

Pengcheng Dai

List of Publications by Year in descending order

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298
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16605

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times ranked

7703
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Magnetic order close to superconductivity in the iron-based layered LaO _{1-x} F _x FeAs systems. Nature, 2008, 453, 899-902. | 13.7 | 1,725 |
| 2 | Structural and magnetic phase diagram of CeFeAsO _{1-x} F _x and its relation to high-temperature superconductivity. Nature Materials, 2008, 7, 953-959. | 13.3 | 706 |
| 3 | Antiferromagnetic order and spin dynamics in iron-based superconductors. Reviews of Modern Physics, 2015, 87, 855-896. | 16.4 | 560 |
| 4 | Localized vibrational modes in metallic solids. Nature, 1998, 395, 876-878. | 13.7 | 532 |
| 5 | First-order magnetic and structural phase transitions in $\text{Fe}_{1-x}\text{Co}_x\text{As}$. Physical Review B, 2009, 79, . | 1.1 | 488 |
| 6 | Magnetism and its microscopic origin in iron-based high-temperature superconductors. Nature Physics, 2012, 8, 709-718. | 6.5 | 481 |
| 7 | Spin waves and magnetic exchange interactions in CaFe_2As_2 . Nature Physics, 2009, 5, 555-560. | 6.5 | 366 |
| 8 | The structure of the high-energy spin excitations in a high-transition-temperature superconductor. Nature, 2004, 429, 531-534. | 13.7 | 340 |
| 9 | Spin fluctuations in YBa ₂ Cu ₃ O _{6.6} . Nature, 1998, 395, 580-582. | 13.7 | 306 |
| 10 | Evolution of the resonance and incommensurate spin fluctuations in superconducting YBa ₂ Cu ₃ O _{6+x} . Physical Review B, 2001, 63, . | 1.1 | 289 |
| 11 | The Magnetic Excitation Spectrum and Thermodynamics of High-T _c Superconductors. Science, 1999, 284, 1344-1347. | 6.0 | 265 |
| 12 | Experimental evidence for the dynamic Jahn-Teller effect in La _{0.65} Ca _{0.35} MnO ₃ . Physical Review B, 1996, 54, R3694-R3697. | 1.1 | 230 |
| 13 | Incommensurate Magnetic Fluctuations in YBa ₂ Cu ₃ O _{6.6} . Physical Review Letters, 1998, 80, 1738-1741. | 2.9 | 222 |
| 14 | One-dimensional nature of the magnetic fluctuations in YBa ₂ Cu ₃ O _{6.6} . Nature, 2000, 404, 729-731. | 13.7 | 214 |
| 15 | Time-reversal symmetry-breaking charge order in a kagome superconductor. Nature, 2022, 602, 245-250. | 13.7 | 207 |
| 16 | Short-Range Polaron Correlations in the Ferromagnetic La _{1-x} Ca _x MnO ₃ . Physical Review Letters, 2000, 85, 2553-2556. | 2.9 | 196 |
| 17 | Nematic spin fluid in the tetragonal phase of BaFe ₂ As ₂ . Physical Review B, 2011, 84, . | 1.1 | 188 |
| 18 | Topological Spin Excitations in Honeycomb Ferromagnet CrI_3 . Physical Review X, 2018, 8, . | 2.8 | 188 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Spin and lattice structures of single-crystalline SrFe_2As_2 . Physical Review B, 2008, 78, . | 1.1 | 184 |
| 20 | Spontaneous spin-lattice coupling in the geometrically frustrated triangular lattice antiferromagnet CuFeO_2 . Physical Review B, 2006, 73, . | 1.1 | 181 |
| 21 | Resonance as a measure of pairing correlations in the high- T_c superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. Nature, 2000, 406, 965-968. | 13.7 | 180 |
| 22 | Inelastic Neutron-Scattering Measurements of a Three-Dimensional Spin Resonance in the FeAs-Based $\text{BaFe}_{1.9}\text{Ni}$. Physical Review Letters, 2009, 102, 107006. | 2.9 | 170 |
| 23 | Iron-based high transition temperature superconductors. National Science Review, 2014, 1, 371-395. | 4.6 | 167 |
| 24 | Nematic spin correlations in the tetragonal state of uniaxial-strained $\text{BaFe}_2\text{NiAs}_2$. Science, 2014, 345, 657-660. | 6.0 | 167 |
| 25 | Evolution of the Low-Frequency Spin Dynamics in Ferromagnetic Manganites. Physical Review Letters, 1998, 80, 4012-4015. | 2.9 | 165 |
| 26 | Low Energy Spin Waves and Magnetic Interactions in SrFe_2As_2 . Physical Review Letters, 2008, 101, 167203. | 2.9 | 161 |
| 27 | The Magnetic Genome of Two-Dimensional van der Waals Materials. ACS Nano, 2022, 16, 6960-7079. | 7.3 | 149 |
| 28 | Structural and magnetic phase transitions in NaFeAsO . Physical Review B, 2009, 80, . | 1.1 | 141 |
| 29 | Neutron studies of the iron-based family of high T_C magnetic superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 469-476. | 0.6 | 140 |
| 30 | Lattice and magnetic structures of PrFeAsO and $\text{PrFeAsO}_{0.85}$. Physical Review B, 2008, 78, . | 1.1 | 133 |
| 31 | Charge and Spin Structure in $\text{YBa}_2\text{Cu}_3\text{O}_{6.35}$. Physical Review Letters, 2002, 88, 097004. | 2.9 | 129 |
| 32 | Magnetic order of the iron spins in NdFeAsO . Physical Review B, 2008, 78, . | 1.1 | 122 |
| 33 | Superconducting state coexisting with a phase-separated static magnetic order in BaFe_2As_2 . Physical Review B, 2009, 80, . | 1.1 | 122 |
| 34 | Magnon damping by magnon-phonon coupling in manganese perovskites. Physical Review B, 2000, 61, 9553-9557. | 1.1 | 120 |
| 35 | Nature of magnetic excitations in superconducting $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$. Nature Physics, 2012, 8, 376-381. | 6.5 | 120 |
| 36 | Softening and Broadening of the Zone Boundary Magnons in $\text{Pr}_{0.63}\text{Sr}_{0.37}\text{MnO}_3$. Physical Review Letters, 1998, 80, 1316-1319. | 2.9 | 118 |

