

Qimiao Si

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7830574/publications.pdf>

Version: 2024-02-01

211
papers

13,108
citations

22153

59
h-index

24258

110
g-index

217
all docs

217
docs citations

217
times ranked

5964
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum criticality in heavy-fermion metals. Nature Physics, 2008, 4, 186-197.	16.7	1,065
2	Locally critical quantum phase transitions in strongly correlated metals. Nature, 2001, 413, 804-808.	27.8	846
3	Strong Correlations and Magnetic Frustration in the High- T_c Iron Pnictides. Physical Review Letters, 2008, 101, 076401.	7.8	618
4	How do Fermi liquids get heavy and die?. Journal of Physics Condensed Matter, 2001, 13, R723-R738.	1.8	542
5	Heavy Fermions and Quantum Phase Transitions. Science, 2010, 329, 1161-1166.	12.6	449
6	Hall-effect evolution across a heavy-fermion quantum critical point. Nature, 2004, 432, 881-885.	27.8	431
7	High-temperature superconductivity in iron pnictides and chalcogenides. Nature Reviews Materials, 2016, 1, .	48.7	352
8	Universally Diverging Gr γ_4 neisen Parameter and the Magnetocaloric Effect Close to Quantum Critical Points. Physical Review Letters, 2003, 91, 066404.	7.8	310
9	Comparison of spin dynamics in YBa $_2$ Cu $_3$ O $_{7-\delta}$ and La $_{2-x}$ Sr $_x$ CuO $_4$: Effects of Fermi-surface geometry. Physical Review B, 1993, 47, 9055-9076.	3.2	216
10	Magnetically driven superconductivity in CeCu $_2$ Si $_2$. Nature Physics, 2011, 7, 119-124.	16.7	207
11	Time-reversal symmetry-breaking charge order in a kagome superconductor. Nature, 2022, 602, 245-250.	27.8	207
12	Divergence of the Gr γ_4 neisen Ratio at Quantum Critical Points in Heavy Fermion Metals. Physical Review Letters, 2003, 91, 066405.	7.8	204
13	Multiple Energy Scales at a Quantum Critical Point. Science, 2007, 315, 969-971.	12.6	202
14	Observation of Temperature-Induced Crossover to an Orbital-Selective Mott Phase in $A_x\text{Fe}_{2-x}\text{Fe}$		

#	ARTICLE	IF	CITATIONS
19	Spatial correlations in dynamical mean-field theory. Physical Review B, 2000, 61, 5184-5193.	3.2	145
20	Fermi-surface collapse and dynamical scaling near a quantum-critical point. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14547-14551.	7.1	133
21	Strongly Correlated Materials. Advanced Materials, 2012, 24, 4896-4923.	21.0	129
22	Orbital-Selective Mott Phase in Multiorbital Models for Alkaline Iron Selenides $K_{1-x}Fe_xO_{10}$. Physical Review Letters, 2013, 110, 146402.	7.8	128
23	Antiferroquadrupolar and Ising-Nematic Orders of a Frustrated Bilinear-Biquadratic Heisenberg Model and Implications for the Magnetism of FeSe. Physical Review Letters, 2015, 115, 116401.	7.8	128
24	Global magnetic phase diagram and local quantum criticality in heavy fermion metals. Physica B: Condensed Matter, 2006, 378-380, 23-27.	2.7	125
25	Destruction of the Kondo effect in the cubic heavy-fermion compound Ce ₃ Pd ₂₀ Si ₆ . Nature Materials, 2012, 11, 189-194.	27.5	123
26	Local fluctuations in quantum critical metals. Physical Review B, 2003, 68, .	3.2	118
27	Critical Behavior near the Mott Transition in the Hubbard Model. Physical Review Letters, 1995, 74, 2082-2085.	7.8	113
28	Band Narrowing and Mott Localization in Iron Oxychalcogenides $La_{2-x}Fe_xO_{10}$.		

