

Shiliang Li

List of Publications by Year in Descending Order

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

134
papers

4,317
citations

34
h-index

62
g-index

147
ext. papers

4,766
ext. citations

5
avg, IF

4.82
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 134 | Ultrafast optical spectroscopy evidence of pseudogap and electron-phonon coupling in an iron-based superconductor $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022 , 65, 1 | 3.6 | 1 |
| 133 | Preferred Spin Excitations in the Bilayer Iron-Based Superconductor $\text{CaK}(\text{Fe}_{0.96}\text{Ni}_{0.04})_4\text{As}_4$ with Spin-Vortex Crystal Order.. <i>Physical Review Letters</i> , 2022 , 128, 137003 | 7.4 | 0 |
| 132 | Observation of a Ubiquitous (D _{4h}) ^q -Type Nematic Superconducting Order in the Whole Superconducting Dome of Ultra-Thin $\text{BaFe}_2\text{Ni}_x\text{As}_2$ Single Crystals. <i>Chinese Physics Letters</i> , 2021 , 38, 097401 | 1.8 | 0 |
| 131 | Nonlocal Effects of Low-Energy Excitations in Quantum-Spin-Liquid Candidate $\text{Cu}_3\text{Zn}(\text{OH})_6\text{FBr}$. <i>Chinese Physics Letters</i> , 2021 , 38, 097501 | 1.8 | 1 |
| 130 | Friedel Oscillations of Vortex Bound States under Extreme Quantum Limit in $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$. <i>Physical Review Letters</i> , 2021 , 126, 257002 | 7.4 | 7 |
| 129 | Common (D _{4h}) ^q Band Folding and Surface Reconstruction in FeAs-Based Superconductors. <i>Chinese Physics Letters</i> , 2021 , 38, 057404 | 1.8 | 3 |
| 128 | Evidence for the random singlet phase in the honeycomb iridate SrIr_2O_6 . <i>Physical Review B</i> , 2021 , 103, | 3.3 | 1 |
| 127 | Single-particle tunneling spectroscopy and superconducting gaps in the layered iron-based superconductor $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$. <i>Physical Review B</i> , 2021 , 103, | 3.3 | 5 |
| 126 | Spin excitations and spin wave gap in the ferromagnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1 | 3.6 | 10 |
| 125 | Extreme Suppression of Antiferromagnetic Order and Critical Scaling in a Two-Dimensional Random Quantum Magnet. <i>Physical Review Letters</i> , 2021 , 126, 037201 | 7.4 | 4 |
| 124 | Anisotropic magnetoelastic response in the magnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1 | 3.6 | 6 |
| 123 | Excess-iron driven spin glass phase in $\text{Fe}_{1+y}\text{Te}_{1-x}\text{Se}_x$. <i>Chinese Physics B</i> , 2021 , 30, 087402 | 1.2 | |
| 122 | Vortex dynamics and second magnetization peak in the iron-pnictide superconductor $\text{Ca}_{0.82}\text{La}_{0.18}\text{Fe}_{0.96}\text{Ni}_{0.04}\text{As}_2$. <i>Superconductor Science and Technology</i> , 2021 , 34, 115010 | 3.1 | 0 |
| 121 | Quantum Phases of $\text{SrCu}_2(\text{BO}_3)_2$ from High-Pressure Thermodynamics. <i>Physical Review Letters</i> , 2020 , 124, 206602 | 7.4 | 12 |
| 120 | Spectroscopic evidence of bilayer splitting and strong interlayer pairing in the superconductor $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$. <i>Physical Review B</i> , 2020 , 101, | 3.3 | 10 |
| 119 | Spin-excitation anisotropy in the bilayer iron-based superconductor $\text{CaKFe}_4\text{As}_4$. <i>Physical Review Research</i> , 2020 , 2, | 3.9 | 2 |
| 118 | A temperature-modulated dilatometer by using a piezobender-based device. <i>Review of Scientific Instruments</i> , 2020 , 91, 123901 | 1.7 | 1 |

