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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.

103 papers	2,909 citations	27 h-index	51 g-index
108 ext. papers	3,286 ext. citations	4.3 avg, IF	4.61 L-index

#	Paper	IF	Citations
103	Roles of multiband effects and electron-hole asymmetry in the superconductivity and normal-state properties of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. <i>Physical Review B</i> , 2009 , 80,	3.3	170
102	Critical fields and anisotropy of $\text{NdFeAsO}_{0.82}\text{F}_{0.18}$ single crystals. <i>Applied Physics Letters</i> , 2008 , 93, 032503	3.4	157
101	Superconductivity. Nematic spin correlations in the tetragonal state of uniaxial-strained $\text{BaFe}_{2-x}\text{Ni}_x\text{As}$. <i>Science</i> , 2014 , 345, 657-60	33.3	144
100	Low temperature specific heat of the hole-doped $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ single crystals. <i>Physical Review B</i> , 2009 , 79,	3.3	142
99	Fishtail effect and the vortex phase diagram of single crystal $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$. <i>Applied Physics Letters</i> , 2008 , 93, 142506	3.4	141
98	Superconductivity at 36 K in gadolinium-arsenide oxides $\text{GdO}_{1-x}\text{F}_x\text{FeAs}$ 2008 , 51, 719-722		138
97	Nature of magnetic excitations in superconducting $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$. <i>Nature Physics</i> , 2012 , 8, 376-381	16.2	109
96	Superconductivity and phase diagrams of the 4d- and 5d-metal-doped iron arsenides $\text{SrFe}_2\text{MxAs}_2$ ($\text{M}=\text{Rh}, \text{Ir}, \text{Pd}$). <i>Physical Review B</i> , 2009 , 80,	3.3	102
95	Quasiparticle heat transport in single-crystalline $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$: Evidence for a k-dependent superconducting gap without nodes. <i>Physical Review B</i> , 2009 , 80,	3.3	100
94	Growth and characterization of $\text{A}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ ($\text{A} = \text{Ba}, \text{Sr}$) single crystals with $x = 0.4$. <i>Superconductor Science and Technology</i> , 2008 , 21, 125014	3.1	95
93	Doping dependence of spin excitations and its correlations with high-temperature superconductivity in iron pnictides. <i>Nature Communications</i> , 2013 , 4, 2874	17.4	82
92	Coexistence and competition of the short-range incommensurate antiferromagnetic order with the superconducting state of $\text{BaFe}_{2-x}\text{Ni}_x\text{As}_2$. <i>Physical Review Letters</i> , 2012 , 108, 247002	7.4	76
91	Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor $\text{BaFe}_2\text{NixAs}_2$. <i>Physical Review B</i> , 2010 , 81,	3.3	69
90	Neutron scattering studies of spin excitations in hole-doped $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$ superconductor. <i>Scientific Reports</i> , 2011 , 1, 115	4.9	65
89	Flux dynamics associated with the second magnetization peak in the iron pnictide $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2010 , 82,	3.3	58
88	Avoided quantum criticality and magnetoelastic coupling in $\text{BaFe}_{2-x}\text{Ni}_x\text{As}_2$. <i>Physical Review Letters</i> , 2013 , 110, 257001	7.4	57
87	Spin excitation anisotropy as a probe of orbital ordering in the paramagnetic tetragonal phase of superconducting $\text{BaFe}_{1.904}\text{Ni}_{0.09}\text{As}_2$. <i>Physical Review Letters</i> , 2013 , 111, 107006	7.4	48

