Shiping Feng

List of Publications by Year
in descending order

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121 papers	1,555 citations	394421 19 h-index	361022 35 g-index
121 all docs	121 docs citations	121 times ranked	619 citing authors

#	Article	IF	Citations
1	Quantum Monte Carlo study of topological phases on a spin analogue of Benalcazarâ€“Bernevigâ€“Hughes model. Journal of Physics Condensed Matter, 2022, 34, 035603.	1.8	7
2	Revealing sign-reversal s+â˜’ -wave pairing by quasiparticle interference in the heavy-fermion superconductor CeCu2Si2. Physical Review B, 2022, 105, .	3.2	1
3	Enhancement of superconductivity by electronic nematicity in cuprate superconductors. Philosophical Magazine, 2022, 102, 918-962.	1.6	3
4	Superconducting pairing symmetry in the kagome-lattice Hubbard model. Physical Review B, 2022, 105, .	3.2	14
5	Unconventional ferromagnetism and spin-triplet superconductivity in the imbalanced kagome-lattice Hubbard model. Physical Review B, 2022, 105, .	3.2	3
6	Anisotropic dressing of electrons in electron-doped cuprate superconductors. Physical Review B, 2021, 103, .	3.2	4
7	Peak structure in the self-energy of cuprate superconductors. Physical Review B, 2021, 103, .	3.2	7
8	Quantum phase transitions of interacting bosons on hyperbolic lattices. Journal of Physics Condensed Matter, 2021, 33, 335602.	1.8	18
9	Quantum Monte Carlo study of honeycomb antiferromagnets under a triaxial strain. Physical Review B, 2021, 104, .	3.2	8
10	Supersolid phase induced by artificial gauge fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 185302.	1.5	1
11	Doping dependence of thermopower in cuprate superconductors. Modern Physics Letters B, 2021, 35, 2150034.	1.9	1
12	Magnon Landau levels in the strained antiferromagnetic honeycomb nanoribbons. Physical Review Research, 2021, 3, .	3.6	8
13	Characteristic energy of the nematic-order state and its connection to enhancement of superconductivity in cuprate superconductors. Physical Review B, 2021, 104, .	3.2	3
14	Doping Dependence of Electromagnetic Response in Cuprate Superconductors. Journal of Superconductivity and Novel Magnetism, 2020, 33, 69-79.	1.8	3
15	ARPES Autocorrelation in Electron-Doped Cuprate Superconductors. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2305-2311.	1.8	4
16	Antiferromagnetic transitions of Dirac fermions in three dimensions. Physical Review B, 2020, 102, .	3.2	3
17	Hard-core bosonic domain walls on a honeycomb lattice. Physical Review A, 2020, 101, .	2.5	1
18	Anomalous electron quasiparticle excitation spectrum in electron-doped cuprate superconductors. Modern Physics Letters B, 2020, 34, 2040053.	1.9	2