#	ARTICLE	IF	CITATIONS
37	Quantum phase transitions in holographic models of magnetism and superconductors. Physical Review D, 2010, 82, .	4.7	78
38	Thermal and electrical transport across a magnetic quantum critical point. Nature, 2012, 484, 493-497.	27.8	78
39	Emergence of superconductivity in the canonical heavy-electron metal YbRh_2Si_2 . Science, 2016, 351, 485-488.	12.6	77
40	Critical Local-Moment Fluctuations, Anomalous Exponents, and $1/T$ Scaling in the Kondo Problem with a Pseudogap. Physical Review Letters, 2002, 89, 076403.	7.8	74
41	NMR relaxation and neutron scattering in a Fermi-liquid picture of the metallic copper oxides. Physical Review Letters, 1990, 65, 2466-2469.	7.8	70
42	Falicov-Kimball model and the breaking of Fermi-liquid theory in infinite dimensions. Physical Review B, 1992, 46, 1261-1264.	3.2	70
43	Colloquium: Heavy-electron quantum criticality and single-particle spectroscopy. Reviews of Modern Physics, 2020, 92, .	45.6	70
44	Correlation effects in the iron pnictides. New Journal of Physics, 2009, 11, 045001.	2.9	69
45	Neutron experiments as a test of anisotropic pairing in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and $\text{La}_2\text{xSrxCuO}_4$. Physical Review B, 1993, 47, 9124-9127.	3.2	68
46	Metal-Insulator Transition of Disordered Interacting Electrons. Physical Review Letters, 1998, 81, 4951-4954.	7.8	68
47	Quantum phase transitions in heavy fermion metals and Kondo insulators. Physica Status Solidi (B): Basic Research, 2013, 250, 425-438.	1.5	68
48	Avoided Quantum Criticality and Magnetoelastic Coupling in BaFe_2As_2 . Physical Review Letters, 2013, 110, 257001.	7.8	68
49	Kondo Destruction and Quantum Criticality in Kondo Lattice Systems. Journal of the Physical Society of Japan, 2014, 83, 061005.	1.6	67
50	Fermi surface reconstruction and multiple quantum phase transitions in the antiferromagnet CeRhIn_5 . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 673-678.	7.1	67
51	Non-Fermi liquids in the two-band extended Hubbard model. Europhysics Letters, 1999, 45, 228-234.	2.0	66
52	Kondo Insulator to Semimetal Transformation Tuned by Spin-Orbit Coupling. Physical Review Letters, 2017, 118, 246601.	7.8	66
53	Nematic Energy Scale and the Missing Electron Pocket in FeSe. Physical Review X, 2019, 9, .	8.9	66
54	Quantum-critical phase from frustrated magnetism in a strongly correlated metal. Nature Physics, 2019, 15, 1261-1266.	16.7	66

