Pengcheng Dai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5309543/publications.pdf

Version: 2024-02-01

298 papers	17,363 citations	17405 63 h-index	16605 123 g-index
308 all docs	308 docs citations	308 times ranked	7703 citing authors

#	Article	IF	Citations
1	Massless Dirac magnons in the two dimensional van der Waals honeycomb magnet CrCl₃. 2D Materials, 2022, 9, 015006.	2.0	16
2	Correlation-driven electronic reconstruction in FeTe1âˆ’xSex. Communications Physics, 2022, 5, .	2.0	17
3	Time-reversal symmetry-breaking charge order in a kagome superconductor. Nature, 2022, 602, 245-250.	13.7	207
4	Electron-phonon coupling in the charge density wave state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CsV</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2022, 105, .	1.1	48
5	The Magnetic Genome of Two-Dimensional van der Waals Materials. ACS Nano, 2022, 16, 6960-7079.	7.3	149
6	Complex structure due to As bonding and interplay with electronic structure in superconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaNi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2022, 105, .	1.1	5
7	Spin-excitation anisotropy in the nematic state of detwinned FeSe. Nature Physics, 2022, 18, 806-812.	6.5	15
8	Anisotropic magnon damping by zero-temperature quantum fluctuations in ferromagnetic CrGeTe3. Nature Communications, 2022, 13, .	5.8	10
9	Spin dynamics in NaFeAs and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaFe</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> probed by resonant inelastic x-ray scattering. Physical Review B, 2021, 103, .	1.1	3
10	Spinon Fermi Surface Spin Liquid in a Triangular Lattice Antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>NaYbSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review X, 2021, 11, .	2.8	42
11	High-energy magnetic excitations from heavy quasiparticles in CeCu2Si2. Npj Quantum Materials, 2021, 6, .	1.8	6
12	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, .	3.3	30
13	Electronic nature of chiral charge order in the kagome superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Cs</mml:mi><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Sb</mml:mi><mml:mn>5</mml:mn></mml:mrow></mml:math> Physical Review B, 2021, 104, .	1.1	108
14	Excess-iron driven spin glass phase in Fe1 + y Te1 â€“ x Se x *. Chinese Physics B, 2021, 30, 087402.	0.7	1
15	Magnetic Field Effect on Topological Spin Excitations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CrI</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>	2.8	37
16	Field-induced topological Hall effect and double-fan spin structure with a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>c</mml:mi></mml:math> -axis component in the metallic kagome antiferromagnetic compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">Y</mml:mi><mml:msub><mml:mi>Mn</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:msub><mml:mi>Sn</mml:mi> Physical Review B, 2021, 103, .	1.1	67
17	RKKY coupled local-moment magnetism in NaFe1âˆ’xCuxAs. Physical Review B, 2021, 104, .	1.1	1
18	Spin excitations in metallic kagome lattice FeSn and CoSn. Communications Physics, 2021, 4, .	2.0	23

#	Article	IF	Citations
19	Quasiparticle coherence in the nematic state of FeSe. Physical Review B, 2021, 104, .	1.1	6
20	Spin waves and Dirac magnons in a honeycomb-lattice zigzag antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>BaNi</mml:mtext><mml:mn>2</mml:mn> Physical Review B, 2021, 104, .	1.1	2
21	Resonance from antiferromagnetic spin fluctuations for superconductivity in UTe2. Nature, 2021, 600, 636-640.	13.7	34
22	Nature of the spin resonance mode in CeCoIn5. Communications Physics, 2020, 3, .	2.0	14
23	Incommensurate Spin Fluctuations in the Spin-Triplet Superconductor Candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>UTe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review Letters, 2020, 125, 237003.	2.9	60
24	In-plane uniaxial pressure-induced out-of-plane antiferromagnetic moment and critical fluctuations in BaFe2As2. Nature Communications, 2020, 11, 5728.	5.8	8
25	Electronic and Magnetic Anisotropies in FeSe Family of Iron-Based Superconductors. Frontiers in Physics, 2020, 8, .	1.0	5
26	Orbital selective spin waves in detwinned NaFeAs. Physical Review B, 2020, 102, .	1.1	8
27	Uniaxial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>c</mml:mi></mml:math> -axis pressure effects on the underdoped superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></mml:msub>	1.1	2
28	Stripe antiferromagnetism and disorder in the Mott insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaFe</mml:mi><mml:mrow><mml:mn>1</mml:mn> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mi>x</mml:mi><mml:mo>â‰²</mml:mo> Physical Review B, 2020, 101, .	1.1	6
29	Strong local moment antiferromagnetic spin fluctuations in V-doped LiFeAs. Npj Quantum Materials, 2020, 5, .	1.8	4
30	Anisotropic magnetic excitations of a frustrated bilinear-biquadratic spin model: Implications for spin waves of detwinned iron pnictides. Physical Review B, 2020, 101, .	1.1	5
31	Anisotropic effect of a magnetic field on the neutron spin resonance in FeSe. Physical Review B, 2020, 101, .	1.1	2
32	Magnetic anisotropy in ferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrI</mml:mi><mml:mn>3</mml:mn> Physical Review B, 2020, 101, .	1.1	68
33	Magnetic order and fluctuations in the quasi-two-dimensional planar magnet Sr(Co1â^'xNix)2As2. Physical Review B, 2020, 102, .	1.1	1
34	Momentum Dependence of the Nematic Order Parameter in Iron-Based Superconductors. Physical Review Letters, 2019, 123, 066402.	2.9	41
35	Plaquette instability competing with bicollinear ground state in detwinned FeTe. Physical Review B, 2019, 100, .	1.1	7
36	Experimental signatures of a three-dimensional quantum spin liquid in effective spin-1/2 Ce2Zr2O7 pyrochlore. Nature Physics, 2019, 15, 1052-1057.	6.5	92

