101, .	2.4	7
62	Anisotropic effect of a magnetic field on the neutron spin resonance in FeSe. Physical Review B, 2020, 101, .	2.4	6
63	Magnetic anisotropy in ferromagnetic CrI3. Physical Review B, 2020, 101, .	2.4	105
64	Magnetic order and fluctuations in the quasi-two-dimensional planar magnet Sr(Co1−xNix)2As2. Physical Review B, 2020, 102, .	2.4	2
65	Momentum Dependence of the Nematic Order Parameter in Iron-Based Superconductors. Physical Review Letters, 2019, 123, .	5.8	55
66	Plaquette instability competing with bicollinear ground state in detwinned FeTe. Physical Review B, 2019, 100, .	2.4	10
67	Experimental signatures of a three-dimensional quantum spin liquid in effective spin-1/2 Ce2Zr2O7 pyrochlore. Nature Physics, 2019, 15, 1052-1057.	10.6	175
68	Flat-band magnetism and helical magnetic order in Ni-doped SrCo2As2. Physical Review B, 2019, 100, .	2.4	18
69	Spin fluctuation anisotropy as a probe of orbital-selective hole-electron quasiparticle excitations in detwinned Ba(Fe1−xCox)2As2. Physical Review B, 2019, 100, .	2.4	13
70	Surface terminations and layer-resolved tunneling spectroscopy of the 122 iron pnictide superconductors. Physical Review B, 2019, 99, .	2.4	22
71	Anisotropic spin fluctuations in detwinned FeSe. Nature Materials, 2019, 18, 709-716.	23.7	86
72	Weaker nematic phase connected to the first order antiferromagnetic phase transition in SrFe2As2 compared to BaFe2As2. Physical Review B, 2019, 99, .	2.4	7

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73	High-K dielectric sulfur-selenium alloys. Science Advances, 2019, 5, .	8.1	24
74	Possible Mott transition in layeredSr2Mn3As2O2single crystals. Physical Review B, 2019, 99, .	2.4	4
75	Coexistence of Ferromagnetic and Stripe Antiferromagnetic Spin Fluctuations in SrCo2As2. Physical Review Letters, 2019, 122, .	5.8	32
76	Toward the Mott state with magnetic cluster formation in heavily Cu-doped NaFe1−xCuxAs. Physical Review B, 2019, 99, .	2.4	5
77	Low-carrier density and fragile magnetism in a Kondo lattice system. Physical Review B, 2019, 99, .	2.4	10
78	Nematic Energy Scale and the Missing Electron Pocket in FeSe. Physical Review X, 2019, 9, .	7.9	83
79	Direct observation of spin excitation anisotropy in the paramagnetic orthorhombic state of BaFe2−xNixAs2. Physical Review B, 2018, 97, .	2.4	7
80	Spin-isotropic continuum of spin excitations in antiferromagnetically ordered Fe1.07Te. Physical Review B, 2018, 97, .	2.4	6
81	Topological Spin Excitations in Honeycomb Ferromagnet CrI3. Physical Review X, 2018, 8, .	7.9	278
82	Anomalous Metamagnetism in the Low Carrier Density Kondo Lattice YbRh3Si7. Physical Review X, 2018, 8, .	7.9	16
83	c-axis pressure-induced antiferromagnetic order in optimally P-doped BaFe2(As0.70P0.30)2 superconductor. Npj Quantum Materials, 2018, 3, .	4.1	2
84	Neutron spin resonance as a probe of Fermi surface nesting and superconducting gap symmetry in Ba0.67K0.33(Fe1−xCox)2As2. Physical Review B, 2018, 98, .	2.4	13
85	Local orthorhombic lattice distortions in the paramagnetic tetragonal phase of superconducting NaFe1−xNixAs. Nature Communications, 2018, 9, .	10.8	25
86	Doping effects of Cr on the physical properties of BaFe1.9−xNi0.1CrxAs2. Physical Review B, 2018, 98, .	2.4	10
87	Unusual suppression of a spin resonance mode by magnetic field in underdoped NaFe1−xCoxAs : Evidence for orbital-selective pairing. Physical Review B, 2018, 98, .	2.4	5