86	Systematic growth of BaFe ₂ NiAs ₂ large crystals. <i>Superconductor Science and Technology</i> , 2011 , 24, 065004	3.1	48
85	Specific-heat measurement of a residual superconducting state in the normal state of underdoped Bi ₂ Sr _{2-x} La _x CuO _{6+δ} cuprate superconductors. <i>Physical Review Letters</i> , 2009 , 103, 067002	7.4	47
84	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
83	Short-range cluster spin glass near optimal superconductivity in BaFe ₂ NiAs ₂ . <i>Physical Review B</i> , 2014 , 90,	3.3	40
82	Electron doping evolution of the anisotropic spin excitations in BaFe ₂ NiAs ₂ . <i>Physical Review B</i> , 2012 , 86,	3.3	40
81	Electron doping evolution of the magnetic excitations in BaFe ₂ NiAs ₂ . <i>Physical Review B</i> , 2013 , 88,	3.3	35
80	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
79	Longitudinal Spin Excitations and Magnetic Anisotropy in Antiferromagnetically Ordered BaFe ₂ As ₂ . <i>Physical Review X</i> , 2013 , 3,	9.1	32
78	Unified Phase Diagram for Iron-Based Superconductors. <i>Physical Review Letters</i> , 2017 , 119, 157001	7.4	29
77	Magnetic field effect on static antiferromagnetic order and spin excitations in the underdoped iron arsenide superconductor BaFe _{1.92} Ni _{0.08} As ₂ . <i>Physical Review B</i> , 2011 , 83,	3.3	28
76	Electronic nematic correlations in the stress-free tetragonal state of BaFe ₂ NiAs ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	27
75	Superconducting fluctuations in the reversible magnetization of the iron-pnictide Ba _{1-x} K _x Fe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 80,	3.3	27
74	Polarized neutron scattering studies of magnetic excitations in electron-overdoped superconducting BaFe _{1.85} Ni _{0.15} As ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	25
73	Precision microwave electrodynamic measurements of K- and Co-doped BaFe ₂ As ₂ . <i>Physical Review B</i> , 2010 , 82,	3.3	25
72	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
71	Nematic Quantum Critical Fluctuations in BaFe _{2-x} Ni _x As ₂ . <i>Physical Review Letters</i> , 2016 , 117, 157002	7.4	24
70	Nodeless superconductivity in the presence of spin-density wave in pnictide superconductors: The case of BaFe ₂ NiAs ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	21
69	Temperature dependence of the paramagnetic spin excitations in BaFe ₂ As ₂ . <i>Physical Review B</i> , 2012 , 86,	3.3	21

68	Spin waves and magnetic exchange interactions in the spin-ladder compound RbFe ₂ Se ₃ . <i>Physical Review B</i> , 2016 , 94,	3.3	21
67	Superconducting Ti ₁₅ Zr ₁₅ Nb ₃₅ Ta ₃₅ High-Entropy Alloy With Intermediate Electron-Phonon Coupling. <i>Frontiers in Materials</i> , 2018 , 5,	4	21
66	Electron doping dependence of the anisotropic superconductivity in BaFe ₂ NiAs ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	20
65	Nematic Crossover in BaFe ₂ (As ₂) under Uniaxial Stress. <i>Physical Review Letters</i> , 2015 , 115, 197002	7.4	20
64	Fishtail and vortex dynamics in the Ni-doped iron pnictide BaFe _{1.82} Ni _{0.18} As ₂ . <i>Physical Review B</i> , 2011 , 84,	3.3	20
63	Growth of NdFeAs(O _{1-x} F _x) single crystals at ambient pressure and their transport properties. <i>Journal of Crystal Growth</i> , 2009 , 311, 358-361	1.6	20
62	Multigap superconductivity in ThAsFeN investigated using μ SR measurements. <i>Physical Review B</i> , 2017 , 96,	3.3	19
61	Effect of Nematic Order on the Low-Energy Spin Fluctuations in Detwinned BaFe _{{1.935}Ni_{0.065}As_{2}} . <i>Physical Review Letters</i> , 2016 , 117, 227003	7.4	19
60	Odd and Even Modes of Neutron Spin Resonance in the Bilayer Iron-Based Superconductor CaKFe _{{4}As_{4}} . <i>Physical Review Letters</i> , 2018 , 120, 267003	7.4	18
59	Two-Dimensional Massless Dirac Fermions in Antiferromagnetic AFe _{{2}As_{2}} (A=Ba,Sr). <i>Physical Review Letters</i> , 2017 , 119, 096401	7.4	16
58	Energy dependence of the spin excitation anisotropy in uniaxial-strained BaFe _{1.9} Ni _{0.1} As ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	16
57	Propeller-Like Low Temperature Fermi Surface of Ba _{1-x} K _x Fe ₂ As ₂ from Magnetotransport and Photoemission Measurements. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 023710	1.5	16
56	Growth and characterization of Bi _{2+x} Sr _{2-x} CuO _{6+y} single crystals. <i>Journal of Crystal Growth</i> , 2007 , 305, 222-227	1.6	15
55	EMuS Muon Facility and Its Application in the Study of Magnetism. <i>Quantum Beam Science</i> , 2018 , 2, 23	1.6	15
54	Neutron Spin Resonance in the 112-Type Iron-Based Superconductor. <i>Physical Review Letters</i> , 2018 , 120, 137001	7.4	14
53	Spin excitations in optimally P-doped BaFe ₂ (As _{0.7} P _{0.3}) ₂ superconductor. <i>Physical Review B</i> , 2016 , 94,	3.3	14
52	Spin Waves in Detwinned BaFe _{{2}As_{2}} . <i>Physical Review Letters</i> , 2018 , 121, 067002	7.4	14
51	Measurements of the superconducting fluctuations in optimally doped BaFe ₂ NiAs ₂ under high magnetic fields: probing the 3D-anisotropic Ginzburg-Landau approach. <i>Superconductor Science and Technology</i> , 2014 , 27, 075001	3.1	14