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19	Renormalization of electrons in bilayer cuprate superconductors. Physica C: Superconductivity and Its Applications, 2020, 576, 1353661.	1.2	4
20	Self-organized bosonic domain walls. Physical Review Research, 2020, 2, .	3.6	2
21	Doping and momentum dependence of coupling strength in cuprate superconductors. Philosophical Magazine, 2019, 99, 2718-2735.	1.6	3
22	Doublon-holon excitations split by Hund's rule coupling within the orbital-selective Mott phase. Physical Review B, 2019, 100, .	3.2	6
23	Hidden Pair-Density-Wave Order in Cuprate Superconductors. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2745-2749.	1.8	5
24	Quantum magnetism of topologically-designed graphene nanoribbons. Journal of Physics Condensed Matter, 2019, 31, 505601.	1.8	3
25	Autocorrelation of quasiparticle spectral intensities and its connection with quasiparticle scattering interference in cuprate superconductors. Philosophical Magazine, 2019, 99, 752-769.	1.6	12
26	Anomalous Electron Spectrum and Its Relation to Peak Structure of Electron Scattering Rate in Cuprate Superconductors. Journal of Low Temperature Physics, 2018, 192, 19-32.	1.4	9
27	Asymmetric doping dependence of superconductivity between hole- and electron-doped triangular-lattice superconductors. Modern Physics Letters B, 2018, 32, 1850122.	1.9	1
28	Correlation between charge-order state and next nearest-neighbor hopping in electron-doped cuprate superconductors. International Journal of Modern Physics B, 2018, 32, 1840027.	2.0	2
29	Correlation Between Charge Order and Second-Neighbor Hopping in Cuprate Superconductors. Journal of Superconductivity and Novel Magnetism, 2018, 31, 683-687.	1.8	6
30	Interplay between charge order and superconductivity in cuprate superconductors. Physica C: Superconductivity and Its Applications, 2018, 551, 72-81.	1.2	12
31	Pairing symmetry of interacting fermions on a twisted bilayer graphene superlattice. Physical Review B, 2018, 97, .	3.2	141
32	Pseudogap-generated a coexistence of Fermi arcs and Fermi pockets in cuprate superconductors. Physica C: Superconductivity and Its Applications, 2017, 534, 1-8.	1.2	14
33	Pseudogap-induced anisotropic suppression of electronic Raman response in cuprate superconductors. Philosophical Magazine Letters, 2017, 97, 206-215.	1.2	6
34	Doping dependence of charge order in electron-doped cuprate superconductors. Philosophical Magazine, 2017, 97, 3361-3380.	1.6	13
35	Momentum and Doping Dependence of Spin Excitations in Electron-Doped Cuprate Superconductors. Journal of Low Temperature Physics, 2017, 187, 273-286.	1.4	1
36	Nature of charge order in cuprate superconductors. International Journal of Modern Physics B, 2016, 30, 1642005.	2.0	0

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37	Charge order driven by Fermi-arc instability and its connection with pseudogap in cuprate superconductors. Philosophical Magazine, 2016, 96, 1245-1262.	1.6	20
38	Thermodynamic Properties in Triangular-Lattice Superconductors. Journal of Low Temperature Physics, 2016, 183, 329-341.	1.4	2
39	Charge Order and Peak-dip-hump Structure in Pseudogap Phase of Cuprate Superconductors. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3027-3030.	1.8	3
40	Bosonic edge states in gapped honeycomb lattices. Physical Review B, 2016, 93, .	3.2	9
41	Electron doping evolution of structural and antiferromagnetic phase transitions inNaFe1â^'xCoxAsiron pnictides. Physical Review B, 2016, 94, .	3.2	13
42	Charge dynamics in doped Mott insulators on a honeycomb lattice. Modern Physics Letters B, 2016, 30, 1650107.	1.9	1
43	Spatial modulation of unitary impurity-induced resonances in superconducting CeCoIn5. Frontiers of Physics, 2016, 11, 1.	5.0	3
44	Evolution of electron Fermi surface with doping in cobaltates. Journal of Physics Condensed Matter, 2016, 28, 335601.	1.8	2
45	High-energy magnetic excitations in cuprate superconductors. International Journal of Modern Physics B, 2015, 29, 1542001.	2.0	0
46	Dynamical spin response in cuprate superconductors from low-energy to high-energy. Journal of Magnetism and Magnetic Materials, 2015, 374, 624-633.	2.3	6
47	Doping Dependence of Meissner Effect in Triangular-Lattice Superconductors. Journal of Low Temperature Physics, 2015, 181, 112-133.	1.4	4
48	Electron-momentum distribution of cuprate superconductors in a full charge-spin recombination scheme. Modern Physics Letters B, 2015, 29, 1550178.	1.9	2
49	Kinetic-energy-driven superconductivity in cuprate superconductors. International Journal of Modern Physics B, 2015, 29, 1530009.	2.0	47
50	Electronic structure of cuprate superconductors in a full charge-spin recombination scheme. Physica C: Superconductivity and Its Applications, 2015, 517, 5-15.	1.2	26
51	Pseudogap and charge dynamics in doped cuprates. Physica C: Superconductivity and Its Applications, 2014, 497, 77-83.	1.2	5
52	Effect of the pseudogap on the infrared response in cuprate superconductors. Philosophical Magazine Letters, 2014, 94, 387-394.	1.2	3
53	Pseudogap-induced asymmetric tunneling in cuprate superconductors. Physica C: Superconductivity and Its Applications, 2014, 501, 62-67.	1.2	2
54	Interplay between superconductivity and pseudogap state in bilayer cuprate superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2210-2215.	2.1	5