#	Article	IF	Citations
37	Flat-band magnetism and helical magnetic order in Ni-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SrCo</mml:mi><mml:mn>2</mml:mn></ Physical Review B, 2019, 100, .	1.1	15
38	Spin fluctuation anisotropy as a probe of orbital-selective hole-electron quasiparticle excitations in detwinned <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ba</mml:mi><mml:msub><mml:mrow><mml:mo>(Physical Review B, 2019, 100, .	1.1	10
39	Surface terminations and layer-resolved tunneling spectroscopy of the 122 iron pnictide superconductors. Physical Review B, 2019, 99, .	1.1	16
40	Anisotropic spin fluctuations in detwinned FeSe. Nature Materials, 2019, 18, 709-716.	13.3	60
41	Weaker nematic phase connected to the first order antiferromagnetic phase transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SrFe</mml:mi><mml:mn>2</mml:mn></ compared to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></ Physical Review B, 2019, 99, .	1.1	5
42	High-K dielectric sulfur-selenium alloys. Science Advances, 2019, 5, eaau9785.	4.7	13
43	Possible Mott transition in layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></ mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> single crystals. Physical Review B, 2019, 99, .	1.1	3
44	Coexistence of Ferromagnetic and Stripe Antiferromagnetic Spin Fluctuations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>SrCo</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review Letters, 2019, 122, 117204.	2.9	23
45	Toward the Mott state with magnetic cluster formation in heavily Cu-doped NaFe1â^'xCuxAs. Physical Review B, 2019, 99, .	1.1	5
46	Low-carrier density and fragile magnetism in a Kondo lattice system. Physical Review B, 2019, 99, .	1.1	9
47	Nematic Energy Scale and the Missing Electron Pocket in FeSe. Physical Review X, 2019, 9, .	2.8	66
48	Direct observation of spin excitation anisotropy in the paramagnetic orthorhombic state of BaFe2â^'xNixAs2. Physical Review B, 2018, 97, .	1.1	7
49	Spin-isotropic continuum of spin excitations in antiferromagnetically ordered Fe1.07Te. Physical Review B, 2018, 97, .	1.1	6
50	Topological Spin Excitations in Honeycomb Ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CrI</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ Physical Review X, 2018, 8, .	2.8	188
51	Anomalous Metamagnetism in the Low Carrier Density Kondo Lattice <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>YbRh</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ Physical Review X, 2018, 8, .	2.8	12
52	c-axis pressure-induced antiferromagnetic order in optimally P-doped BaFe2(As0.70P0.30)2 superconductor. Npj Quantum Materials, 2018, 3, .	1.8	1
53	Raman scattering study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaFe</mml:mi><mml:mrow><mml:mn>0. Physical Review B, 2018, 98, .	1.1	0
54	Neutron spin resonance as a probe of Fermi surface nesting and superconducting gap symmetry in Ba0.67K0.33(Fe1â^'xCox)2As2. Physical Review B, 2018, 98, .	1.1	10

#	Article	IF	Citations
55	Local orthorhombic lattice distortions in the paramagnetic tetragonal phase of superconducting NaFe1âˆ'xNixAs. Nature Communications, 2018, 9, 3128.	5.8	20
56	Doping effects of Cr on the physical properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mrow><mml:mn>1.9< Physical Review B, 2018, 98, .	1.1	7
57	Unusual suppression of a spin resonance mode by magnetic field in underdoped NaFe1âˆ'xCoxAs : Evidence for orbital-selective pairing. Physical Review B, 2018, 98, .	1.1	3
58	Spin Waves in Detwinned <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>BaFe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review Letters, 2018, 121, 067002.	2.9	23
59	Dynamic Spin-Lattice Coupling and Nematic Fluctuations in NaFeAs. Physical Review X, 2018, 8, .	2.8	9
60	Reduced electronic correlation effects in half substituted Ba(Fe1âˆ'xCox)2As2. Applied Physics Letters, 2018, 112, .	1.5	6
61	Disentangling superconducting and magnetic orders in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaFe</mml:mi><mml:mrow><mml:mn>1- using muon spin rotation. Physical Review B, 2018, 97, .	1.1	8
62	Observation of the weak electronic correlations in KFeCoAs2 (3d 6): an isoelectronic to the parent compounds of 122 series of iron pnictides BaFe2As2. Journal of Physics Condensed Matter, 2017, 29, 085503.	0.7	5
63	Uniaxial pressure effect on the magnetic ordered moment and transition temperatures in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mrow><mml:mn>2<		