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| 37 | Magnetic Dynamics in Underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$: Direct Observation of a Superconducting Gap. <i>Physical Review Letters</i> , 1996, 77, 5425-5428. | 2.9 | 114 |
| 38 | Resonance in the electron-doped high-transition-temperature superconductor $\text{Pr}_{0.88}\text{La}_{0.12}\text{CeO}_{4-f}$. <i>Nature</i> , 2006, 442, 59-62. | 13.7 | 112 |
| 39 | Antiferromagnetic order as the competing ground state in electron-doped $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>Nature</i> , 2003, 423, 522-525. | 13.7 | 108 |
| 40 | Electronic nature of chiral charge order in the kagome superconductor CsV_3Sb_5 . <i>Physical Review B</i> , 2021, 104, . | 1.1 | 108 |
| 41 | Doping evolution of antiferromagnetic order and structural distortion in LaFeAsO . <i>Physical Review B</i> , 2008, 78, . | 1.1 | 103 |
| 42 | Observation of a ubiquitous three-dimensional superconducting gap function in optimally doped $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$. <i>Nature Physics</i> , 2011, 7, 198-202. | 6.5 | 101 |
| 43 | Persistent high-energy spin excitations in iron-pnictide superconductors. <i>Nature Communications</i> , 2013, 4, 1470. | 5.8 | 101 |
| 44 | Microscopic annealing process and its impact on superconductivity in $\text{T}^{\text{Å}^2}$ -structure electron-doped copper oxides. <i>Nature Materials</i> , 2007, 6, 224-229. | 13.3 | 97 |
| 45 | Spin waves in $\text{FeTe}_{1-x}\text{Se}_x$. <i>Physical Review B</i> , 2011, 84, 040401. | 2.9 | 96 |
| 46 | Doping dependence of spin excitations and its correlations with high-temperature superconductivity in iron pnictides. <i>Nature Communications</i> , 2013, 4, 2874. | 5.8 | 94 |
| 47 | Experimental signatures of a three-dimensional quantum spin liquid in effective spin-1/2 $\text{Ce}_2\text{Zr}_2\text{O}_7$ pyrochlore. <i>Nature Physics</i> , 2019, 15, 1052-1057. | 6.5 | 92 |
| 48 | Muon-spin-relaxation studies of magnetic order and superfluid density in antiferromagnetic NdFeAsO , BaFe_2As_2 , and superconducting $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2008, 78, . | 1.1 | 89 |
| 49 | Coexistence and Competition of the Short-Range Incommensurate Antiferromagnetic Order with the Superconducting State of BaFe_2As_2 . <i>Physical Review Letters</i> , 2012, 108, 247002. | 2.9 | 88 |
| 50 | Spin waves and magnetic exchange interactions in insulating $\text{Rb}_{0.89}\text{Fe}_{1.58}\text{Se}_2$. <i>Nature Communications</i> , 2011, 2, 580. | 5.8 | 85 |
| 51 | Anisotropic structure of the order parameter in $\text{FeSe}_{0.45}\text{Te}_{0.55}$ revealed by angle-resolved specific heat. <i>Nature Communications</i> , 2010, 1, 112. | 5.8 | 83 |
| 52 | Dramatic Switching of Magnetic Exchange in a Classic Transition Metal Oxide: Evidence for Orbital Ordering. <i>Physical Review Letters</i> , 1997, 78, 507-510. | 2.9 | 76 |
| 53 | Critical quadrupole fluctuations and collective modes in iron pnictide superconductors. <i>Physical Review B</i> , 2016, 93, . | 1.1 | 74 |
| 54 | A distinct bosonic mode in an electron-doped high-transition-temperature superconductor. <i>Nature</i> , 2007, 450, 1058-1061. | 13.7 | 73 |