50	Vortex creep and critical current densities in superconducting (Ba,K)Fe ₂ As ₂ single crystals. <i>Physical Review B</i> , 2012 , 86,	3.3	14
49	Crystal growth and phase diagram of 112-type iron pnictide superconductor Ca _{1-x} La _x Fe _{1-x} Ni _x As ₂ . <i>Superconductor Science and Technology</i> , 2017 , 30, 095002	3.1	13
48	Superconducting fluctuations in isovalently substituted BaFe ₂ (As _{1-x} P _x) ₂ : Possible observation of multiband effects. <i>Physical Review B</i> , 2015 , 92,	3.3	13
47	Growth and post-annealing studies of Bi ₂ Sr _{2-x} La _x CuO _{6+(0-x.00)} single crystals. <i>Superconductor Science and Technology</i> , 2008 , 21, 125024	3.1	13
46	Neutron powder diffraction study on the iron-based nitride superconductor ThFeAsN. <i>Europhysics Letters</i> , 2017 , 117, 57005	1.6	12
45	Neutron Spin Resonance in a Quasi-Two-Dimensional Iron-Based Superconductor. <i>Physical Review Letters</i> , 2020 , 125, 117002	7.4	12
44	Doping evolution of antiferromagnetism and transport properties in nonsuperconducting BaFe _{2-x} Ni _x Cr _x As ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	11
43	The effect of Cr impurity to superconductivity in electron-doped BaFe _{2-x} Ni _x As ₂ . <i>Superconductor Science and Technology</i> , 2014 , 27, 115003	3.1	11
42	Spin excitation anisotropy in the optimally isovalent-doped superconductor BaFe ₂ (As _{0.7} P _{0.3}) ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	11
41	Observation of an anomalous peak in isofield M(T) curves in BaFe ₂ (As _{0.68} P _{0.32}) ₂ suggesting a phase transition in the irreversible regime. <i>Superconductor Science and Technology</i> , 2015 , 28, 055017	3.1	10
40	Spectroscopic evidence of bilayer splitting and strong interlayer pairing in the superconductor KCa ₂ Fe ₄ As ₄ F ₂ . <i>Physical Review B</i> , 2020 , 101,	3.3	10
39	Nematic magnetoelastic effect contrasted between Ba(Fe _{1-x} Cox) ₂ As ₂ and FeSe. <i>Physical Review B</i> , 2016 , 93,	3.3	10
38	Spin excitations and spin wave gap in the ferromagnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	10
37	Quasi-two-dimensional behavior of 112-type iron-based superconductors. <i>Physical Review B</i> , 2017 , 96,	3.3	8
36	Temperature dependence of the resonance and low-energy spin excitations in superconducting FeTe _{0.6} Se _{0.4} . <i>Physical Review B</i> , 2012 , 85,	3.3	8
35	Vortex dynamics as a function of field orientation in BaFe _{1.9} Ni _{0.1} As ₂ . <i>Superconductor Science and Technology</i> , 2013 , 26, 025006	3.1	7
34	Friedel Oscillations of Vortex Bound States under Extreme Quantum Limit in KCa ₂ Fe ₄ As ₄ F ₂ . <i>Physical Review Letters</i> , 2021 , 126, 257002	7.4	7
33	Doping Dependence of the Second Magnetization Peak, Critical Current Density, and Pinning Mechanism in BaFe _{2-x} Ni _x As ₂ Pnictide Superconductors. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 179-188	4	6