#	Article	IF	Citations
73	Correlation-driven metal-insulator transition in proximity to an iron-based superconductor. Physical Review B, 2017, 96, .	1.1	13
74	Spin susceptibility of the topological superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="bold">UPt</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> from polarized neutron diffraction. Physical Review B, 2017, 96, .	1.1	6
75	Spin excitations and the Fermi surface of superconducting FeS. Npj Quantum Materials, 2017, 2, .	1.8	14
76	Orbital selective neutron spin resonance in underdoped superconducting NaFe0.985Co0.015As. Physical Review B, 2017, 95, .	1.1	8
77	Spin excitation anisotropy in the optimally isovalent-doped superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></ Physical Review B, 2017, 96, .	1.1	13
78	A Mott insulator continuously connected to iron pnictide superconductors. Nature Communications, 2016, 7, 13879.	5.8	36
79	Spin anisotropy due to spin-orbit coupling in optimally hole-doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mrow><mml:mn>0.67</ mathvariant="normal">K</mml:mi><mml:mrow><mml:mn>0.33</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi>Fe</mml Physical Review B, 2016, 94, .	1.1	12
80	Absence of Long-Wavelength Nematic Fluctuations in LiFeAs. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3049-3051.	0.8	2
81	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.	2.8	2
82	Nematic Quantum Critical Fluctuations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>BaFe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn><m Physical Review Letters, 2016, 117, 157002.	2.9	33
83	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>NaFe</mml:mi></mml:mrow><mml:mrow><mml:mn>0.56</mml:m A Pnictide Insulating Phase Induced by On-Site Coulomb Interaction. Physical Review Letters, 2016, 117, 097001.	2.9	16
84	Spin excitations in optimally P-doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></mml:mrow Physical Review B, 2016, 94, .	1.1	16
85	Effect of Nematic Order on the Low-Energy Spin Fluctuations in Detwinned <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>BaFe</mml:mi></mml:mrow><mml:mrow><mml:mn> Physical Review Letters, 2016, 117, 227003.	2.9	23
86	Critical quadrupole fluctuations and collective modes in iron pnictide superconductors. Physical Review B, 2016, 93, .	1.1	74
87	Electronic specific heat in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>BaFe</mml:mtext><mml:mrow><mml:mn> Physical Review B, 2016, 93, .	1.1	7
88	Electron doping evolution of the neutron spin resonance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaFe</mml:mi><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2016, 93, .	1.1	11
89	Experimental elucidation of the origin of the â€˜double spin resonancesâ€™ inBa(Fe1â^'xCox)2As2. Physical Review B, 2016, 93, .	1.1	12
90	Electron doping evolution of the magnetic excitations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaFe</mml:mi><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2016, 93, .	1.1	14

#	Article	IF	Citations
91	Orbital Selective Spin Excitations and their Impact on Superconductivity of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LiFe</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mn> Physical Review Letters, 2016, 116, 247001.	2.9	31
92	Nematic magnetoelastic effect contrasted betweenBa(Fe1â^'xCox)2As2and FeSe. Physical Review B, 2016, 93, .	1.1	12
93	Impact of uniaxial pressure on structural and magnetic phase transitions in electron-doped iron pnictides. Physical Review B, 2016, 93, .	1.1	32
94	Electron doping evolution of structural and antiferromagnetic phase transitions inNaFe1â^'xCoxAsiron pnictides. Physical Review B, 2016, 94, .	1.1	13
95	Robust upward dispersion of the neutron spin resonance in the heavy fermion superconductor Ce1â^'xYbxCoIn5. Nature Communications, 2016, 7, 12774.	5.8	30
96	High-Temperature Superconductors. Experimental Methods in the Physical Sciences, 2015, , 145-201.	0.1	1
97	Spin waves and spatially anisotropic exchange interactions in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml: antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Rb</mml:mi><mml:mrow><mml:mn>0.8</mml:	1.1	10
98	Mott localization in a pure stripe antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Rb</mml:mi><mml:mrow><mml:mn>1</mml:mn> mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	1.1	12
99	Electronic nematic correlations in the stress-free tetragonal state of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mrow><mml:mn>2</mml: Physical Review B, 2015, 92, .	1.1	30
100	Energy dependence of the spin excitation anisotropy in uniaxial-strainedBaFe1.9Ni0.1As2. Physical Review B, 2015, 92, .	1.1	18
101	Nematic Crossover inBaFe2As2under Uniaxial Stress. Physical Review Letters, 2015, 115, 197002.	2.9	27
102	Antiferromagnetic order and spin dynamics in iron-based superconductors. Reviews of Modern Physics, 2015, 87, 855-896.	16.4	560
103	Chemical tuning of electrical transport in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Ti</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mtext>â^'</mml:mtext><mml:mi>x</mml:mi></mml: mathvariant="normal">Pt</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">Se</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mtext>â^'</mml:mtext><mml:mi>y</mml:mi></mml: Physical Review B, 2015, 91, .	1.1	9
104	Nodeless superconductivity in the presence of spin-density wave in pnictide superconductors: The case ofBaFe2â^'xNixAs2. Physical Review B, 2015, 91, .	1.1	27
105	Long-range two-dimensional superstructure in the superconducting electron-doped cuprate$Pr_{0.88}LaCe_{0.12}CuO_4$. Physical Review B, 2015, 92, .	1.1	5
106	Photoemission study of the electronic structure and charge density waves of Na2Ti2Sb2O. Scientific Reports, 2015, 5, 9515.	1.6	11
107	Structural and Magnetic Phase Transitions near Optimal Superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:msub><mml:mrow><mml:mi>BaFe</mml:mi></mml:mrow><mml:mrow><mml:mrow>		