88	Spin Waves in Detwinned BaFe2As2. Physical Review Letters, 2018, 121, .	5.8	29
89	Dynamic Spin-Lattice Coupling and Nematic Fluctuations in NaFeAs. Physical Review X, 2018, 8, .	7.9	11
90	Disentangling superconducting and magnetic orders in NaFe1−xNixAs using muon spin rotation. Physical Review B, 2018, 97, .	2.4	12

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91	Uniaxial pressure effect on the magnetic ordered moment and transition temperatures in BaFe2−xTxAs2 (T=Co,Ni). Physical Review B, 2017, 95, .	2.4	24
92	Phase diagram and neutron spin resonance of superconducting NaFe1−xCuxAs. Physical Review B, 2017, 95, .	2.4	10
93	Local breaking of fourfold rotational symmetry by short-range magnetic order in heavily overdoped Ba(Fe1−xCux)2As2. Physical Review B, 2017, 96, .	2.4	9
94	Direct observation of magnon-phonon coupling in yttrium iron garnet. Physical Review B, 2017, 96, .	2.4	90
95	Two-Dimensional Massless Dirac Fermions in Antiferromagnetic AFe2As2 (A=Ba,Sr). Physical Review Letters, 2017, 119, .	5.8	28
96	Superconductivity and electronic fluctuations in Ba1−xKxFe2As2 studied by Raman scattering. Physical Review B, 2017, 95, .	2.4	20
97	Magnetic moment evolution and spin freezing in doped BaFe2As2. Scientific Reports, 2017, 7, .	2.7	13
98	Spin excitation anisotropy in the paramagnetic tetragonal phase of BaFe2As2. Physical Review B, 2017, 96, .	2.4	10
99	Temperature and polarization dependence of low-energy magnetic fluctuations in nearly optimally doped NaFe0.9785Co0.0215As. Physical Review B, 2017, 96, .	2.4	6
100	Correlation-driven metal-insulator transition in proximity to an iron-based superconductor. Physical Review B, 2017, 96, .	2.4	17
101	Spin susceptibility of the topological superconductor UPt3 from polarized neutron diffraction. Physical Review B, 2017, 96, .	2.4	7
102	Spin excitations and the Fermi surface of superconducting FeS. Npj Quantum Materials, 2017, 2, .	4.1	17
103	Orbital selective neutron spin resonance in underdoped superconducting NaFe0.985Co0.015As. Physical Review B, 2017, 95, .	2.4	9
104	Spin excitation anisotropy in the optimally isovalent-doped superconductor BaFe2(As0.7P0.3)2. Physical Review B, 2017, 96, .	2.4	15
105	A Mott insulator continuously connected to iron pnictide superconductors. Nature Communications, 2016, 7, .	10.8	38
106	Spin anisotropy due to spin-orbit coupling in optimally hole-dopedBa0.67K0.33Fe2As2. Physical Review B, 2016, 94, .	2.4	18
107	Absence of Long-Wavelength Nematic Fluctuations in LiFeAs. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3049-3051.	1.3	3
108	Study of vortex dynamics in single crystalline Ba0.54K0.46Fe2As2 superconductor using dc and ac magnetization. Journal of Alloys and Compounds, 2016, 686, 938-945.	4.9	3

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109	Nematic Quantum Critical Fluctuations inBaFe2−xNixAs2. Physical Review Letters, 2016, 117, .	5.8	38
110	NaFe0.56Cu0.44As: A Pnictide Insulating Phase Induced by On-Site Coulomb Interaction. Physical Review Letters, 2016, 117, .	5.8	17
111	Spin excitations in optimally P-dopedBaFe2(As0.7P0.3)2superconductor. Physical Review B, 2016, 94, .	2.4	22
112	Effect of Nematic Order on the Low-Energy Spin Fluctuations in Detwinned BaFe1.935Ni0.065As2. Physical Review Letters, 2016, 117, .	5.8	25
113	Critical quadrupole fluctuations and collective modes in iron pnictide superconductors. Physical Review B, 2016, 93, .	2.4	76