#	ARTICLE	IF	CITATIONS
55	Frequency evolution of neutron peaks below T_c : Commensurate and incommensurate structure in $\text{La}_{0.85}\text{Sr}_{0.15}\text{CuO}_4$ and $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$. Physical Review B, 2000, 61, R11898-R11901.	3.2	65
56	Mott transition in multiorbital models for iron pnictides. Physical Review B, 2011, 84, .	3.2	64
57	Fully gapped d -wave superconductivity in CeCu_2Si_2 . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5343-5347.	7.1	62
58	Orbital-selective pairing and superconductivity in iron selenides. Npj Quantum Materials, 2017, 2, .	5.2	60
59	Incommensurate Spin Fluctuations in the Spin-Triplet Superconductor Candidate UTe_2 . Physical Review Letters, 2020, 125, 237003.	7.8	60
60	Locally Critical Point in an Anisotropic Kondo Lattice. Physical Review Letters, 2003, 91, 026401.	7.8	58
61	Fermi-liquid and non-Fermi-liquid phases of an extended Hubbard model in infinite dimensions. Physical Review Letters, 1993, 70, 3143-3146.	7.8	57
62	Orbital-selective superconductivity, gap anisotropy, and spin resonance excitations in a multiorbital t - J model for iron pnictides. Physical Review B, 2014, 89, .	3.2	57
63	Continuous Quantum Phase Transition in a Kondo Lattice Model. Physical Review Letters, 2003, 91, 156404.	7.8	56
64	Quantum Critical Properties of the Bose-Fermi Kondo Model in a Large- N Limit. Physical Review Letters, 2004, 93, 267201.	7.8	55
65	Singular charge fluctuations at a magnetic quantum critical point. Science, 2020, 367, 285-288.	12.6	55
66	Spin Conductivity and Spin-Charge Separation in the High- T_c Cuprates. Physical Review Letters, 1997, 78, 1767-1770.	7.8	54
67	Giant spontaneous Hall effect in a nonmagnetic Weyl "Kondo semimetal". Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	53
68	Superconductivity in Ce- and U-Based α -Heavy-Fermion Compounds. Journal of the Physical Society of Japan, 2012, 81, 011001.	1.6	51
69	Experimental observation of incoherent-coherent crossover and orbital-dependent band renormalization in iron chalcogenide superconductors. Physical Review B, 2015, 92, .	3.2	46
70	Strain-Driven Approach to Quantum Criticality in FeAs_2 . Physical Review Letters, 2016, 116, 237003.	3.2	44
71	Quantum Criticality in KFe_2As_2 . Physical Review Letters, 2016, 116, 237003.	3.2	43
72	QUANTUM CRITICAL BEHAVIOR IN KONDO SYSTEMS. International Journal of Modern Physics B, 1999, 13, 2331-2342.	2.0	42

#	ARTICLE	IF	CITATIONS
73	Electrons on the verge. Nature Physics, 2009, 5, 629-630.	16.7	42
74	Hall Effect in Nested Antiferromagnets near the Quantum Critical Point. Physical Review Letters, 2003, 90, 116601.	7.8	41
75	Metallic ferromagnetism in the Kondo lattice. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15704-15707.	7.1	41
76	Heavy-fermion quantum criticality and destruction of the Kondo effect in a nickel oxypnictide. Nature Materials, 2014, 13, 777-781.	27.5	41
77	Superconductivity at the border of electron localization and itinerancy. Nature Communications, 2013, 4, 2783.	12.8	40
78	Measurement of a Double Neutron-Spin Resonance and an Anisotropic Energy Gap for Underdoped Superconducting $\text{NaFe}_{0.985}\text{Co}$ Inelastic Neutron Scattering. Physical Review Letters, 2013, 111, 207002.	7.8	40
79	Metallic non-Fermi-liquid phases of an extended Hubbard model in infinite dimensions. Physical Review B, 1993, 48, 13881-13903.	3.2	39
80	Evolution of low-energy spin dynamics in the electron-doped high-transition-temperature superconductor $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_4$. Physical Review B, 2006, 74, .	3.2	36
81	A Mott insulator continuously connected to iron pnictide superconductors. Nature Communications, 2016, 7, 13879.	12.8	36
82	Quantum criticality in ferromagnetic single-electron transistors. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18824-18829.	7.1	35
83	Orbital Selectivity Enhanced by Nematic Order in FeSe. Physical Review Letters, 2018, 121, 227003.	7.8	35
84	Superconductivity in multi-orbital t - J_1 - J_2 model and its implications for iron pnictides. Europhysics Letters, 2010, 91, 37006.	2.0	34
85	Resonance from antiferromagnetic spin fluctuations for superconductivity in UTe_2 . Nature, 2021, 600, 636-640.	27.8	34
86	Spin Injection into a Luttinger Liquid. Physical Review Letters, 1998, 81, 3191-3194.	7.8	33
87	Fermi Surface and Antiferromagnetism in the Kondo Lattice: An Asymptotically Exact Solution in $d < 1$ Dimensions. Physical Review Letters, 2007, 99, 016401.	7.8	33
88	Kondo Destruction and Valence Fluctuations in an Anderson Model. Physical Review Letters, 2012, 109, 086403.	7.8	33
89	Magnetic interactions in the metallic phase of the copper oxides: A Fermi-liquid description. Physical Review B, 1992, 45, 4930-4940.	3.2	32
90	Evolution of the Kondo lattice and non-Fermi liquid excitations in a heavy-fermion metal. Nature Communications, 2018, 9, 3324.	12.8	32