#	Article	IF	Citations
109	Neutron spin resonance as a probe of superconducting gap anisotropy in partially detwinned electron underdopedNaFe0.985Co0.015As. Physical Review B, 2015, 91, .	1.1	6
110	Two spatially separated phases in semiconductingRb0.8Fe1.5S2. Physical Review B, 2014, 90, .	1.1	19
111	Short-range cluster spin glass near optimal superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ba</mml:mi><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:m Physical Review B, 2014, 90, .	1.1	45
112	Iron-based high transition temperature superconductors. National Science Review, 2014, 1, 371-395.	4.6	167
113	Anisotropic neutron spin resonance in underdoped superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">NaFe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi></mml:mrow mathvariant="normal">Co</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">As</mml:mi></mml:math>. Physical Review B, 2014, 90, .	1.1	26
114	Structure and composition of the superconducting phase in alkali iron selenide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>K</mml:mi><mml:mi>y</mml:mi></mml:msub><mml:msu Physical Review B, 2014, 89, .	1.1	34
115	Phase separation, competition, and volume-fraction control inNaFe1âˆ’xCoxAs. Physical Review B, 2014, 90, .	1.1	11
116	Observation of Momentum-Confined In-Gap Impurity State inBa0.6K0.4Fe2As2: Evidence for AntiphasesÂ±Pairing. Physical Review X, 2014, 4, .	2.8	14
117	Influence of doping on the spin dynamics and magnetoelectric effect in hexagonal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>0.7</mml:mn></mml:msub><mml:msub><mml:mi>Lu</mml:mi><mml:mn>0.3</mml:m mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	1.1	16
118	Effect of Pnictogen Height on Spin Waves in Iron Pnictides. Physical Review Letters, 2014, 112, .	2.9	55
119	Evolution of London penetration depth with scattering in single crystals of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi></ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">Na</mml:mi></mml:mrow><mml:mi>x</mml:mi></mml:msub></mml:math> <mml:math xmlns:mml="http://www.w3.org/19. Physical Review B, 2014, 89, .	1.1	20
120	The effect of Cr impurity to superconductivity in electron-doped BaFe_{2âˆ’<i>x</i>}Ni_{<i>x</i>}As₂. Superconductor Science and Technology, 2014, 27, 115003.	1.8	14
121	Nematic spin correlations in the tetragonal state of uniaxial-strained BaFe _{2âˆ’} <i> _x </i> Ni <i> _x </i> As ₂. Science, 2014, 345, 657-660.	6.0	167
122	Anisotropic but Nodeless Superconducting Gap in the Presence of Spin-Density Wave in Iron-Pnictide Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>NaFe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo mathvariant="bold">âˆ’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi>Co</mml:mi><mml:mi>x</m Physical Review X, 2013, 3, .	2.8	42
123	Close relationship between superconductivity and the bosonic mode in Ba0.6K0.4Fe2As2 and Na(Fe0.975Co0.025)As. Nature Physics, 2013, 9, 42-48.	6.5	53
124	Magnetic anisotropy in hole-doped superconducting Ba<mml:math 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 xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.33</mml:mn></mml:mrow></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	27
125	Persistent high-energy spin excitations in iron-pnictide superconductors. Nature Communications, 2013, 4, 1470.	5.8	101
126	Avoided Quantum Criticality and Magnetoelastic Coupling in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BaFe</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml: Physical Review Letters, 2013, 110, 257001.	2.9	68

#	Article	IF	Citations
127	Spin Excitation Anisotropy as a Probe of Orbital Ordering in the Paramagnetic Tetragonal Phase of Superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>1.904</mml:mn></mml:msub><mml:msub><mml:mi>Ni</mml:mi> Physical Review Letters, 2013, 111, 107006.	2.9	56
128	Doping dependence of spin excitations and its correlations with high-temperature superconductivity in iron pnictides. Nature Communications, 2013, 4, 2874.	5.8	94
129	Longitudinal and transverse Hall resistivities in NaFe1â^'xCoxAs single crystals withx= 0.022 and 0.0205: weak pinning and anomalous electrical transport properties. Journal of Physics Condensed Matter, 2013, 25, 395702.	0.7	6
130	Longitudinal Spin Excitations and Magnetic Anisotropy in Antiferromagnetically Ordered<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ba</mml:mi><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi Physical Review X, 2013, 3, .	2.8	34
131	display="inline"><mml:msup><mml:mi>s</mml:mi><mml:mo>Â±</mml:mo></mml:msup></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>s</mml:mi><mml:mrow><mml:mo>+</mml:mo><mml:mo>+</mml:mo></mml:mrow></mml: pairing symmetries by neutron spin resonance in superconducting NaFe<mml:math	1.1	45
132	Measurement of a Double Neutron-Spin Resonance and an Anisotropic Energy Gap for Underdoped Superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>NaFe</mml:mi><mml:mn>0.985</mml:mn></mml:msub><mml:msub><mml:mi>Co</mml:mi>< inelastic Neutron Scattering. Physical Review Letters, 2013, 111, 207002.	2.9	40
133	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.75</mml:mn></mml:mrow></mml:msub></mml:math>K<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	1.1	7
134	Microscopic coexistence of a two-component incommensurate spin density wave with superconductivity in underdoped NaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.983</mml:mn></mml:mrow></mml:msub></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	1.1	10
135	/><mml:mrow><mml:mn>0.017</mml:mn></mml:mrow></mml:msub></mml:math>As. Physical Review B, 2 In-plane spin excitation anisotropy in the paramagnetic state of NaFeAs. Physical Review B, 2013, 88, .	1.1	34
136	Strong-coupling superconductivity in NaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Co<mml: xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>As: Validity of Eliashberg theory. Physical Review B, 2013, 87, .	1.1	30
137	Paramagnetic spin excitations in insulating Rb0.8Fe1.6Se2. Physical Review B, 2013, 87, .	1.1	1
138	Spin pairing and penetration depth measurements from nuclear magnetic resonance in NaFe0.975Co0.025As. Physical Review B, 2013, 87, .	1.1	10
139	Electron doping evolution of the magnetic excitations in BaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Ni<mml: xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>As.	1.1	42
140	Uniaxial pressure effect on structural and magnetic phase transitions in NaFeAs and its comparison with as-grown and annealed BaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 87, .	1.1	33
141	Simultaneous Optimization of Spin Fluctuations and Superconductivity under Pressure in an Iron-Based Superconductor. Physical Review Letters, 2013, 111, 107004.	2.9	19
142	Evidence for multiple nodeless gaps and electron-mode coupling from scanning tunneling spectroscopy in the iron-based superconductor Ba0.6K0.4Fe2As2. AIP Conference Proceedings, 2012, , .	0.3	1
143	Evolution of normal and superconducting properties of single crystals of Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â€“</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml:msub></mml:math>FeAs upon interaction with environment. Physical Review B, 2012, 85, .	1.1	32
144	Magnetization in the superconducting state of UPt<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>from polarized neutron diffraction. Physical Review B, 2012, 86, .	1.1	9