114	Electronic specific heat inBaFe2−xNixAs2. Physical Review B, 2016, 93, .	2.4	7
115	Electron doping evolution of the neutron spin resonance inNaFe1−xCoxAs. Physical Review B, 2016, 93, .	2.4	11
116	Experimental elucidation of the origin of the 'double spin resonances' inBa(Fe1−xCox)2As2. Physical Review B, 2016, 93, .	2.4	12
117	Electron doping evolution of the magnetic excitations inNaFe1−xCoxAs. Physical Review B, 2016, 93, .	2.4	17
118	Orbital Selective Spin Excitations and their Impact on Superconductivity ofLiFe1−xCoxAs. Physical Review Letters, 2016, 116, .	5.8	36
119	Nematic magnetoelastic effect contrasted betweenBa(Fe1−xCox)2As2and FeSe. Physical Review B, 2016, 93, .	2.4	12
120	Impact of uniaxial pressure on structural and magnetic phase transitions in electron-doped iron pnictides. Physical Review B, 2016, 93, .	2.4	37
121	Electron doping evolution of structural and antiferromagnetic phase transitions inNaFe1−xCoxAsiron pnictides. Physical Review B, 2016, 94, .	2.4	14
122	Robust upward dispersion of the neutron spin resonance in the heavy fermion superconductor Ce1−xYbxCoIn5. Nature Communications, 2016, 7, .	10.8	35
123	Spin waves and spatially anisotropic exchange interactions in theS=2stripe antiferromagnetRb0.8Fe1.5S2. Physical Review B, 2015, 92, .	2.4	10
124	Mott localization in a pure stripe antiferromagnetRb1−δFe1.5−σS2. Physical Review B, 2015, 92, .	2.4	12
125	Electronic nematic correlations in the stress-free tetragonal state ofBaFe2−xNixAs2. Physical Review B, 2015, 92, .	2.4	32
126	Energy dependence of the spin excitation anisotropy in uniaxial-strainedBaFe1.9Ni0.1As2. Physical Review B, 2015, 92, .	2.4	19

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127	Nematic Crossover inBaFe2As2under Uniaxial Stress. Physical Review Letters, 2015, 115, .	5.8	29
128	Antiferromagnetic order and spin dynamics in iron-based superconductors. Reviews of Modern Physics, 2015, 87, 855-896.	29.1	684
129	Chemical tuning of electrical transport inTi1−xPtxSe2−y. Physical Review B, 2015, 91, .	2.4	10
130	Nodeless superconductivity in the presence of spin-density wave in pnictide superconductors: The case ofBaFe2−xNixAs2. Physical Review B, 2015, 91, .	2.4	30
131	Long-range two-dimensional superstructure in the superconducting electron-doped cupratePr0.88LaCe0.12CuO4. Physical Review B, 2015, 92, .	2.4	5
132	Structural and Magnetic Phase Transitions near Optimal Superconductivity inBaFe2(As1−xPx)2. Physical Review Letters, 2015, 114, .	5.8	58
133	Doping evolution of antiferromagnetism and transport properties in nonsuperconductingBaFe2−2xNixCrxAs2. Physical Review B, 2015, 91, .	2.4	15
134	Neutron spin resonance as a probe of superconducting gap anisotropy in partially detwinned electron underdopedNaFe0.985Co0.015As. Physical Review B, 2015, 91, .	2.4	6
135	Two spatially separated phases in semiconductingRb0.8Fe1.5S2. Physical Review B, 2014, 90, .	2.4	19
136	Short-range cluster spin glass near optimal superconductivity inBaFe2−xNixAs2. Physical Review B, 2014, 90, .	2.4	46
137	Iron-based high transition temperature superconductors. National Science Review, 2014, 1, 371-395.	6.9	215
138	Anisotropic neutron spin resonance in underdoped superconductingNaFe1−xCoxAs. Physical Review B, 2014, 90, .	2.4	27
139	Structure and composition of the superconducting phase in alkali iron selenideKyFe1.6+xSe2. Physical Review B, 2014, 89, .	2.4	36