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|-----|--|------|----|
| 117 | Magnetic Phase Diagram of $\text{Cu}_4\text{Zn}_x(\text{OH})_6\text{FBr}$ Studied by Neutron-Diffraction and μSR Techniques. <i>Chinese Physics Letters</i> , 2020 , 37, 107503 | 1.8 | 6 |
| 116 | Vortex dynamics and phase diagram in the electron-doped cuprate superconductor $\text{Pr}_{0.87}\text{LaCe}_{0.13}\text{CuO}_4$. <i>Physical Review B</i> , 2020 , 102, | 3.3 | 2 |
| 115 | Neutron Spin Resonance in a Quasi-Two-Dimensional Iron-Based Superconductor. <i>Physical Review Letters</i> , 2020 , 125, 117002 | 7.4 | 12 |
| 114 | Low-temperature crystal and magnetic structures of the magnetoelectric material $\text{Fe}_4\text{Nb}_2\text{O}_9$. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 9 |
| 113 | Unconventional Antiferromagnetic Quantum Critical Point in $\text{Ba}(\text{Fe}_{0.97}\text{Cr}_{0.03})_2(\text{As}_{1-x}\text{P}_x)_2$. <i>Physical Review Letters</i> , 2019 , 122, 037001 | 7.4 | 3 |
| 112 | Superconductivity in WP single crystals. <i>Physical Review B</i> , 2019 , 99, | 3.3 | 12 |
| 111 | Strong pinning in the hole-doped pnictide superconductor $\text{La}_{0.34}\text{Na}_{0.66}\text{Fe}_2\text{As}_2$. <i>Journal of Applied Physics</i> , 2019 , 125, 123902 | 2.5 | 4 |
| 110 | Antiferromagnetism in the kagome-lattice compound $\text{Cu}_3\text{Mg}(\text{OH})_6\text{Br}_2$. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 4 |
| 109 | Nonlinear uniaxial pressure dependence of T_c in iron-based superconductors. <i>Physical Review Research</i> , 2019 , 1, | 3.9 | 2 |
| 108 | Neutron Powder Diffraction Study on the Non-Superconducting Phases of $\text{ThFeAsN}_{1-x}\text{O}_x$ ($x = 0.15, 0.6$) Iron Pnictide*. <i>Chinese Physics Letters</i> , 2019 , 36, 107403 | 1.8 | 0 |
| 107 | ^{19}F NMR Study of the Bilayer Iron-Based Superconductor $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ *. <i>Chinese Physics Letters</i> , 2019 , 36, 127401 | 1.8 | 2 |
| 106 | Protonation induced high- T_c phases in iron-based superconductors evidenced by NMR and magnetization measurements. <i>Science Bulletin</i> , 2018 , 63, 11-16 | 10.6 | 34 |
| 105 | Neutron Spin Resonance in the 112-Type Iron-Based Superconductor. <i>Physical Review Letters</i> , 2018 , 120, 137001 | 7.4 | 14 |
| 104 | Odd and Even Modes of Neutron Spin Resonance in the Bilayer Iron-Based Superconductor $\text{CaKFe}_4\text{As}_4$. <i>Physical Review Letters</i> , 2018 , 120, 267003 | 7.4 | 18 |
| 103 | Doping effects of Cr on the physical properties of $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{Cr}_x\text{As}_2$. <i>Physical Review B</i> , 2018 , 98, | 3.3 | 3 |
| 102 | Nonlinear uniaxial pressure dependence of the resistivity in $\text{Sr}_{1-x}\text{Ba}_x\text{Fe}_{1.97}\text{Ni}_{0.03}\text{As}_2$. <i>Chinese Physics B</i> , 2018 , 27, 087402 | 1.2 | 1 |
| 101 | Nematic fluctuations in iron-based superconductors studied by resistivity change under uniaxial pressure. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2018 , 67, 127401 | 0.6 | |
| 100 | Spin dynamics of edge-sharing spin chains in $\text{SrCa}_{13}\text{Cu}_{24}\text{O}_{41}$. <i>Physical Review B</i> , 2018 , 98, | 3.3 | 5 |