#	Article	IF	Citations
145	Temperature dependence of the paramagnetic spin excitations in BaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	1.1	24
146	Doping-dependent anisotropic superconducting gap in Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

#	Article	IF	Citations
163	Electron-spin excitation coupling in an electron-doped copper oxide superconductor. Nature Physics, 2011, 7, 719-724.	6.5	25
164	Energizer keep going: 100 years of superconductivity. Frontiers of Physics, 2011, 6, 343-343.	2.4	0
165	Neutron Scattering Studies of spin excitations in hole-doped Ba0.67K0.33Fe2As2 superconductor. Scientific Reports, 2011, 1, 115.	1.6	72
166	Three-dimensionality of band structure and a large residual quasiparticle population in Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mn>0</mml:mn><mml:mo>.</mml:mo><mml:mn>67</mml:mn></mml:mrow></mml:msub></mml:mrow></mml: xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mn>0</mml:mn><mml:mo>.	1.1	12
167	display="inline"><mml:mo stretchy="false">(</mml:mo><mml:mi>Fe</mml:mi><mml:mo>,</mml:mo><mml:mn>0</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rg xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Fe</mml:mi><mml:mn>1.05</mml:mn></mml:msub><mml:mi>Te</mml:mi></mml:math>.	2.9	96
168	Antiferromagnetic spin excitations in single crystals of nonsuperconducting Li1â˜xFeAs. Physical Review B, 2011, 83, .	1.1	30
169	Effect of the in-plane magnetic field on the neutron spin resonance in optimally doped FeSe0.4Te0.6and BaFe1.9Ni0.1As2superconductors. Physical Review B, 2011, 84, .	1.1	17
170	Common origin of the two types of magnetic fluctuations in iron chalcogenides. Physical Review B, 2011, 84, .	1.1	15
171	Antiferromagnetic order and superlattice structure in nonsuperconducting and superconducting Rb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>y</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.6</mml:mn><mml:mo>+</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Se<mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msu. Physical Review B, 2011,	1.1	54
172	Superconductivity and spin fluctuations. Frontiers of Physics, 2011, 6, 429-439.	2.4	6
173	Spinâ€“lattice coupling in iron-pnictide superconductors. Physica C: Superconductivity and Its Applications, 2010, 470, S294-S295.	0.6	15
174	Low-energy Ce spin excitations in CeFeAsO and CeFeAsO0.84F0.16. Frontiers of Physics in China, 2010, 5, 161-165.	1.0	5
175	Normal-State Hourglass Dispersion of the Spin Excitations inFeSexTe1â˜x. Physical Review Letters, 2010, 105, 157002.	2.9	34
176	Magnetic Quantum Oscillations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml:mi><mml:m mathvariant="bold">O</mml:mi><mml:mn>6.61</mml:mn></mml:msub></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml:mi><mml:m Physical Review Letters, 2010, 104, 086403.	2.9	68
177	Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaFe</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review B, 2010, 81, .	1.1	73
178	Lattice Distortion and Magnetic Quantum Phase Transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>CeFeAs</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â˜</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="bold">P</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="bold">O</mml:mi></mml:math>. Physical Review Letters, 2010, 104, 017204.	2.9	63
179	Direct Observation of Paramagnons in Palladium. Physical Review Letters, 2010, 105, 027207.	2.9	22
180	Magnetic form factor ofSrFe2As2: Neutron diffraction measurements. Physical Review B, 2010, 81, .	1.1	11

#	Article	IF	Citations
181	Anisotropic neutron spin resonance in superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaFe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1.9</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Physical Review B, 2010, 82, .	1.1	55
182	Neutron spin resonance as a probe of the superconducting energy gap of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaFe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1.9</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Physical Review B, 2010, 81, .	1.1	34
183	Anisotropic structure of the order parameter in FeSe0.45Te0.55 revealed by angle-resolved specific heat. Nature Communications, 2010, 1, 112.	5.8	83
184	Spin gap and magnetic resonance in superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaFe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1.9</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Physical Review B, 2009, 79, .	1.1	63
185	Superconducting state coexisting with a phase-separated static magnetic order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mtext>Ba</mml:mtext><mml:mo>,</mml:mo>	1.1	123
186	Annealing effect on the electron-doped superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Pr</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.88</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Physical Review B, 2009, 80, .	1.1	12
187	Transition from Three-Dimensional Anisotropic Spin Excitations to Two-Dimensional Spin Excitations by Electron Doping the FeAs-Based<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow><mml:mi>BaFe</mml:mi></mml:mrow><mml:mrow><mml:mn>1.96</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi>Ni</mml:mi></mml:mrow>	2.9	36
188	Inelastic Neutron-Scattering Measurements of a Three-Dimensional Spin Resonance in the FeAs-Based<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow><mml:mi>BaFe</mml:mi></mml:mrow><mml:mrow><mml:mn>1.9</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi>Ni</mml:mi></mml:mrow>	2.9	170
189	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>R</mml:mi><mml:mi>FeAs</mml:mi><mml:mo mathvariant="bold"		