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| 55 | Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor BaFe_2As_2 . Physical Review B, 2010, 81, . | 1.1 | 73 |
| 56 | Neutron Scattering Studies of spin excitations in hole-doped $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$ superconductor. Scientific Reports, 2011, 1, 115. | 1.6 | 72 |
| 57 | Synthesis and neutron powder diffraction study of the superconductor $\text{HgBa}_2\text{Ca}_2\text{Cu}_3\text{O}_8 + \hat{\Gamma}$ by Tl substitution. Physica C: Superconductivity and Its Applications, 1995, 243, 201-206. | 0.6 | 71 |
| 58 | Magnetic Quantum Oscillations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.61}$ and $\text{YBa}_2\text{Cu}_3\text{O}_7$. Physical Review B, 2013, 87, 040407. | 2.9 | 68 |
| 59 | Avoided Quantum Criticality and Magnetoelastic Coupling in BaFe_2As_2 . Physical Review Letters, 2013, 110, 257001. | 2.9 | 68 |
| 60 | Magnetic anisotropy in ferromagnetic CrI_3 . Physical Review B, 2020, 101, . | 1.1 | 67 |
| 61 | High-resolution spin-polarized neutron diffraction and double-fan spin structure with a c-axis component in the metallic Kagome antiferromagnetic compound YMn_6S_8 . Physical Review B, 2021, 103, . | 1.1 | 67 |
| 62 | Nematic Energy Scale and the Missing Electron Pocket in FeSe. Physical Review X, 2019, 9, . | 2.8 | 66 |
| 63 | Spin gap and magnetic resonance in superconducting BaFe_2As_2 . Physical Review B, 2009, 79, . | 1.1 | 63 |
| 64 | Lattice Distortion and Magnetic Quantum Phase Transition in CeFeAs_2 . Physical Review Letters, 2010, 104, 017204. | 2.9 | 63 |
| 65 | Quasielastic neutron scattering and molecular dynamics simulation studies of the melting transition in butane and hexane monolayers adsorbed on graphite. Journal of Chemical Physics, 1997, 107, 5186-5196. | 1.2 | 62 |
| 66 | Direct observation of magnon-phonon coupling in yttrium iron garnet. Physical Review B, 2017, 96, . | 1.1 | 61 |
| 67 | Static Magnetic Order and Superfluid Density of RFeAs_2 . Physical Review B, 2017, 96, . | 1.1 | 61 |