32	ThMnPnN (Pn = P, As): Synthesis, Structure, and Chemical Pressure Effects. <i>Inorganic Chemistry</i> , 2020 , 59, 2937-2944	5.1	6
31	Specific heat of optimally doped Ba(Fe _{1-x} TM _x) ₂ As ₂ (TM = Co and Ni) single crystals at low temperatures: A multiband fitting. <i>Physical Review B</i> , 2012 , 85,	3.3	6
30	Anisotropic magnetoelastic response in the magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	6
29	Determination of the incommensurate modulated structure of Bi ₂ Sr _{1.6} La _{0.4} CuO _{6+δ} by aberration-corrected transmission electron microscopy. <i>Ultramicroscopy</i> , 2015 , 159 Pt 1, 67-72	3.1	5
28	Single-particle tunneling spectroscopy and superconducting gaps in the layered iron-based superconductor KCa ₂ Fe ₄ As ₄ F ₂ . <i>Physical Review B</i> , 2021 , 103,	3.3	5
27	Spin dynamics of edge-sharing spin chains in SrCa ₁₃ Cu ₂₄ O ₄₁ . <i>Physical Review B</i> , 2018 , 98,	3.3	5
26	Strong pinning in the hole-doped pnictide superconductor La _{0.34} Na _{0.66} Fe ₂ As ₂ . <i>Journal of Applied Physics</i> , 2019 , 125, 123902	2.5	4
25	Sharp peak of the critical current density in BaFe _{2-x} Ni _x As ₂ at optimal composition. <i>Physical Review B</i> , 2020 , 101,	3.3	4
24	Electronic specific heat in BaFe _{2-x} Ni _x As ₂ . <i>Physical Review B</i> , 2016 , 93,	3.3	4
23	Magnetic phase diagram of the layered superconductor Bi _{2-x} Sr _{2-x} CuO _{6+δ} (Bi ₂ 201) with T _c 7 K. <i>Superconductor Science and Technology</i> , 2012 , 25, 105004	3.1	4
22	Low temperature specific heat in BaFe _{1.9} Ni _{0.1} As ₂ single crystals. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 1221-1224	3.6	4
21	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
20	Nature of the antiferromagnetic and nematic transitions in Sr _{1-x} Ba _x Fe _{1.97} Ni _{0.03} As ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	3
19	Unconventional Antiferromagnetic Quantum Critical Point in Ba(Fe _{0.97} Cr _{0.03}) ₂ (As _{1-x} P _x) ₂ . <i>Physical Review Letters</i> , 2019 , 122, 037001	7.4	3
18	Doping effects of Cr on the physical properties of BaFe _{1.9-x} Ni _{0.1} Cr _x As ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	3
17	A study of one-dimensional incommensurate modulated structure determination in high-resolution transmission electron microscopy. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014 , 70, 563-571	1.7	3
16	Large increase of the anisotropy factor in the overdoped region of Ba(Fe _{1-x} Ni _x) ₂ As ₂ as probed by fluctuation spectroscopy. <i>Superconductor Science and Technology</i> , 2015 , 28, 075004	3.1	3
15	Localization of charge carriers in the normal state of underdoped Bi _{2-x} Sr _{2-x} CuO _{6+δ} . <i>Physical Review B</i> , 2014 , 89,	3.3	3

14	Common (111) Band Folding and Surface Reconstruction in FeAs-Based Superconductors. <i>Chinese Physics Letters</i> , 2021 , 38, 057404	1.8	3
13	Surface impedance of BaFe ₂ Ni _x As ₂ crystals. <i>Solid State Communications</i> , 2014 , 185, 10-13	1.6	2
12	Spin-excitation anisotropy in the bilayer iron-based superconductor CaKFe ₄ As ₄ . <i>Physical Review Research</i> , 2020 , 2,	3.9	2
11	Nonlinear uniaxial pressure dependence of T _c in iron-based superconductors. <i>Physical Review Research</i> , 2019 , 1,	3.9	2
10	Vortex dynamics and phase diagram in the electron-doped cuprate superconductor Pr _{0.87} LaCe _{0.13} CuO ₄ . <i>Physical Review B</i> , 2020 , 102,	3.3	2
9	Single-crystal growth of the iron-based superconductor La _{0.34} Na _{0.66} Fe ₂ As ₂ . <i>Superconductor Science and Technology</i> , 2018 , 31, 125008	3.1	2
8	Surface impedance in the antiferromagnetic and superconducting states of underdoped BaFe _{1.93} Ni _{0.07} As ₂ crystals. <i>Solid State Communications</i> , 2014 , 192, 47-50	1.6	1
7	Surface morphology and electronic structure in stoichiometric superconductor CaKFe ₄ As ₄ probed by scanning tunneling microscopy/spectroscopy. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0
6	Preferred Spin Excitations in the Bilayer Iron-Based Superconductor CaK(Fe _{0.96} Ni _{0.04}) ₄ As ₄ with Spin-Vortex Crystal Order.. <i>Physical Review Letters</i> , 2022 , 128, 137003	7.4	0
5	In-plane electrical impedance as a probe for the electron nematicity of BaFe ₂ As ₂ . <i>AIP Advances</i> , 2019 , 9, 035140	1.5	
4	The c-axis complex permittivity and electrical impedance in BaFe ₂ As ₂ : Experimental examination on transformation validity. <i>Chinese Physics B</i> , 2019 , 28, 057702	1.2	
3	Magnetic fluctuations in BaFe ₂ Ni _x As ₂ superconductors. <i>Solid State Communications</i> , 2017 , 267, 48-52	1.6	
2	Angular-dependent magnetic torque in iron-pnictide BaFe ₂ Ni _x As ₂ . <i>International Journal of Modern Physics B</i> , 2017 , 31, 1750005	1.1	
1	Effect of residual stress on nematic domains in BaFe ₂ Ni _x As ₂ studied by angular magnetoresistance. <i>Chinese Physics B</i> , 2016 , 25, 057402	1.2	