#	Article	IF	Citations
199	Spin and lattice structures of single-crystalline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SrFe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml: Physical Review B, 2008, 78, .	1.1	184
200	Magnetic order of the iron spins in NdFeAsO. Physical Review B, 2008, 78, .	1.1	122
201	Lattice and magnetic structures of PrFeAsO,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>PrFeAsO</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.85 and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>PrFeAsO</mml:mtext></mml:mrow><mml:mrow><m. [illegible]	1.1	133
202	Low Energy Spin Waves and Magnetic Interactions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>SrFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>As</mml:mi><mml: Physical Review Letters, 2008, 101, 167203.	2.9	161
203	[illegible] field levels in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Pr</mml:mi><mml:msub><mml:mi mathvariant="normal">Os</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">As</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math>. [illegible]	1.1	3
204	Doping evolution of antiferromagnetic order and structural distortion in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LaFeAsO</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</m Physical Review B, 2008, 78, .	1.1	103
205	[illegible] through the metal-to-insulator crossover in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Y</mml:mi><mml:msub><mml:mi mathvariant="normal">Ba</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Cu</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>6</mml:mn><mml:mo>+</mml:mo><mml:mi>y</mml:mi></mml:mrow></m	1.1	21
206	Crystalline Electric Field as a Probe for Long-Range Antiferromagnetic Order and Superconducting State of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>CeFeAsO</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</m mathvariant="normal">F</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:math>. Physical Review Letters, 2008, 101, 217002.	2.9	56
207	Impact of oxygen annealing on the heat capacity and magnetic resonance of superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Pr</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.88</mml Physical Review B, 2008, 78, .	1.1	15
208	Weak-coupling Bardeen-Cooper-Schrieffer superconductivity in the electron-doped cuprate superconductors. Physical Review B, 2008, 77, .	1.1	31
209	Muon-spin-relaxation studies of magnetic order and superfluid density in antiferromagnetic NdFeAsO,BaFe2As2, and superconductingBa1â^'xKxFe2As2. Physical Review B, 2008, 78, .	1.1	89
210	Signature of magnetic phase separation in the ground state ofPr1â^'xCaxMnO3. Physical Review B, 2008, 78, .	1.1	10
211	Distinction between the normal-state gap and superconducting gap of electron-doped cuprates. Physical Review B, 2008, 78, .	1.1	8
212	Peak effect due to Josephson vortices in superconductingPr0.88LaCe0.12CuO4â^'Î´single crystals. Physical Review B, 2007, 75, .	1.1	6
213	Incommensurate magnetic structure in the orthorhombic perovskiteErMnO3. Physical Review B, 2007, 76, .	1.1	47
214	Competition between Antiferromagnetism and Superconductivity in the Electron-Doped Cuprates Triggered by Oxygen Reduction. Physical Review Letters, 2007, 99, 157002.	2.9	29
215	Neutron-Spin Resonance in the Optimally Electron-Doped Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Nd</mml:mi><mml:mn>1.85</mml:mn></mml:msub><mml:msub><mml:mi>Ce</mml:mi><m Physical Review Letters, 2007, 99, 017001.	2.9	44
216	Magnetic fluctuations inn-type high-Tcsuperconductors reveal breakdown of fermiology: Experiments and Fermi-liquid/RPA calculations. Physical Review B, 2007, 76, .	1.1	19

#	Article	IF	Citations
217	Effect of antiferromagnetic spin correlations on lattice distortion and charge ordering in Pr0.5Ca1.5MnO4. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10796-10801.	3.3	17
218	Quantum spin correlations through the superconducting-to-normal phase transition in electron-doped superconducting Pr _{0.88} LaCe _{0.12} CuO _{4-Î´}. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15259-15263.	3.3	19
219	Spin waves throughout the Brillouin zone and magnetic exchange coupling in the ferromagnetic metallic manganitesLa1âˆ’xCaxMnO3(x=0.25,0.30). Physical Review B, 2007, 75, .	1.1	31
220	Evolution of spin excitations in electron-doped Pr0.88LaCe0.12CuO4âˆ’Î´. Physica C: Superconductivity and Its Applications, 2007, 460-462, 52-55.	0.6	0
221	Microscopic annealing process and its impact on superconductivity in Tâ€²-structure electron-doped copper oxides. Nature Materials, 2007, 6, 224-229.	13.3	97
222	A distinct bosonic mode in an electron-doped high-transition-temperature superconductor. Nature, 2007, 450, 1058-1061.	13.7	73
223	Magnons in ferromagnetic metallic manganites. Journal of Physics Condensed Matter, 2007, 19, 315204.	0.7	38
224	Lattice vibrations inLa(Ce)Fe4Sb12andCoSb3: Inelastic neutron scattering and theory. Physical Review B, 2006, 73, .	1.1	50
225	Spontaneous spin-lattice coupling in the geometrically frustrated triangular lattice antiferromagnetCuFeO2. Physical Review B, 2006, 73, .	1.1	181
226	Magnetic energy change available to superconducting condensation in optimally doped YBa2Cu3O6.95. Nature Physics, 2006, 2, 600-604.	6.5	53
227	Resonance in the electron-doped high-transition-temperature superconductor Pr0.88LaCe0.12CuO4-Î´. Nature, 2006, 442, 59-62.	13.7	112
228	Non-Fermi liquid behavior and quantum criticality in and. Physica B: Condensed Matter, 2006, 378-380, 911-914.	1.3	3
229	Spin waves and phonons in the CMR ferromagnet La0.70Ca0.30MnO3. Physica B: Condensed Matter, 2006, 385-386, 66-68.	1.3	6
230	Evolution of Spin-Wave Excitations in Ferromagnetic Metallic Manganites. Physical Review Letters, 2006, 96, 047204.	2.9	45
231	Evolution of low-energy spin dynamics in the electron-doped high-transition-temperature superconductorPr0.88LaCe0.12CuO4âˆ’Î´. Physical Review B, 2006, 74, .	1.1	36
232	High-Energy Spin Excitations in the Electron-Doped SuperconductorPr0.88LaCe0.12CuO4âˆ’Î´withTc=21â€‰â€‰K. Physical Review Letters, 2006, 96, 157001.	2.9	51
233	Transport properties of electron-dopedLa2âˆ’xCexCuO4cuprate thin films. Physical Review B, 2006, 73, .	1.1	19
234	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.	3.3	27