140	Phase separation, competition, and volume-fraction control inNaFe1−xCoxAs. Physical Review B, 2014, 90, .	2.4	11
141	Observation of Momentum-Confined In-Gap Impurity State inBa0.6K0.4Fe2As2: Evidence for Antiphases±Pairing. Physical Review X, 2014, 4, .	7.9	15
142	Influence of doping on the spin dynamics and magnetoelectric effect in hexagonalY0.7Lu0.3MnO3. Physical Review B, 2014, 89, .	2.4	17
143	Effect of Pnictogen Height on Spin Waves in Iron Pnictides. Physical Review Letters, 2014, 112, .	5.8	65
144	Evolution of London penetration depth with scattering in single crystals of K1−x Nax Fe2 As2. Physical Review B, 2014, 89, .	2.4	21

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145	The effect of Cr impurity to superconductivity in electron-doped BaFe2−xNixAs2. Superconductor Science and Technology, 2014, 27, 115003.	2.4	16
146	Anisotropic but Nodeless Superconducting Gap in the Presence of Spin-Density Wave in Iron-Pnictide SuperconductorNaFe1−xCoxAs. Physical Review X, 2013, 3, .	7.9	43
147	Magnetic anisotropy in hole-doped superconducting Ba0.67K0.33Fe2As2probed by polarized inelastic neutron scattering. Physical Review B, 2013, 87, .	2.4	27
148	Persistent high-energy spin excitations in iron-pnictide superconductors. Nature Communications, 2013, 4, .	10.8	113
149	Avoided Quantum Criticality and Magnetoelastic Coupling inBaFe2−xNixAs2. Physical Review Letters, 2013, 110, .	5.8	74
150	Spin Excitation Anisotropy as a Probe of Orbital Ordering in the Paramagnetic Tetragonal Phase of SuperconductingBaFe1.904Ni0.096As2. Physical Review Letters, 2013, 111, .	5.8	59
151	Doping dependence of spin excitations and its correlations with high-temperature superconductivity in iron pnictides. Nature Communications, 2013, 4, .	10.8	108
152	Longitudinal and transverse Hall resistivities in NaFe1−xCoxAs single crystals withx= 0.022 and 0.0205: weak pinning and anomalous electrical transport properties. Journal of Physics Condensed Matter, 2013, 25, 395702.	1.6	7
153	Longitudinal Spin Excitations and Magnetic Anisotropy in Antiferromagnetically OrderedBaFe2As2. Physical Review X, 2013, 3, .	7.9	35
154	Distinguishings±ands++electron pairing symmetries by neutron spin resonance in superconducting NaFe0.935Co0.045As. Physical Review B, 2013, 88, .	2.4	47
155	Measurement of a Double Neutron-Spin Resonance and an Anisotropic Energy Gap for Underdoped SuperconductingNaFe0.985Co0.015AsUsing Inelastic Neutron Scattering. Physical Review Letters, 2013, 111, .	5.8	41
156	Superconductivity and antiferromagnetism in Ba0.75K0.25Fe2As2single crystals as seen by57Fe Mössbauer spectroscopy. Physical Review B, 2013, 88, .	2.4	8
157	Microscopic coexistence of a two-component incommensurate spin density wave with superconductivity in underdoped NaFe0.983Co0.017As. Physical Review B, 2013, 88, .	2.4	10
158	In-plane spin excitation anisotropy in the paramagnetic state of NaFeAs. Physical Review B, 2013, 88, .	2.4	35
159	Strong-coupling superconductivity in NaFe1−xCoxAs: Validity of Eliashberg theory. Physical Review B, 2013, 87, .	2.4	30
160	Paramagnetic spin excitations in insulating Rb0.8Fe1.6Se2. Physical Review B, 2013, 87, .	2.4	1
161	Spin pairing and penetration depth measurements from nuclear magnetic resonance in NaFe0.975Co0.025As. Physical Review B, 2013, 87, .	2.4	10