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|----|--|-----|----|
| 99 | From Claringbullite to a New Spin Liquid Candidate $\text{Cu}_3\text{Zn}(\text{OH})_6\text{FCl}$. <i>Chinese Physics Letters</i> , 2018 , 36, 017502 | 1.8 | 16 |
| 98 | Photoinduced metastable state with modulated Josephson coupling strengths in $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$. <i>Physical Review B</i> , 2018 , 98, | 3.3 | 3 |
| 97 | Single-crystal growth of the iron-based superconductor $\text{La}_{0.34}\text{Na}_{0.66}\text{Fe}_2\text{As}_2$. <i>Superconductor Science and Technology</i> , 2018 , 31, 125008 | 3.1 | 2 |
| 96 | Effect of Zn doping on the antiferromagnetism in kagome $\text{Cu}_4\text{Zn}_x(\text{OH})_6\text{FBr}$. <i>Physical Review B</i> , 2018 , 98, | 3.3 | 20 |
| 95 | Neutron powder diffraction study on the iron-based nitride superconductor ThFeAsN . <i>Europhysics Letters</i> , 2017 , 117, 57005 | 1.6 | 12 |
| 94 | Phase diagram and neutron spin resonance of superconducting $\text{NaFe}_{1-x}\text{Cu}_x\text{As}$. <i>Physical Review B</i> , 2017 , 95, | 3.3 | 6 |
| 93 | Vortex glass state in the isovalent optimally doped pnictide superconductor $\text{BaFe}_2(\text{As}_{0.68}\text{P}_{0.32})_2$. <i>Superconductor Science and Technology</i> , 2017 , 30, 055003 | 3.1 | 5 |
| 92 | Nature of the antiferromagnetic and nematic transitions in $\text{Sr}_{1-x}\text{Ba}_x\text{Fe}_{1.97}\text{Ni}_{0.03}\text{As}_2$. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 3 |
| 91 | Unified Phase Diagram for Iron-Based Superconductors. <i>Physical Review Letters</i> , 2017 , 119, 157001 | 7.4 | 29 |
| 90 | Quasi-two-dimensional behavior of 112-type iron-based superconductors. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 8 |
| 89 | Temperature and polarization dependence of low-energy magnetic fluctuations in nearly optimally doped $\text{NaFe}_{0.9785}\text{Co}_{0.0215}\text{As}$. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 3 |
| 88 | Gapped Spin-1/2 Spinon Excitations in a New Kagome Quantum Spin Liquid Compound $\text{Cu}_3\text{Zn}(\text{OH})_6\text{FBr}$. <i>Chinese Physics Letters</i> , 2017 , 34, 077502 | 1.8 | 69 |
| 87 | Crystal growth and phase diagram of 112-type iron pnictide superconductor $\text{Ca}_{1-x}\text{La}_x\text{Fe}_{1-x}\text{Ni}_x\text{As}_2$. <i>Superconductor Science and Technology</i> , 2017 , 30, 095002 | 3.1 | 13 |
| 86 | Direct measurement of the temperature dependence of the in-plane magnetic penetration depth in optimally doped $\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2017 , 533, 59-62 | 1.3 | |
| 85 | Spin excitation anisotropy in the optimally isovalent-doped superconductor $\text{BaFe}_2(\text{As}_{0.7}\text{P}_{0.3})_2$. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 11 |
| 84 | Spin excitations in optimally P-doped $\text{BaFe}_2(\text{As}_{0.7}\text{P}_{0.3})_2$ superconductor. <i>Physical Review B</i> , 2016 , 94, | 3.3 | 14 |
| 83 | Effect of Nematic Order on the Low-Energy Spin Fluctuations in Detwinned $\text{BaFe}_{\{1.935\}}\text{Ni}_{\{0.065\}}\text{As}_{\{2\}}$. <i>Physical Review Letters</i> , 2016 , 117, 227003 | 7.4 | 19 |
| 82 | Electronic specific heat in $\text{BaFe}_2\text{Ni}_x\text{As}_2$. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 4 |