#	Article	IF	Citations
235	Electronically smecticlike liquid-crystal phase in a nearly half-doped manganite. Physical Review B, 2005, 72, .	1.1	15
236	Re-entrant spin glass behavior in Mn-rich YMnO3. Applied Physics Letters, 2005, 87, 042508.	1.5	35
237	Electronically competing phases and their magnetic field dependence in electron-doped nonsuperconducting and superconductingPr0.88LaCe0.12CuO4Â±Î´. Physical Review B, 2005, 71, .	1.1	49
238	Quantum Critical Scaling and the Origin of Non-Fermi-Liquid Behavior inSc1â^'xUxPd3. Physical Review Letters, 2005, 94, 056402.	2.9	24
239	Electronic inhomogeneity and competing phases in electron-doped superconductingPr0.88LaCe0.12CuO4â^'Î´. Physical Review B, 2005, 71, .	1.1	33
240	Spin-charge coupling in lightly dopedNd2â^'xCexCuO4. Physical Review B, 2005, 71, .	1.1	21
241	Distinct pairing symmetries inNd1.85Ce0.15CuO4â^'yandLa1.89Sr0.11CuO4single crystals: Evidence from comparative tunneling measurements. Physical Review B, 2005, 72, .	1.1	44
242	Magnetic-field effect on static antiferromagnetic order above the upper critical field inNd1.85Ce0.15CuO4. Physical Review B, 2004, 69, .	1.1	10
243	Anisotropy in the incommensurate spin fluctuations ofSr2RuO4. Physical Review B, 2004, 69, .	1.1	12
244	Polarized neutron measurement of magnetic order inYBa2Cu3O6.45. Physical Review B, 2004, 69, .	1.1	28
245	Spin-Flop Transition and the Anisotropic Magnetoresistance ofPr1.3â^'xLa0.7CexCuO4: Unexpectedly Strong Spin-Charge Coupling in the Electron-Doped Cuprates. Physical Review Letters, 2004, 92, 227003.	2.9	48
246	The structure of the high-energy spin excitations in a high-transition-temperature superconductor. Nature, 2004, 429, 531-534.	13.7	340
247	Antiferromagnetic Order as the Competing Ground State in Electron-Doped Nd1.85Ce0.15CuO4.. ChemInform, 2003, 34, no.	0.1	0
248	Antiferromagnetic order as the competing ground state in electron-doped Nd1.85Ce0.15CuO4. Nature, 2003, 423, 522-525.	13.7	108
249	Spurious magnetism in high-Tc superconductor. Nature, 2003, 426, 140-140.	13.7	10
250	Effect of a magnetic field on the long-range magnetic order in insulatingNd2CuO4and nonsuperconducting and superconductingNd1.85Ce0.15CuO4. Physical Review B, 2003, 68, .	1.1	42
251	In-Plane Thermal Conductivity ofNd2CuO4: Evidence for Magnon Heat Transport. Physical Review Letters, 2003, 91, 146601.	2.9	49
252	Magnetic order inYBa2Cu3O6+xsuperconductors. Physical Review B, 2002, 66, .	1.1	59

#	Article	IF	Citations
253	Microscopic spin interactions in colossal magnetoresistance manganites. Physical Review B, 2002, 66, .	1.1	29
254	Doping evolution of the phonon density of states and electron-lattice interaction inNd2â^'xCexCuO4+Î´. Physical Review B, 2002, 66, .	1.1	14
255	MAGNETISM AND SUPERCONDUCTIVITY IN YBa2Cu3O6+x SUPERCONDUCTORS. International Journal of Modern Physics B, 2002, 16, 3147-3147.	1.0	0
256	Charge and Spin Structure inYBa2Cu3O6.35. Physical Review Letters, 2002, 88, 097004.	2.9	129
257	Polaron lifetime in La 0.75 Ca 0.25 MnO 3. Applied Physics A: Materials Science and Processing, 2002, 74, s1782-s1784.	1.1	2
258	Magnetic coupling in the insulating and metallic ferromagneticLa1â^'xCaxMnO3. Physical Review B, 2001, 64, .	1.1	43
259	Evolution of the resonance and incommensurate spin fluctuations in superconductingYBa2Cu3O6+x. Physical Review B, 2001, 63, .	1.1	289
260	Growth of n-alkane films on a single-crystal substrate. Chemical Physics Letters, 2001, 348, 168-174.	1.2	30
261	Jahn-Teller Phonon Anomaly and Dynamic Phase Fluctuations inLa0.7Ca0.3MnO3. Physical Review Letters, 2001, 86, 3823-3826.	2.9	50
262	Observation of magnetic moments in the superconducting state ofYBa2Cu3O6.6. Physical Review B, 2001, 64, .	1.1	59
263	One-dimensional nature of the magnetic fluctuations in YBa2Cu 3O6.6. Nature, 2000, 404, 729-731.	13.7	214
264	Magnon damping by magnon-phonon coupling in manganese perovskites. Physical Review B, 2000, 61, 9553-9557.	1.1	120
265	Commensurate Dynamic Magnetic Correlations inLa2Cu0.9Li0.1O4. Physical Review Letters, 2000, 84, 3978-3981.	2.9	11
266	Short-Range Polaron Correlations in the FerromagneticLa1â^'xCaxMnO3. Physical Review Letters, 2000, 85, 2553-2556.	2.9	196
267	Resonance as a measure of pairing correlations in the high-Tc superconductor YBa2Cu3O6.6. Nature, 2000, 406, 965-968.	13.7	180
268	Synchrotron x-ray-diffraction study of the structure and growth of Xe films adsorbed on the Ag(111) surface. Physical Review B, 1999, 59, 15464-15479.	1.1	14
269	Neutron scattering and the search for mechanisms of superconductivity. Physica C: Superconductivity and Its Applications, 1999, 317-318, 9-17.	0.6	4
270	The Weights of Various Features in the Magnetic Spectra of Cuprates. Physica Status Solidi (B): Basic Research, 1999, 215, 519-522.	0.7	14