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| 73 | Spin Excitation Anisotropy as a Probe of Orbital Ordering in the Paramagnetic Tetragonal Phase of Superconducting $\text{BaFe}_{1.904}\text{Ni}$ Physical Review Letters, 2013, 111, 107006. | 2.9 | 56 |
| 74 | Anisotropic neutron spin resonance in superconducting $\text{BaFe}_{1.9}$ Physical Review B, 2010, 82, . | 1.1 | 55 |
| 75 | Effect of Pnictogen Height on Spin Waves in Iron Pnictides. Physical Review Letters, 2014, 112, . Antiferromagnetic order and superlattice structure in nonsuperconducting and superconducting Rb | 2.9 | 55 |
| 76 | FeSe Physical Review B, 2011, | 1.1 | 54 |
| 77 | Magnetic correlations and quantum criticality in the insulating antiferromagnetic, insulating spin liquid, renormalized Fermi liquid, and metallic antiferromagnetic phases of the Mott system V_2O_3 . Physical Review B, 1998, 58, 12727-12748. | 1.1 | 53 |
| 78 | Magnetic energy change available to superconducting condensation in optimally doped $\text{YBa}_2\text{Cu}_3\text{O}_{6.95}$. Nature Physics, 2006, 2, 600-604. | 6.5 | 53 |
| 79 | Evidence of a Spin Resonance Mode in the Iron-Based Superconductor $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ Scanning Tunneling Spectroscopy. Physical Review Letters, 2012, 108, 227002. | 2.9 | 53 |
| 80 | Close relationship between superconductivity and the bosonic mode in $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ and $\text{Na}(\text{Fe}_{0.975}\text{Co}_{0.025})\text{As}$. Nature Physics, 2013, 9, 42-48. | 6.5 | 53 |
| 81 | Incommensurate One-Dimensional Fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.93}$. Physical Review Letters, 1996, 77, 370-373. | 2.9 | 52 |
| 82 | High-Energy Spin Excitations in the Electron-Doped Superconductor $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$ with $T_c = 21\text{K}$. Physical Review Letters, 2006, 96, 157001. | 2.9 | 51 |
| 83 | Structural and Magnetic Phase Transitions near Optimal Superconductivity in $\text{BaFe}_{1.9}$ | | |

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| 91 | Evolution of Spin-Wave Excitations in Ferromagnetic Metallic Manganites. Physical Review Letters, 2006, 96, 047204. Electron doping evolution of the anisotropic spin excitations in BaFe \times Ni \times As \times Physical Review B, 2014, 90, . | 2.9 | 45 |
| 92 | Electron doping evolution of the magnetic excitations in BaFe \times Ni \times As \times Physical Review B, 2014, 90, . | 1.1 | 45 |
| 93 | Distinct pairing symmetries by neutron spin resonance in superconducting NaFe \times Co \times MnO \times Physical Review B, 2005, 72, . | 1.1 | 44 |
| 94 | Short-range cluster spin glass near optimal superconductivity in Ba \times Fe \times As \times Physical Review B, 2014, 90, . | 1.1 | 45 |
| 95 | Distinct pairing symmetries in Nd \times 1.85Ce \times 0.15CuO \times 4 \times and La \times 1.89Sr \times 0.11CuO \times 4 single crystals: Evidence from comparative tunneling measurements. Physical Review B, 2005, 72, . | 1.1 | 44 |
| 96 | Neutron-Spin Resonance in the Optimally Electron-Doped Superconductor Nd \times 1.85Ce \times 0.15CuO \times 4 Physical Review Letters, 2007, 99, 017001. | 2.9 | 44 |
| 97 | Magnetic coupling in the insulating and metallic ferromagnetic La \times 1 \times CaxMnO \times 3. Physical Review B, 2001, 64, . | 1.1 | 43 |
| 98 | Effect of a magnetic field on the long-range magnetic order in insulating Nd \times 2CuO \times 4 and nonsuperconducting and superconducting Nd \times 1.85Ce \times 0.15CuO \times 4. Physical Review B, 2003, 68, . | 1.1 | 42 |
| 99 | Anisotropic but Nodeless Superconducting Gap in the Presence of Spin-Density Wave in Iron-Pnictide Superconductor NaFe \times Co \times MnO \times 3 Physical Review B, 2005, 72, . | 2.8 | 42 |
| 100 | Electron doping evolution of the magnetic excitations in BaFe \times Ni \times As \times Physical Review B, 2014, 90, . | 1.1 | 42 |
| 101 | Spinon Fermi Surface Spin Liquid in a Triangular Lattice Antiferromagnet NaYbSe \times Physical Review X, 2021, 11, . | 2.8 | 42 |
| 102 | Momentum Dependence of the Nematic Order Parameter in Iron-Based Superconductors. Physical Review Letters, 2019, 123, 066402. | 2.9 | 41 |
| 103 | Measurement of a Double Neutron-Spin Resonance and an Anisotropic Energy Gap for Underdoped Superconducting NaFe \times Co \times MnO \times 3 Inelastic Neutron Scattering. Physical Review Letters, 2013, 111, 207002. | 2.9 | 40 |
| 104 | Magnons in ferromagnetic metallic manganites. Journal of Physics Condensed Matter, 2007, 19, 315204. | 0.7 | 38 |
| 105 | Magnetic Field Effect on Topological Spin Excitations in Cr \times 3 Physical Review X, 2021, 11, . | 2.8 | 37 |
| 106 | Evolution of low-energy spin dynamics in the electron-doped high-transition-temperature superconductor Pr \times 0.88LaCe \times 0.12CuO \times 4 Physical Review B, 2006, 74, . | 1.1 | 36 |
| 107 | Transition from Three-Dimensional Anisotropic Spin Excitations to Two-Dimensional Spin Excitations by Electron Doping the FeAs-Based BaFe \times Ni \times As \times Physical Review Letters, 2009, 103, 087005. | 2.9 | 36 |
| 108 | A Mott insulator continuously connected to iron pnictide superconductors. Nature Communications, 2016, 7, 13879. | 5.8 | 36 |