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| 81 | Impact of uniaxial pressure on structural and magnetic phase transitions in electron-doped iron pnictides. <i>Physical Review B</i> , 2016 , 93, | 3-3 | 24 |
| 80 | Electron doping evolution of structural and antiferromagnetic phase transitions in NaFe _{1-x} CoxAs iron pnictides. <i>Physical Review B</i> , 2016 , 94, | 3-3 | 12 |
| 79 | Effect of residual stress on nematic domains in BaFe _{2-x} Ni _x As ₂ studied by angular magnetoresistance. <i>Chinese Physics B</i> , 2016 , 25, 057402 | 1.2 | |
| 78 | Nematic Quantum Critical Fluctuations in BaFe _{{2-x}Ni_{x}As_{2}} . <i>Physical Review Letters</i> , 2016 , 117, 157002 | 7.4 | 24 |
| 77 | Long-range two-dimensional superstructure in the superconducting electron-doped cuprate Pr _{0.88} LaCe _{0.12} CuO ₄ . <i>Physical Review B</i> , 2015 , 92, | 3-3 | 3 |
| 76 | Structural and Magnetic Phase Transitions near Optimal Superconductivity in BaFe ₂ (As _{1-x} Px) ₂ . <i>Physical Review Letters</i> , 2015 , 114, 157002 | 7.4 | 42 |
| 75 | Doping evolution of antiferromagnetism and transport properties in nonsuperconducting BaFe _{2-x} NixCr _x As ₂ . <i>Physical Review B</i> , 2015 , 91, | 3-3 | 11 |
| 74 | Electron doping dependence of the anisotropic superconductivity in BaFe _{2-x} NixAs ₂ . <i>Physical Review B</i> , 2015 , 92, | 3-3 | 20 |
| 73 | Superconducting fluctuations in isovalently substituted BaFe ₂ (As _{1-x} Px) ₂ : Possible observation of multiband effects. <i>Physical Review B</i> , 2015 , 92, | 3-3 | 13 |
| 72 | The effect of Cr impurity to superconductivity in electron-doped BaFe _{2-x} NixAs ₂ . <i>Superconductor Science and Technology</i> , 2014 , 27, 115003 | 3.1 | 11 |
| 71 | Phase separation, competition, and volume-fraction control in NaFe _{1-x} CoxAs. <i>Physical Review B</i> , 2014 , 90, | 3-3 | 11 |
| 70 | Spin excitation anisotropy as a probe of orbital ordering in the paramagnetic tetragonal phase of superconducting BaFe _{1.904} Ni _{0.096} As ₂ . <i>Physical Review Letters</i> , 2013 , 111, 107006 | 7.4 | 48 |
| 69 | Growth of Single Crystal and Effects of Electron Doping in Filled Skutterudite Compound PrFe ₄ P ₁₂ . <i>Advanced Materials Research</i> , 2013 , 807-809, 2793-2796 | 0.5 | 0 |
| 68 | Distinguishing s _d and s ₊₊ electron pairing symmetries by neutron spin resonance in superconducting NaFe _{0.935} Co _{0.045} As. <i>Physical Review B</i> , 2013 , 88, | 3-3 | 42 |
| 67 | Strong-coupling superconductivity in NaFe _{1-x} CoxAs: Validity of Eliashberg theory. <i>Physical Review B</i> , 2013 , 87, | 3-3 | 27 |
| 66 | Coexistence and competition of the short-range incommensurate antiferromagnetic order with the superconducting state of BaFe _{2-x} Ni(x)As ₂ . <i>Physical Review Letters</i> , 2012 , 108, 247002 | 7.4 | 76 |
| 65 | Electron doping evolution of the anisotropic spin excitations in BaFe _{2-x} NixAs ₂ . <i>Physical Review B</i> , 2012 , 86, | 3-3 | 40 |
| 64 | Evidence of a spin resonance mode in the iron-based superconductor Ba _(0.6) K _(0.4) Fe ₂ As ₂ from scanning tunneling spectroscopy. <i>Physical Review Letters</i> , 2012 , 108, 227002 | 7.4 | 45 |