#	Article	IF	Citations
271	The Magnetic Excitation Spectrum and Thermodynamics of High-Tc Superconductors. Science, 1999, 284, 1344-1347.	6.0	265
272	Spin fluctuations in YBa2Cu3O6.6. Nature, 1998, 395, 580-582.	13.7	306
273	Localized vibrational modes in metallic solids. Nature, 1998, 395, 876-878.	13.7	532
274	NEURON SCATTERING STUDIES OF THE MAGNETIC FLUCTUATIONS IN YBa2Cu3O7â˜Î´. Journal of Physics and Chemistry of Solids, 1998, 59, 2140-2144.	1.9	13
275	Magnetic correlations in a classic Mott system. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 283-286.	1.0	6
276	Softening and Broadening of the Zone Boundary Magnons inPr0.63Sr0.37MnO3. Physical Review Letters, 1998, 80, 1316-1319.	2.9	118
277	Evolution of the Low-Frequency Spin Dynamics in Ferromagnetic Manganites. Physical Review Letters, 1998, 80, 4012-4015.	2.9	165
278	Neutron-diffraction study ofCeCuGa3. Physical Review B, 1998, 57, 7419-7422.	1.1	10
279	Daiet al.Reply:. Physical Review Letters, 1998, 80, 1794-1794.	2.9	2
280	Incommensurate Magnetic Fluctuations inYBa2Cu3O6.6. Physical Review Letters, 1998, 80, 1738-1741.	2.9	222
281	Magnetic correlations and quantum criticality in the insulating antiferromagnetic, insulating spin liquid, renormalized Fermi liquid, and metallic antiferromagnetic phases of the Mott systemV2O3. Physical Review B, 1998, 58, 12727-12748.	1.1	53
282	Dramatic Switching of Magnetic Exchange in a Classic Transition Metal Oxide: Evidence for Orbital Ordering. Physical Review Letters, 1997, 78, 507-510.	2.9	76
283	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.	1.2	62
284	Pseudogap and incommensurate magnetic fluctuations in YBa2Cu3O6.6. Physica B: Condensed Matter, 1997, 241-243, 524-527.	1.3	5
285	Absolute measurements of the high-frequency magnetic dynamics in Hihg-Tc superconductors. Physica B: Condensed Matter, 1997, 241-243, 765-772.	1.3	17
286	Fermi- and non-Fermi-liquid ground states in M1â˜'xUxPd3 (M î—» Sc, Y, La, Pr, Zr, Th) systems. Physica B: Condensed Matter, 1996, 223-224, 447-452.	1.3	15
287	The static and dynamic lattice effects in La1â˜'xCaxMnO3. Solid State Communications, 1996, 100, 865-869.	0.9	25
288	Experimental evidence for the dynamic Jahn-Teller effect inLa0.65Ca0.35MnO3. Physical Review B, 1996, 54, R3694-R3697.	1.1	230

#	Article	IF	Citations
289	Incommensurate One-Dimensional Fluctuations inYBa2Cu3O6.93. Physical Review Letters, 1996, 77, 370-373.	2.9	52
290	Magnetic Dynamics in UnderdopedYBa2Cu3O7â^'x: Direct Observation of a Superconducting Gap. Physical Review Letters, 1996, 77, 5425-5428.	2.9	114
291	Recent neutron-scattering results on high-temperature superconductors. Physica B: Condensed Matter, 1995, 213-214, 43-47.	1.3	13
292	Synthesis and neutron powder diffraction study of the superconductor HgBa2Ca2Cu3O8 + Î´ by Tl substitution. Physica C: Superconductivity and Its Applications, 1995, 243, 201-206.	0.6	71
293	Neutron Scattering Studies ofY1â^'xUxPd3Compounds. Physical Review Letters, 1995, 75, 1202-1205.	2.9	30
294	Structural perfection in physisorbed films: A synchrotron x-ray diffraction study of xenon adsorbed on the Ag(111) surface. Physical Review Letters, 1994, 72, 685-688.	2.9	23
295	Angle calculations for a five-circle diffractometer used in surface X-ray diffraction experiments. Journal of Applied Crystallography, 1993, 26, 697-705.	1.9	3
296	X-ray-diffraction and scanning-tunneling-microscopy studies of a liquid-crystal film adsorbed on single-crystal graphite. Physical Review B, 1993, 47, 7401-7407.	1.1	15
297	Ultrahigh vacuum chamber for synchrotron xâ€ray diffraction from films adsorbed on singleâ€crystal surfaces. Review of Scientific Instruments, 1992, 63, 3835-3841.	0.6	7
298	Nematic Fluctuations in the Non-Superconducting Iron Pnictide BaFe1.9â^'xNi0.1CrxAs2. Frontiers in Physics, 0, 10, .	1.0	2