162	Electron doping evolution of the magnetic excitations in BaFe2−xNixAs2. Physical Review B, 2013, 88, .	2.4	45

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163	Uniaxial pressure effect on structural and magnetic phase transitions in NaFeAs and its comparison with as-grown and annealed BaFe2As2. Physical Review B, 2013, 87, .	2.4	34
164	Simultaneous Optimization of Spin Fluctuations and Superconductivity under Pressure in an Iron-Based Superconductor. Physical Review Letters, 2013, 111, .	5.8	21
165	Evolution of normal and superconducting properties of single crystals of Na1−δFeAs upon interaction with environment. Physical Review B, 2012, 85, .	2.4	32
166	Magnetization in the superconducting state of UPt3from polarized neutron diffraction. Physical Review B, 2012, 86, .	2.4	11
167	Temperature dependence of the paramagnetic spin excitations in BaFe2As2. Physical Review B, 2012, 86, .	2.4	26
168	Doping-dependent anisotropic superconducting gap in Na1−δ(Fe1−xCox)As from London penetration depth. Physical Review B, 2012, 86, .	2.4	19
169	Temperature dependence of the resonance and low-energy spin excitations in superconducting FeTe0.6Se0.4. Physical Review B, 2012, 85, .	2.4	9
170	Magnetic field dependence of spin-lattice relaxation in thes±state of Ba0.67K0.33Fe2As2. Physical Review B, 2012, 85, .	2.4	4
171	Neutron scattering studies of spin excitations in superconducting Rb0.82Fe1.68Se2. Physical Review B, 2012, 86, .	2.4	19
172	Magnetism and its microscopic origin in iron-based high-temperature superconductors. Nature Physics, 2012, 8, 709-718.	10.6	523
173	Coexistence and Competition of the Short-Range Incommensurate Antiferromagnetic Order with the Superconducting State ofBaFe2−xNixAs2. Physical Review Letters, 2012, 108, .	5.8	94
174	Environmental stability and anisotropic resistivity of Co-doped Na1−δFe1−xCoxAs. Physical Review B, 2012, 86, .	2.4	29
175	Effect of Li-deficiency impurities on the electron-overdoped LiFeAs superconductor. Physical Review B, 2012, 86, .	2.4	29
176	Polarized neutron scattering studies of magnetic excitations in electron-overdoped superconducting BaFe1.85Ni0.15As2. Physical Review B, 2012, 85, .	2.4	27
177	Electron doping evolution of the anisotropic spin excitations in BaFe2−xNixAs2. Physical Review B, 2012, 86, .	2.4	48
178	Evidence of a Spin Resonance Mode in the Iron-Based SuperconductorBa0.6K0.4Fe2As2from Scanning Tunneling Spectroscopy. Physical Review Letters, 2012, 108, .	5.8	59
179	Nature of magnetic excitations in superconducting BaFe1.9Ni0.1As2. Nature Physics, 2012, 8, 376-381.	10.6	129
180	Magnetic frustration and iron-vacancy ordering in iron chalcogenide. Physical Review B, 2012, 85, .	2.4	16

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181	Close relationship between superconductivity and the bosonic mode in Ba0.6K0.4Fe2As2 and Na(Fe0.975Co0.025)As. Nature Physics, 2012, 9, 42-48.	10.6	65
182	Superconductivity and spin fluctuations. Frontiers of Physics, 2012, 6, 429-439.	3.6	7
183	Spin waves and magnetic exchange interactions in insulating Rb0.89Fe1.58Se2. Nature Communications, 2011, 2, .	10.8	86
184	Magnetic field effect on static antiferromagnetic order and spin excitations in the underdoped iron arsenide superconductor BaFe1.92Ni0.08As2. Physical Review B, 2011, 83, .	2.4	30
185	Nematic spin fluid in the tetragonal phase of BaFe2As2. Physical Review B, 2011, 84, .	2.4	197
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