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| 63 | Neutron scattering studies of spin excitations in superconducting $\text{Rb}_{0.82}\text{Fe}_{1.68}\text{Se}_2$. <i>Physical Review B</i> , 2012 , 86, | 3.3 | 16 |
| 62 | Antiferromagnetic Spin Fluctuations in the Fe-Based Superconductors 2012 , 243-274 | | |
| 61 | Systematic growth of $\text{BaFe}_2\text{-Ni}_x\text{As}_2$ large crystals. <i>Superconductor Science and Technology</i> , 2011 , 24, 065004 | 3.1 | 48 |
| 60 | Materials and Novel Superconductivity in Iron Pnictide Superconductors. <i>Annual Review of Condensed Matter Physics</i> , 2011 , 2, 121-140 | 19.7 | 141 |
| 59 | Electron-spin excitation coupling in an electron-doped copper oxide superconductor. <i>Nature Physics</i> , 2011 , 7, 719-724 | 16.2 | 21 |
| 58 | Effect of the in-plane magnetic field on the neutron spin resonance in optimally doped $\text{FeSe}_{0.4}\text{Te}_{0.6}$ and $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$ superconductors. <i>Physical Review B</i> , 2011 , 84, | 3.3 | 14 |
| 57 | Antiferromagnetic order and superlattice structure in nonsuperconducting and superconducting $\text{Rb}_y\text{Fe}_{1.6+x}\text{Se}_2$. <i>Physical Review B</i> , 2011 , 84, | 3.3 | 53 |
| 56 | Superconductivity and spin fluctuations. <i>Frontiers of Physics</i> , 2011 , 6, 429-439 | 3.7 | 4 |
| 55 | Normal-state hourglass dispersion of the spin excitations in $\text{FeSe}_x\text{Te}_{1-x}$. <i>Physical Review Letters</i> , 2010 , 105, 157002 | 7.4 | 29 |
| 54 | Magnetic quantum oscillations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.61}$ and $\text{YBa}_2\text{Cu}_3\text{O}_{6.69}$ in fields of up to 85 T: patching the hole in the roof of the superconducting dome. <i>Physical Review Letters</i> , 2010 , 104, 086403 | 7.4 | 59 |
| 53 | Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor $\text{BaFe}_2\text{-Ni}_x\text{As}_2$. <i>Physical Review B</i> , 2010 , 81, | 3.3 | 69 |
| 52 | Lattice distortion and magnetic quantum phase transition in $\text{CeFeAs}_{1-x}\text{P}_x\text{O}$. <i>Physical Review Letters</i> , 2010 , 104, 017204 | 7.4 | 57 |
| 51 | Magnetic form factor of SrFe_2As_2 : Neutron diffraction measurements. <i>Physical Review B</i> , 2010 , 81, | 3.3 | 10 |
| 50 | Low-energy Ce spin excitations in CeFeAsO and $\text{CeFeAsO}_{0.84}\text{F}_{0.16}$. <i>Frontiers of Physics in China</i> , 2010 , 5, 161-165 | | 4 |
| 49 | Spin gap and magnetic resonance in superconducting $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 59 |
| 48 | Annealing effect on the electron-doped superconductor $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$. <i>Physical Review B</i> , 2009 , 80, | 3.3 | 11 |
| 47 | Transition from three-dimensional anisotropic spin excitations to two-dimensional spin excitations by electron doping the FeAs-based $\text{BaFe}_{1.96}\text{Ni}_{0.04}\text{As}_2$ superconductor. <i>Physical Review Letters</i> , 2009 , 103, 087005 | 7.4 | 34 |
| 46 | Spin waves and magnetic exchange interactions in CaFe_2As_2 . <i>Nature Physics</i> , 2009 , 5, 555-560 | 16.2 | 331 |