#	ARTICLE	IF	CITATIONS
91	Theoretical investigation of superconductivity in trilayer square-planar nickelates. Physical Review B, 2020, 102, .	3.2	32
92	Zero-Temperature Magnetic Transition in an Easy-Axis Kondo Lattice Model. Physical Review Letters, 2007, 99, 227204.	7.8	31
93	Quantum Criticality Out of Equilibrium: Steady State in a Magnetic Single-Electron Transistor. Physical Review Letters, 2009, 103, 206401.	7.8	31
94	Quantum Phases of the Shastry-Sutherland Kondo Lattice: Implications for the Global Phase Diagram of Heavy-Fermion Metals. Physical Review Letters, 2014, 113, 176402.	7.8	31
95	Role of the 245 phase in alkaline iron selenide superconductors revealed by high-pressure studies. Physical Review B, 2014, 89, .	3.2	31
96	Orbital-selective superconductivity in the nematic phase of FeSe. Physical Review B, 2018, 98, .	3.2	31
97	Toulouse points and non-Fermi-liquid states in the mixed-valence regime of the generalized Anderson model. Physical Review B, 1996, 53, 12373-12388.	3.2	30
98	Electronic nematic correlations in the stress-free tetragonal state of $\text{BaFe}_{1-x}\text{Co}_x\text{As}_2$. Physical Review B, 2015, 92, .	3.2	30
99	Competing Topological and Kondo Insulator Phases on a Honeycomb Lattice. Physical Review Letters, 2013, 111, 016402.	7.8	29
100	Orbital-selective Mott phase in multiorbital models for iron pnictides and chalcogenides. Physical Review B, 2017, 96, .	3.2	29
101	Direct visualization of coexisting channels of interaction in CeSb. Science Advances, 2019, 5, eaat7158.	10.3	29
102	Phenomenological description of the copper oxides as almost localized Fermi liquids. Physical Review B, 1990, 42, 1033-1036.	3.2	28
103	Hall effect in heavy fermion metals. Advances in Physics, 2012, 61, 583-664.	14.4	28
104	Local Orthorhombicity in the Magnetic Phase of the Hole-Doped Iron-Arsenide Superconductor $\text{C}_{1-x}\text{Fe}_x\text{As}$. Physical Review Letters, 2010, 105, 087201.	7.8	28
105	Finite-Size Scaling of Classical Long-Ranged Ising Chains and the Criticality of Dissipative Quantum Impurity Models. Physical Review Letters, 2009, 102, 166405.	7.8	26
106	Anisotropic neutron spin resonance in underdoped superconducting $\text{NaFe}_{1-x}\text{Co}_x\text{As}$. Physical Review B, 2014, 90, .	3.2	26
107	Linear resistivities in the copper oxides: Fermi-liquid-based approaches. Physical Review B, 1991, 44, 4727-4730.	3.2	25
108	Scaling and Enhanced Symmetry at the Quantum Critical Point of the Sub-Ohmic Bose-Fermi Kondo Model. Physical Review Letters, 2008, 100, 026403.	7.8	24