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| 109 | Re-entrant spin glass behavior in Mn-rich YMnO ₃ . Applied Physics Letters, 2005, 87, 042508. | 1.5 | 35 |
| 110 | Normal-State Hourglass Dispersion of the Spin Excitations in Fe _{1-x} SexTe. Physical Review Letters, 2010, 105, 157002. | 2.9 | 34 |
| 111 | Neutron spin resonance as a probe of the superconducting energy gap of BaFe _{1.9} As ₂ . Physical Review B, 2010, 81, . | 1.1 | 34 |
| 112 | Longitudinal Spin Excitations and Magnetic Anisotropy in Antiferromagnetically Ordered BaFe ₂ As ₂ . Physical Review X, 2013, 3, . | 2.8 | 34 |
| 113 | In-plane spin excitation anisotropy in the paramagnetic state of NaFeAs. Physical Review B, 2013, 88, . | 1.1 | 34 |
| 114 | Structure and composition of the superconducting phase in alkali iron selenide K _{1-y} Fe _{1.5y} Se ₂ . Physical Review B, 2014, 89, . | 1.1 | 34 |
| 115 | Resonance from antiferromagnetic spin fluctuations for superconductivity in UTe ₂ . Nature, 2021, 600, 636-640. | 13.7 | 34 |
| 116 | Electronic inhomogeneity and competing phases in electron-doped superconducting Pr _{0.88} LaCe _{0.12} CuO ₄ ± <i>f</i> . Physical Review B, 2005, 71, . | 1.1 | 33 |
| 117 | Uniaxial pressure driven structural and magnetic phase transitions in NaFeAs and its comparison with as-grown and annealed BaFe ₂ As ₂ . Physical Review B, 2013, 87, . | 1.1 | 33 |
| 118 | Nematic Quantum Critical Fluctuations in BaFe ₂ As ₂ . Physical Review Letters, 2016, 117, 157002. | 2.9 | 33 |
| 119 | Evolution of normal and superconducting properties of single crystals of Na _{1-x} FeAs upon interaction with environment. Physical Review B, 2012, 85, . | 1.1 | 32 |
| 120 | Impact of uniaxial pressure on structural and magnetic phase transitions in electron-doped iron pnictides. Physical Review B, 2016, 93, . | 1.1 | 32 |
| 121 | Spin waves throughout the Brillouin zone and magnetic exchange coupling in the ferromagnetic metallic manganites La _{1-x} CaxMnO ₃ (x=0.25,0.30). Physical Review B, 2007, 75, . | 1.1 | 31 |
| 122 | Weak-coupling Bardeen-Cooper-Schrieffer superconductivity in the electron-doped cuprate superconductors. Physical Review B, 2008, 77, . | 1.1 | 31 |
| 123 | Orbital Selective Spin Excitations and their Impact on Superconductivity of LiFeAs. Physical Review Letters, 2016, 116, 247001. | 2.9 | 31 |
| 124 | Neutron Scattering Studies of Y _{1-x} UxPd ₃ Compounds. Physical Review Letters, 1995, 75, 1202-1205. | 2.9 | 30 |
| 125 | Growth of n-alkane films on a single-crystal substrate. Chemical Physics Letters, 2001, 348, 168-174. | 1.2 | 30 |
| 126 | Magnetic field effect on static antiferromagnetic order and spin excitations in the underdoped iron arsenide superconductor BaFe _{1.92} Ni _{0.08} . Physical Review B, 2013, 87, . | 1.1 | 30 |