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|----|--|------|-----|
| 45 | First-order magnetic and structural phase transitions in $\text{Fe}_{1+y}\text{Se}_x\text{Te}_{1-x}$. <i>Physical Review B</i> , 2009 , 79, | 3-3 | 455 |
| 44 | Structural and magnetic phase transitions in $\text{Na}_{1-x}\text{FeAs}$. <i>Physical Review B</i> , 2009 , 80, | 3-3 | 132 |
| 43 | Structural and magnetic phase diagram of $\text{CeFeAsO}(1-x)\text{F}(x)$ and its relation to high-temperature superconductivity. <i>Nature Materials</i> , 2008 , 7, 953-9 | 27 | 657 |
| 42 | Low energy spin waves and magnetic interactions in SrFe_2As_2 . <i>Physical Review Letters</i> , 2008 , 101, 167203. | 3-4 | 152 |
| 41 | Quantum spin excitations through the metal-to-insulator crossover in $\text{YBa}_2\text{Cu}_3\text{O}_{6+y}$. <i>Physical Review B</i> , 2008 , 77, | 3-3 | 20 |
| 40 | Crystalline electric field as a probe for long-range antiferromagnetic order and superconducting state of $\text{CeFeAsO}(1-x)\text{F}(x)$. <i>Physical Review Letters</i> , 2008 , 101, 217002 | 7-4 | 54 |
| 39 | Impact of oxygen annealing on the heat capacity and magnetic resonance of superconducting $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$. <i>Physical Review B</i> , 2008 , 78, | 3-3 | 15 |
| 38 | Weak-coupling Bardeen-Cooper-Schrieffer superconductivity in the electron-doped cuprate superconductors. <i>Physical Review B</i> , 2008 , 77, | 3-3 | 29 |
| 37 | Distinction between the normal-state gap and superconducting gap of electron-doped cuprates. <i>Physical Review B</i> , 2008 , 78, | 3-3 | 8 |
| 36 | Emergence of the nodal portion of the Fermi surface due to the reduction process in the electron-doped cuprates. <i>Physica B: Condensed Matter</i> , 2008 , 403, 1170-1172 | 2-8 | 1 |
| 35 | Nature of the quantum spin correlations through the superconducting-normal phase transition in electron-doped superconducting $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 3096-3099 | 3-9 | 1 |
| 34 | Evolution of spin excitations in electron-doped $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 52-55 | 1-3 | |
| 33 | Microscopic annealing process and its impact on superconductivity in TCu structure electron-doped copper oxides. <i>Nature Materials</i> , 2007 , 6, 224-9 | 27 | 86 |
| 32 | A distinct bosonic mode in an electron-doped high-transition-temperature superconductor. <i>Nature</i> , 2007 , 450, 1058-61 | 50-4 | 64 |
| 31 | Peak effect due to Josephson vortices in superconducting $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$ single crystals. <i>Physical Review B</i> , 2007 , 75, | 3-3 | 5 |
| 30 | Competition between antiferromagnetism and superconductivity in the electron-doped cuprates triggered by oxygen reduction. <i>Physical Review Letters</i> , 2007 , 99, 157002 | 7-4 | 29 |
| 29 | Neutron-spin resonance in the optimally electron-doped superconductor $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-\delta}$. <i>Physical Review Letters</i> , 2007 , 99, 017001 | 7-4 | 39 |
| 28 | Magnetic fluctuations in n-type high- T_c superconductors reveal breakdown of fermiology: Experiments and Fermi-liquid/RPA calculations. <i>Physical Review B</i> , 2007 , 76, | 3-3 | 19 |