#	ARTICLE	IF	CITATIONS
109	Spin dynamics of a J_2 antiferromagnet and its implications for iron pnictides. Physical Review B, 2011, 84, .	3.2	24
110	Effects of Pairing Potential Scattering on Fourier-Transformed Inelastic Tunneling Spectra of High-Tc Cuprate Superconductors with Bosonic Modes. Physical Review Letters, 2006, 97, 177001.	7.8	23
111	Sequential localization of a complex electron fluid. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17701-17706.	7.1	23
112	Weyl-Kondo semimetals in nonsymmorphic systems. Physical Review B, 2020, 101, .	3.2	23
113	Local Electronic Structure of a Single Nonmagnetic Impurity as a Test of the Pairing Symmetry of Electrons in (K,Tl)FeSe ₂ Superconductors. Physical Review Letters, 2011, 107, 167002.	7.8	22
114	Critical Kondo Destruction in a Pseudogap Anderson Model: Scaling and Relaxational Dynamics. Physical Review Letters, 2011, 107, 076404.	7.8	22
115	Finite-Temperature Spin Dynamics in a Perturbed Quantum Critical Ising Chain with an E_{8g} Symmetry. Physical Review Letters, 2014, 113, 247201.	7.8	22
116	Evidence of a Kondo Destroying Quantum Critical Point in YbRh ₂ Si ₂ . Journal of the Physical Society of Japan, 2014, 83, 061001.	1.6	22
117	Quantum phase transition and destruction of Kondo effect in pressurized SmB ₆ . Science Bulletin, 2017, 62, 1439-1444.	9.0	22
118	Crossovers and critical scaling in the one-dimensional transverse-field Ising model. Physical Review B, 2018, 97, .	3.2	22
119	Microscopic Fermi liquid theory of NMR relaxation and neutron scattering in the metallic copper oxides. Physica C: Superconductivity and Its Applications, 1991, 179, 191-206.	1.2	21
120	Global Phase Diagram of the Kondo Lattice: From Heavy Fermion Metals to Kondo Insulators. Journal of Low Temperature Physics, 2010, 161, 233-262.	1.4	21
121	Orbital-Selective Kondo Entanglement and Antiferromagnetic Order in USb_2 . Physical Review Letters, 2019, 123, 106402.	7.8	21
122	f -spin physics of rare-earth iron pnictides: Influence of d -electron antiferromagnetic order on the heavy-fermion phase diagram. Physical Review B, 2009, 80, .	3.2	20
123	Orbital-dependent effects of electron correlations in microscopic models for iron-based superconductors. Current Opinion in Solid State and Materials Science, 2013, 17, 65-71.	11.5	20
124	Routes to heavy-fermion superconductivity. Journal of Physics: Conference Series, 2013, 449, 012028.	0.4	20
125	Evolution of Magnetic Double Helix and Quantum Criticality near a Dome of Superconductivity in CrAs. Physical Review X, 2018, 8, .	8.9	20
126	Magnetotransport near a quantum critical point in a simple metal. Physical Review B, 2004, 69, .	3.2	19

#	ARTICLE	IF	CITATIONS
127	Energy dependence of the spin excitation anisotropy in uniaxial-strained $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$. <i>Physical Review B</i> , 2015, 92, .	3.2	18
128	Kondo destruction in heavy fermion quantum criticality and the photoemission spectrum of YbRh_2Si_2 . <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 400, 17-22.	2.3	17
129	Multiorbital singlet pairing and d -wave superconductivity. <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	17
130	Correlation-driven electronic reconstruction in $\text{FeTe}_{1-x}\text{S}_x$. <i>Communications Physics</i> , 2022, 5, .	5.3	17
131	Magnetic quantum phase transitions in Kondo lattices. <i>Journal of Physics Condensed Matter</i> , 2005, 17, R1025-R1040.	1.8	16
132	Quantum criticality in the pseudogap Bose-Fermi Anderson and Kondo models: Interplay between fermion- and boson-induced Kondo destruction. <i>Physical Review B</i> , 2013, 88, .	3.2	16
133	Antiferroquadrupolar Order and Rotational Symmetry Breaking in a Generalized Bilinear-Biquadratic Model on a Square Lattice. <i>Physical Review Letters</i> , 2017, 118, 176401.	7.8	16
134	Interplay between unconventional superconductivity and heavy-fermion quantum criticality: CeCu_2Si_2 versus YbRh_2Si_2 . <i>Philosophical Magazine</i> , 2018, 98, 2930-2963.	1.6	16
135	Orbital Selectivity in Electron Correlations and Superconducting Pairing of Iron-Based Superconductors. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	16
136	Andreev Reflection and Spin Injection into d -Wave Superconductors. <i>Physical Review Letters</i> , 1999, 83, 5326-5329.	7.8	15
137	Entropy accumulation near quantum critical points: effects beyond hyperscaling. <i>Journal of Physics: Conference Series</i> , 2011, 273, 012019.	0.4	15
138	Magnetism, f -electron localization and superconductivity in 122-type heavy-fermion metals. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 294201.	1.8	15
139	Field-induced long-range magnetic order in the spin-singlet ground-state system YbAl_3C_3 . <i>Physical Review B</i> , 2013, 87, .	3.2	15
140	Broken mirror symmetry, incommensurate spin correlations, and B2g nematic order in iron pnictides. <i>Physical Review B</i> , 2019, 100, .	3.2	15
141	Spin-excitation anisotropy in the nematic state of detwinned FeSe . <i>Nature Physics</i> , 2022, 18, 806-812.	16.7	15
142	Renormalization group for mixed fermion-boson systems. <i>Physical Review B</i> , 2010, 81, .	3.2	14
143	Quantum criticality of the sub-Ohmic spin-boson model. <i>Physical Review B</i> , 2012, 85, .	3.2	14
144	Spin excitations and the Fermi surface of superconducting FeS . <i>Npj Quantum Materials</i> , 2017, 2, .	5.2	14