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55	Doping dependence of electromagnetic response in electron-doped cuprate superconductors. Physica C: Superconductivity and Its Applications, 2013, 485, 132-136.	1.2	0
56	ELECTRONIC RAMAN SCATTERING IN CUPRATE SUPERCONDUCTORS. Modern Physics Letters B, 2013, 27, 1330006.	1.9	0
57	Why there is a difference between optimal doping for maximal and critical doping for highest in cuprate superconductors?. Solid State Communications, 2013, 165, 55-58.	1.9	4
58	Two gaps with one energy scale in cuprate superconductors. Physical Review B, 2012, 85, .	3.2	33
59	Publisher's Note: Two gaps with one energy scale in cuprate superconductors [Phys. Rev. B85, 054509 (2012)]. Physical Review B, 2012, 85, .	3.2	11
60	THERMODYNAMICAL PROPERTIES OF A TRAPPED INTERACTING BOSE GAS. Modern Physics Letters B, 2012, 26, 1250053.	1.9	1
61	Pseudogap and its connection to particleâ€“hole asymmetry electronic state and Fermi arcs in cuprate superconductors. Physica C: Superconductivity and Its Applications, 2012, 483, 225-232.	1.2	3
62	Fractional topological phase in one-dimensional flat bands with nontrivial topology. Physical Review B, 2012, 86, .	3.2	37
63	Magnetic Field Dependence of Penetration Depth in Kinetic Energy Driven Cuprate Superconductors. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1235-1238.	1.8	1
64	Doping dependence of thermodynamic properties in cuprate superconductors. Physica C: Superconductivity and Its Applications, 2012, 478, 49-55.	1.2	8
65	Doping Dependence of Magnetic Field Penetration Depth inÂKinetic Energy Driven Cuprate Superconductors. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1161-1163.	1.8	0
66	Electronic Raman response in electron-doped cuprate superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3329-3334.	2.1	5
67	Spin dynamics in the pressure-induced two-leg ladder cuprate superconductor Sr_{14â^'x}Ca_xCu₂₄O₄₁. Journal of Physics Condensed Matter, 2011, 23, 345701.	1.8	2
68	Quantum spin Hall effect induced by nonmagnetic and magnetic staggered potentials. Physical Review B, 2011, 83, .	3.2	30
69	Magnetic-field-induced reduction of the low-temperature superfluid density in cuprate superconductors. Physical Review B, 2011, 83, .	3.2	13
70	Electronic structure of the out-of-plane impurity-controlled cuprate superconductors. Physica C: Superconductivity and Its Applications, 2010, 470, S255-S256.	1.2	0
71	Quasiparticle scattering interference in kinetic energy driven superconductors. Physica C: Superconductivity and Its Applications, 2010, 470, S253-S254.	1.2	0
72	Doping dependence of Meissner effect in cuprate superconductors. Physica C: Superconductivity and Its Applications, 2010, 470, 1968-1976.	1.2	13