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|----|--|------|-----|
| 27 | Quantum spin correlations through the superconducting-to-normal phase transition in electron-doped superconducting Pr _{0.88} LaCe _{0.12} CuO _{4-δ} . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15259-63 | 11.5 | 15 |
| 26 | Evolution of low-energy spin dynamics in the electron-doped high-transition-temperature superconductor Pr _{0.88} LaCe _{0.12} CuO ₄ . <i>Physical Review B</i> , 2006 , 74, | 3.3 | 36 |
| 25 | High-energy spin excitations in the electron-doped superconductor Pr(0.88)LaCe(0.12)CuO(4-δ) with T(c) = 21 K. <i>Physical Review Letters</i> , 2006 , 96, 157001 | 7.4 | 50 |
| 24 | Resonance in the electron-doped high-transition-temperature superconductor Pr _{0.88} LaCe _{0.12} CuO _{4-δ} . <i>Nature</i> , 2006 , 442, 59-62 | 50.4 | 100 |
| 23 | Dependence of the specific heat of Na _x CoO ₂ ·yH ₂ O on sodium and water concentrations. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 31 |
| 22 | Spin-charge coupling in lightly doped Nd _{2-x} Ce _x CuO ₄ . <i>Physical Review B</i> , 2005 , 71, | 3.3 | 18 |
| 21 | Distinct pairing symmetries in Nd _{1.85} Ce _{0.15} CuO ₄ and La _{1.89} Sr _{0.11} CuO ₄ single crystals: Evidence from comparative tunneling measurements. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 40 |
| 20 | Hole doping dependence of the coherence length in La _{2-x} Sr _x CuO ₄ thin films. <i>Europhysics Letters</i> , 2003 , 64, 790-796 | 1.6 | 45 |
| 19 | Effects of Al doping on the superconducting and structural properties of MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 386, 611-615 | 1.3 | 36 |
| 18 | Dimensional crossover of vortex dynamics induced by Gd substitution on Bi ₂ 212 single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 391, 169-177 | 1.3 | 9 |
| 17 | Absence of a true vortex-glass phase above the Bragg glass line in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 390, 107-112 | 1.3 | 14 |
| 16 | Low-temperature transport properties of Nd _{2-x} Ce _x CuO ₄ . Metal-insulator crossover in the overdoped regime. <i>Physical Review B</i> , 2002 , 65, | 3.3 | 12 |
| 15 | Novel magnetic flux penetration in overdoped La _{2-x} Sr _x CuO ₄ single crystals: macroscopic phase separation in a heavily overdoped regime. <i>Superconductor Science and Technology</i> , 2002 , 15, 334-338 | 3.1 | |
| 14 | Magnetic relaxation and critical current density of the new superconductor MgB ₂ . <i>Superconductor Science and Technology</i> , 2002 , 15, 315-319 | 3.1 | 11 |
| 13 | Intrinsic percolative superconductivity in heavily overdoped high-temperature superconductors. <i>Europhysics Letters</i> , 2002 , 57, 260-266 | 1.6 | 12 |
| 12 | Suppression of superconducting critical current density by small flux jumps in MgB ₂ thin films. <i>Physical Review B</i> , 2002 , 65, | 3.3 | 78 |
| 11 | Revisit the electronic phase diagram of high temperature superconductors: macroscopic phase separation in heavily overdoped regime. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 364-365, 558-561 | 1.3 | |
| 10 | Flux dynamics and vortex phase diagram of the new superconductor MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 363, 170-178 | 1.3 | 38 |

- 9 Possible Superconductivity at 37 K in Graphite-Sulphur Composite. *Chinese Physics Letters*, **2001**, 18, 1648-1650
- 8 Strong Quantum Fluctuation of Vortices in Bulk Samples of the New Superconductor MgB₂. *Chinese Physics Letters*, **2001**, 18, 816-819 1.8 25
- 7 Upper Critical Field and Irreversibility Line Determined by Transport Measurement of the New Superconductor MgB₂. *Chinese Physics Letters*, **2001**, 18, 823-825 1.8 6
- 6 Weak quantum flux creep and strong pinning in the new superconductor MgB₂. *Chinese Physics B*, **2001**, 10, 340-342 9
- 5 Vortex-slush state in YBa₂Cu₃O_{7-x} thin films. *Physical Review B*, **2001**, 64, 3.3 6
- 4 Linear temperature dependence of lower critical field in MgB₂. *Physical Review B*, **2001**, 64, 3.3 43
- 3 Magnetic relaxation and critical current density of MgB₂ thin films. *Physical Review B*, **2001**, 64, 3.3 36
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