#	ARTICLE	IF	CITATIONS
145	Kondo destruction in a quantum paramagnet with magnetic frustration. <i>Physical Review B</i> , 2018, 97, .	3.2	14
146	Local quantum criticality out of equilibrium: Effective temperatures and scaling in the steady-state regime. <i>Europhysics Letters</i> , 2013, 102, 50001.	2.0	13
147	Theory of spin dynamics in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 201, 289-294.	1.2	12
148	Transitions from small to large Fermi momenta in a one-dimensional Kondo lattice model. <i>Physical Review B</i> , 2004, 69, .	3.2	12
149	Glide reflection symmetry, Brillouin zone folding, and superconducting pairing for the $P4/nmmspace$ group. <i>Physical Review B</i> , 2015, 92, .	3.2	12
150	Pairing correlations near a Kondo-destruction quantum critical point. <i>Physical Review B</i> , 2015, 91, .	3.2	12
151	Multidimensional entropy landscape of quantum criticality. <i>Nature Physics</i> , 2017, 13, 742-745.	16.7	12
152	Probing spin-charge separation using spin transport. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1519-1522.	1.2	11
153	Spectral Evidence for Emergent Order in $\text{BaCu}_2\text{Si}_2\text{O}_7$. <i>Physical Review Letters</i> , 2018, 121, 127001.	7.8	11
154	Pristine quantum criticality in a Kondo semimetal. <i>Science Advances</i> , 2021, 7, .	10.3	11
155	Spin polarons in high-Tc copper oxides: Differences between electron- and hole-doped systems. <i>Physical Review B</i> , 1990, 42, 950-953.	3.2	9
156	Theory of contrasting spin dynamics in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ and La_2CuO_4 . <i>Physica C: Superconductivity and Its Applications</i> , 1993, 212, 413-418.	1.2	9
157	Spectral functions in a magnetic field as a probe of spin-charge separation in a Luttinger liquid. <i>Europhysics Letters</i> , 2002, 60, 882-888.	2.0	9
158	Electron Correlation and Spin Dynamics in Iron Pnictides and Chalcogenides. <i>Journal of Physics: Conference Series</i> , 2013, 449, 012025.	0.4	9
159	Nematic spin liquid phase in a frustrated spin-1 system on the square lattice. <i>Physical Review B</i> , 2019, 100, .	3.2	9
160	Low-carrier density and fragile magnetism in a Kondo lattice system. <i>Physical Review B</i> , 2019, 99, .	3.2	9
161	Quantum transitions of nematic phases in a spin-1 bilinear-biquadratic model and their implications for FeSe. <i>Physical Review Research</i> , 2020, 2, .	3.6	9
162	From fermiology to spin dynamics: Current status of Fermi liquid based approaches to the cuprates. <i>Journal of Physics and Chemistry of Solids</i> , 1991, 52, 1337-1348.	4.0	8