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73	Anisotropy in Microwave Conductivity of the Ortho-II YBa2Cu3O6.50 Induced by CuO Chain Impurities. Journal of Superconductivity and Novel Magnetism, 2010, 23, 675-677.	1.8	0
74	Electromagnetic response in kinetic energy driven cuprate superconductors: Linear response approach. Physica C: Superconductivity and Its Applications, 2010, 470, 407-414.	1.2	7
75	Momentum dependence of quasiparticle spectrum and Bogoliubov angle in cuprate superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 632-636.	2.1	8
76	Extinction of quasiparticle scattering interference in cuprate superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3084-3091.	2.1	5
77	Doping and temperature dependence of electronic Raman response in cuprate superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 375, 214-219.	2.1	7
78	DOPING AND TEMPERATURE DEPENDENCE OF SUPERFLUID DENSITY IN KINETIC ENERGY DRIVEN CUPRATE SUPERCONDUCTORS. Modern Physics Letters B, 2010, 24, 2845-2854.	1.9	1
79	Out-of-plane impurities induce deviations from the monotonicd-wave superconducting gap of cuprate superconductors. Physical Review B, 2009, 80, .	3.2	8
80	Anisotropic microwave conductivity of cuprate superconductors in the presence of CuO chain-induced impurities. Physical Review B, 2009, 80, .	3.2	8
81	Effect of the External Magnetic Field on the Resonance Scattering in Cuprate Superconductors. Journal of Superconductivity and Novel Magnetism, 2009, 22, 41-44.	1.8	0
82	Evolution of spin dynamics in electron-doped cuprate superconductors. Journal of Physics and Chemistry of Solids, 2008, 69, 3139-3141.	4.0	0
83	Doping and energy dependent microwave conductivity of kinetic energy driven superconductors with extended impurities. Physica C: Superconductivity and Its Applications, 2008, 468, 1078-1084.	1.2	12
84	ELECTRONIC STRUCTURE OF KINETIC ENERGY DRIVEN CUPRATE SUPERCONDUCTORS. International Journal of Modern Physics B, 2008, 22, 3757-3811.	2.0	37
85	Solitons and vortices in an evolving Bose-Einstein condensate. Physical Review A, 2008, 77, .	2.5	11
86	Doping and energy evolution of spin dynamics in the electron-doped cuprate superconductorPr0.88LaCe0.12CuO4â^Ì´. Physical Review B, 2008, 77, .	3.2	12
87	QUASIPARTICLE SPECTRAL WEIGHT OF KINETIC ENERGY DRIVEN D-WAVE SUPERCONDUCTORS. International Journal of Modern Physics B, 2007, 21, 3108-3111.	2.0	0
88	Doping and temperature dependence of electron spectrum and quasiparticle dispersion in doped bilayer cuprates. Physical Review B, 2007, 75, .	3.2	9
89	Electronic structure of kinetic energy driven superconductors in the presence of bilayer splitting. Physical Review B, 2007, 76, .	3.2	18
90	Generating ring dark solitons in an evolving Bose-Einstein condensate. Physical Review A, 2007, 76, .	2.5	20