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| 127 | Antiferromagnetic spin excitations in single crystals of nonsuperconducting $\text{Li1}\hat{a}^{\sim}\text{xFeAs}$. Physical Review B, 2011, 83, . | 1.1 | 30 |
| 128 | Strong-coupling superconductivity in NaFe <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>\hat{a}^{\sim}</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math><math>\text{Co}</math></small> <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>\hat{a}^{\sim}</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>>As: Validity of Eliashberg theory. Physical Review B, 2013, 87,</small> | 1.1 | 30 |
| 129 | Electronic nematic correlations in the stress-free tetragonal state of <small>xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>></small> <small>Physical Review B, 2015, 92, .</small> | 1.1 | 30 |
| 130 | Robust upward dispersion of the neutron spin resonance in the heavy fermion superconductor $\text{Ce1}\hat{a}^{\sim}\text{xYbxCuN5}$. Nature Communications, 2016, 7, 12774. | 5.8 | 30 |
| 131 | Pressure-induced high-temperature superconductivity retained without pressure in FeSe single crystals. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 30 |
| 132 | Microscopic spin interactions in colossal magnetoresistance manganites. Physical Review B, 2002, 66, . | 1.1 | 29 |
| 133 | Competition between Antiferromagnetism and Superconductivity in the Electron-Doped Cuprates Triggered by Oxygen Reduction. Physical Review Letters, 2007, 99, 157002. | 2.9 | 29 |
| 134 | Polarized neutron measurement of magnetic order in YBa2Cu3O6.45 . Physical Review B, 2004, 69, . | 1.1 | 28 |
| 135 | <small>Environmental stability and anisotropic resistivity of Co-doped Na</small> <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>\hat{a}^{\sim}</mml:mo><mml:mi>I</mml:mi></mml:mrow></mml:msub></mml:math>>Fe</math></small> <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>\hat{a}^{\sim}</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>>Co</math></small> <small>xmlns:mml="http://www.w3.org/1998/Math/MathML". Physical Review B, 2012, 86,</small> | 1.1 | 28 |
| 136 | Field-dependent ordered phases and Kondo phenomena in the filled skutterudite compound PrOs4As12 . Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6783-6789. | 3.3 | 27 |
| 137 | Effect of Li-deficiency impurities on the electron-overdoped LiFeAs superconductor. Physical Review B, 2012, 86, | 1.1 | 27 |
| 138 | Polarized neutron scattering studies of magnetic excitations in electron-overdoped superconducting BaFe <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.85</mml:mn></mml:mrow></mml:msub></mml:math>>Ni</math></small> <small>xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.67</mml:mn></mml:mrow></mml:msub></mml:math>>K</math></small> <small>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</math></small> <small>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>></small> | 1.1 | 27 |
| 139 | Field-dependent ordered phases and Kondo phenomena in the filled skutterudite compound PrOs4As12 . Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6783-6789. | 1.1 | 27 |
| 140 | Nematic Crossover in BaFe2As2 under Uniaxial Stress. Physical Review Letters, 2015, 115, 197002. | 2.9 | 27 |
| 141 | Nodeless superconductivity in the presence of spin-density wave in pnictide superconductors: The case of $\text{BaFe2}\hat{a}^{\sim}\text{xNiAs2}$. Physical Review B, 2015, 91, . | 1.1 | 27 |
| 142 | Anisotropic neutron spin resonance in underdoped superconducting <small>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>\hat{a}^{\sim}</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">As</mml:mi></mml:math>.</small> | 1.1 | 27 |
| 143 | The static and dynamic lattice effects in $\text{La1}\hat{a}^{\sim}\text{xCaMnO3}$. Solid State Communications, 1996, 100, 865-869. | 0.9 | 25 |
| 144 | Electron-spin excitation coupling in an electron-doped copper oxide superconductor. Nature Physics, 2011, 7, 719-724. | 6.5 | 25 |

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| 145 | Quantum Critical Scaling and the Origin of Non-Fermi-Liquid Behavior in ScIr_2Pd_3 . Physical Review Letters, 2005, 94, 056402. | 2.9 | 24 |
| 146 | Temperature dependence of the paramagnetic spin excitations in BaFe_2As_2 . Physical Review Letters, 2012, 108, 067401. | 1.1 | 24 |
| 147 | Uniaxial pressure effect on the magnetic order in BaFe_2As_2 . Physical Review B, 2012, 86, 020401. | | |

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| 163 | Two spatially separated phases in semiconducting Rb _{0.8} Fe _{1.5} S ₂ . Physical Review B, 2014, 90, . | 1.1 | 19 |
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