#	ARTICLE	IF	CITATIONS
163	Spin dynamics and implications for superconductivity: some problems with the d-wave scenario. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994, 7, 563-570.	0.5	8
164	On the concept of effective temperature in current carrying quantum critical states. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 631-634.	1.5	8
165	Break Up of Heavy Fermions at an Antiferromagnetic Instability. <i>Journal of the Physical Society of Japan</i> , 2011, 80, SA002.	1.6	8
166	Continuous-Time Monte Carlo study of the pseudogap Bose-Fermi Kondo model. <i>Journal of Physics: Conference Series</i> , 2011, 273, 012050.	0.4	8
167	Effects of the Berry Phase and Instantons in One-Dimensional Kondo-Heisenberg Model. <i>Physical Review Letters</i> , 2011, 107, 126404.	7.8	8
168	Topological defects of Néel order and Kondo singlet formation for the Kondo-Heisenberg model on a honeycomb lattice. <i>Physical Review B</i> , 2014, 89, .	3.2	8
169	Magnetic and Ising quantum phase transitions in a model for isoelectronically tuned iron pnictides. <i>Physical Review B</i> , 2016, 93, .	3.2	8
170	Density matrix renormalization group study of nematicity in two dimensions: Application to a spin-1 bilinear-biquadratic model on the square lattice. <i>Physical Review B</i> , 2020, 101, .	3.2	8
171	Dynamical Scaling of Charge and Spin Responses at a Kondo Destruction Quantum Critical Point. <i>Physical Review Letters</i> , 2020, 124, 027205.	7.8	8
172	Non-Fermi liquids in the extended Hubbard model. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 9953-9984.	1.8	7
173	Skyrmion defects and competing singlet orders in a half-filled antiferromagnetic Kondo-Heisenberg model on the honeycomb lattice. <i>Physical Review B</i> , 2017, 96, .	3.2	7
174	Unconventional and conventional quantum criticalities in CeRh _{0.58} Ir _{0.42} In ₅ . <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	7
175	Zero-Field Ambient-Pressure Quantum Criticality in the Stoichiometric Non-Fermi Liquid System CeRhBi. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 064708.	1.6	7
176	Plaquette instability competing with bicollinear ground state in detwinned FeTe. <i>Physical Review B</i> , 2019, 100, .	3.2	7
177	The local quantum critical point and non-Fermi liquid properties. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S2207-S2213.	1.8	6
178	Discontinuous Hall coefficient at the quantum critical point in YbRh ₂ Si ₂ . <i>Journal of Physics Condensed Matter</i> , 2011, 23, 094216.	1.8	6
179	Neutron spin resonance as a probe of superconducting gap anisotropy in partially detwinned electron underdoped NaFe _{0.985} Co _{0.015} As. <i>Physical Review B</i> , 2015, 91, .	3.2	6
180	Spin-isotropic continuum of spin excitations in antiferromagnetically ordered Fe _{1.07} Te. <i>Physical Review B</i> , 2018, 97, .	3.2	6