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91	Electronic structure of kinetic energy driven superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 361, 382-390.	2.1	39
92	Electronic structure of the electron-doped cuprate superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 366, 137-144.	2.1	6
93	Pressure dependence of superconductivity in doped two-leg ladder cuprates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 366, 611-614.	2.1	4
94	Magnetic nature of superconductivity in doped cuprates. Physica C: Superconductivity and Its Applications, 2006, 436, 14-24.	1.2	77
95	Enhancement of superconducting transition temperature by the additional second neighbor hopping in the model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 350, 138-146.	2.1	17
96	Enhancement of commensurate magnetic resonance energy by the additional second neighbor hopping in cuprate superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 352, 438-445.	2.1	7
97	Asymmetry of the electron spectrum in hole-doped and electron-doped cuprates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 355, 473-480.	2.1	12
98	Superconductivity in doped two-leg ladder cuprates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 358, 448-456.	2.1	5
99	Thermal conductivity in the doped two-leg ladder antiferromagnet Sr14â^'xCaxCu24O41. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 335, 477-485.	2.1	3
100	UNUSUAL c-AXIS CHARGE TRANSPORT IN THE ELECTRON DOPED COBALTATE. International Journal of Modern Physics B, 2005, 19, 69-72.	2.0	0
101	CHARGE TRANSPORT IN ELECTRON-DOPED CUPRATES. International Journal of Modern Physics B, 2005, 19, 59-61.	2.0	1
102	HEAT TRANSPORT IN HOLE-DOPED TWO-LEG LADDER ANTIFERROMAGNET. International Journal of Modern Physics B, 2005, 19, 111-114.	2.0	1
103	SUPERCONDUCTIVITY IN NaxCoO2Â·yH2O DRIVEN BY THE KINETIC ENERGY. International Journal of Modern Physics B, 2005, 19, 73-75.	2.0	5
104	UNUSUAL c-AXIS CHARGE DYNAMICS IN UNDERDOPED CUPRATES. International Journal of Modern Physics B, 2005, 19, 95-98.	2.0	1
105	A gauge invariant dressed holon and spinon description of the normal state of underdoped cuprates. Journal of Physics Condensed Matter, 2004, 16, 343-359.	1.8	99
106	INTERPLAY BETWEEN SINGLE PARTICLE COHERENCE AND KINETIC ENERGY DRIVEN SUPERCONDUCTIVITY IN DOPED CUPRATES. Modern Physics Letters B, 2004, 18, 895-907.	1.9	9
107	Kinetic energy driven superconductivity in doped cuprates. Physical Review B, 2003, 68, .	3.2	99
108	Energy dependence of commensurate neutron scattering peak in the doped two-leg ladder antiferromagnetSr14â^'xCaxCu24O41. Physical Review B, 2003, 67, .	3.2	5

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109	GAUGE INVARIANT DRESSED HOLON AND SPINON IN DOPED CUPRATES. Modern Physics Letters B, 2003, 17, 361-373.	1.9	33
110	Optical and transport properties in a doped two-leg ladder antiferromagnet. Physical Review B, 2002, 65, .	3.2	7
111	Doping and temperature dependence of incommensurate antiferromagnetism in underdoped lanthanum cuprates. Physical Review B, 2001, 64, .	3.2	18
112	Universal spin response in copper oxide materials. Physical Review B, 1998, 57, 10328-10331.	3.2	13
113	Spin-Liquid State for Two-Dimensional Heisenberg Antiferromagnets on a Triangular Lattice. Modern Physics Letters B, 1998, 12, 677-683.	1.9	5
114	Charge dynamics of copper oxide materials. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 232, 293-298.	2.1	25
115	ESTIMATION OF THE DOPING DEPENDENCE OF ANTIFERROMAGNETISM IN THE COPPER OXIDE MATERIAL. Modern Physics Letters B, 1996, 10, 1301-1309.	1.9	7
116	Fermion-spin transformation to implement the charge-spin separation. Physical Review B, 1994, 49, 2368-2384.	3.2	90
117	A NEW FERMION-SPIN TRANSFORMATION TO IMPLEMENT THE CHARGE-SPIN SEPARATION. Modern Physics Letters B, 1993, 07, 1013-1019.	1.9	19
118	Slave-particle studies of the electron-momentum distribution in the low-dimensionalt-Jmodel. Physical Review B, 1993, 47, 15192-15200.	3.2	34
119	Resonating-valence-bond wave function for the two-dimensional Heisenberg model on a triangular lattice. Physical Review B, 1990, 41, 11110-11113.	3.2	27
120	Doping dependence of antiferromagnetism inLa2CuO4: A numerical study based on a resonating-valence-bond state. Physical Review B, 1988, 38, 11809-11812.	3.2	79
121	Renormalization of Dispersion in Electron-Doped Bilayer Cuprate Superconductors. Journal of Low Temperature Physics, 0, , 1.	1.4	0