#	ARTICLE	IF	CITATIONS
181	Effective exchange interactions for bad metals and implications for iron-based superconductors. <i>Physical Review B</i> , 2019, 100, .	3.2	6
182	Magnetic interactions in the metallic phase of the copper oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 172, 481-485.	1.2	5
183	Fermi surface and magnetism in the Kondo lattice: A continuum field theory approach. <i>Physica B: Condensed Matter</i> , 2008, 403, 1414-1416.	2.7	5
184	Bose-Fermi Kondo model with Ising anisotropy: Cluster-Monte Carlo approach. <i>Physica B: Condensed Matter</i> , 2008, 403, 1199-1201.	2.7	5
185	Cluster extended dynamical mean-field approach and unconventional superconductivity. <i>Physical Review B</i> , 2015, 91, .	3.2	5
186	Global phase diagram and momentum distribution of single-particle excitations in Kondo insulators. <i>Physical Review B</i> , 2018, 98, .	3.2	5
187	Heavy fermion quantum criticality at dilute carrier limit in $CeNi_2(As_{1-x}P_x)_2$. <i>Scientific Reports</i> , 2019, 9, 12307.	3.3	5
188	Anisotropic magnetic excitations of a frustrated bilinear-biquadratic spin model: Implications for spin waves of detwinned iron pnictides. <i>Physical Review B</i> , 2020, 101, .	3.2	5
189	Quantum Critical Metals: Beyond the Order Parameter Fluctuations. <i>Advances in Solid State Physics</i> , 2004, , 253-264.	0.8	4
190	Magnetic single-electron transistor as a tunable model system for Kondo-destroying quantum criticality. <i>Physica B: Condensed Matter</i> , 2008, 403, 1189-1193.	2.7	4
191	Quantum critical Kondo destruction in the Bose-Fermi Kondo model with a local transverse field. <i>Physical Review B</i> , 2013, 88, .	3.2	4
192	Comment on "Zeeman-Driven Lifshitz Transition: A Model for the Experimentally Observed Fermi-Surface Reconstruction in $YbRh_2Si_2$ ". <i>Physical Review Letters</i> , 2013, 111, 139701.	7.8	4
193	Bose-Fermi Anderson model with $SU(2)$ symmetry: Continuous-time quantum Monte Carlo study. <i>Physical Review B</i> , 2019, 100, .	3.2	4
194	Inhomogeneous Kondo-lattice in geometrically frustrated $Pr_2Ir_2O_7$. <i>Nature Communications</i> , 2021, 12, 1377.	12.8	4
195	Theory of spin dynamics in the metallic cuprates (invited). <i>Journal of Applied Physics</i> , 1994, 76, 6935-6940.	2.5	3
196	Heat transport and spin-charge separation in the normal state of high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 364-365, 9-12.	1.2	3
197	Destruction of the Kondo effect in a multi-channel Bose-Fermi Kondo model. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 83-85.	2.7	3
198	Dynamic zero modes of Dirac fermions and competing singlet phases of antiferromagnetic order. <i>Physical Review B</i> , 2017, 95, .	3.2	3

#	ARTICLE	IF	CITATIONS
199	Fractionalized Excitations Revealed by Entanglement Entropy. Physical Review Letters, 2020, 124, 237201.	7.8	3
200	Hall-coefficient diagnostics of the surface state in pressurized SmB_6 . Physical Review B, 2020, 101, .	3.2	3
201	Critical Kondo destruction and the violation of the quantum-to-classical mapping of quantum criticality. Physica B: Condensed Matter, 2009, 404, 2904-2907.	2.7	2
202	Weyl Kondo Semimetal: Towards Control of Weyl Nodes. , 2020, , .		2
203	Critical local moment fluctuations and enhanced pairing correlations in a cluster Anderson model. Physical Review B, 2020, 101, .	3.2	2
204	Si and Varma Reply.. Physical Review Letters, 2000, 84, 4780-4780.	7.8	1
205	Effects of Magnetic Collective Modes in the Tunneling Spectra of High-Tc Superconductors. International Journal of Modern Physics B, 2003, 17, 3473-3478.	2.0	1
206	Global phase diagram of a spin-orbit-coupled Kondo lattice model on the honeycomb lattice*. Chinese Physics B, 2019, 28, 077102.	1.4	1
207	Metallic copper oxide as an almost localized fermi liquid. Physica B: Condensed Matter, 1990, 163, 275-277.	2.7	0
208	The Bose-Fermi Kondo model in an exactly solvable limit. Physica B: Condensed Matter, 2008, 403, 1242-1244.	2.7	0
209	Hidden is more. Nature, 2013, 493, 619-620.	27.8	0
210	Quantum critical dynamics for a prototype class of insulating antiferromagnets. Physical Review B, 2018, 97, .	3.2	0
211	The many faces (phases) of strong correlations. Europhysics News, 2021, 52, 30-34.	0.3	0