

Hui Hu

List of Publications by Year in descending order

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183
papers

6,059
citations

57631

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183
all docs

183
docs citations

183
times ranked

2238
citing authors

#	ARTICLE	IF	CITATIONS
1	A one-dimensional liquid of fermions with tunable spin. Nature Physics, 2014, 10, 198-201.	6.5	323
2	Spin-Orbit Coupled Weakly Interacting Bose-Einstein Condensates in Harmonic Traps. Physical Review Letters, 2012, 108, 010402.	2.9	273
3	Phase Diagram of a Strongly Interacting Polarized Fermi Gas in One Dimension. Physical Review Letters, 2007, 98, 070403.	2.9	205
4	Probing Anisotropic Superfluidity in Atomic Fermi Gases with Rashba Spin-Orbit Coupling. Physical Review Letters, 2011, 107, 195304.	2.9	194
5	Equation of state of a superfluid Fermi gas in the BCS-BEC crossover. Europhysics Letters, 2006, 74, 574-580.	0.7	165
6	Universal Behavior of Pair Correlations in a Strongly Interacting Fermi Gas. Physical Review Letters, 2010, 105, 070402.	2.9	158
7	Virial Expansion for a Strongly Correlated Fermi Gas. Physical Review Letters, 2009, 102, 160401.	2.9	144
8	Half-quantum vortex state in a spin-orbit-coupled Bose-Einstein condensate. Physical Review A, 2012, 85, .	1.0	143
9	Collective Modes and Ballistic Expansion of a Fermi Gas in the BCS-BEC Crossover. Physical Review Letters, 2004, 93, 190403.	2.9	130
10	Universal thermodynamics of strongly interacting Fermi gases. Nature Physics, 2007, 3, 469-472.	6.5	125
11	Crossover from 2D to 3D in a Weakly Interacting Fermi Gas. Physical Review Letters, 2011, 106, 105304.	2.9	113
12	Mean-field phase diagrams of imbalanced Fermi gases near a Feshbach resonance. Physical Review A, 2006, 73, .	1.0	111
13	Fulde-Ferrell-Larkin-Ovchinnikov states in one-dimensional spin-polarized ultracold atomic Fermi gases. Physical Review A, 2007, 76, .	1.0	105
14	Precise Determination of the Structure Factor and Contact in a Unitary Fermi Gas. Physical Review Letters, 2013, 110, 055305.	2.9	96
15	Aharonov-Bohm effect of excitons in nanorings. Physical Review B, 2001, 63, .	1.1	83
16	Thermodynamics of an Attractive 2D Fermi Gas. Physical Review Letters, 2016, 116, 045302.	2.9	83
17	Three attractively interacting fermions in a harmonic trap: Exact solution, ferromagnetism, and high-temperature thermodynamics. Physical Review A, 2010, 82, .	1.0	82
18	Probing Majorana fermions in spin-orbit-coupled atomic Fermi gases. Physical Review A, 2012, 85, .	1.0	78

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19	Rashba spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2011, 84, .	1.0	77
20	Topological superfluid in one-dimensional spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2012, 85, .	1.0	76
21	Pseudogap Pairing in Ultracold Fermi Atoms. <i>Physical Review Letters</i> , 2010, 104, 240407.	2.9	74
22	Quantum fluctuations in the BCS-BEC crossover of two-dimensional Fermi gases. <i>Physical Review A</i> , 2015, 92, .	1.0	73
23	Temperature Dependence of the Universal Contact Parameter in a Unitary Fermi Gas. <i>Physical Review Letters</i> , 2011, 106, 170402.	2.9	71
24	Exact few-body results for strongly correlated quantum gases in two dimensions. <i>Physical Review B</i> , 2010, 82, .	1.1	68
25	Phase diagram of a non-Abelian Aubry-Andr�-Harper model with p -wave superfluidity. <i>Physical Review B</i> , 2016, 93, .	1.1	67
26	BCS-BEC crossover in an asymmetric two-component Fermi gas. <i>Europhysics Letters</i> , 2006, 75, 364-370.	0.7	62
27	Finite-temperature phase diagram of a spin-polarized ultracold Fermi gas in a highly elongated harmonic trap. <i>Physical Review A</i> , 2008, 78, .	1.0	61
28	FERMI GASES WITH SYNTHETIC SPIN-ORBIT COUPLING. <i>Annual Review of Cold Atoms and Molecules</i> , 2014, , 81-143.	2.8	60
29	Universal contact of strongly interacting fermions at finite temperatures. <i>New Journal of Physics</i> , 2011, 13, 035007.	1.2	59
30	Universal thermodynamics of a strongly interacting Fermi gas: theory versus experiment. <i>New Journal of Physics</i> , 2010, 12, 063038.	1.2	57
31	Tunneling into Multiwalled Carbon Nanotubes: Coulomb Blockade and the Fano Resonance. <i>Physical Review Letters</i> , 2003, 91, 076801.	2.9	54
32	Temperature of a trapped unitary Fermi gas at finite entropy. <i>Physical Review A</i> , 2006, 73, .	1.0	53
33	Signature of Mott-Insulator Transition with Ultracold Fermions in a One-Dimensional Optical Lattice. <i>Physical Review Letters</i> , 2005, 94, 136406.	2.9	51
34	Self-consistent theory of atomic Fermi gases with a Feshbach resonance at the superfluid transition. <i>Physical Review A</i> , 2005, 72, .	1.0	50
35	Mean-field thermodynamics of a spin-polarized spherically trapped Fermi gas at unitarity. <i>Physical Review A</i> , 2007, 75, .	1.0	50
36	Comparative study of strong-coupling theories of a trapped Fermi gas at unitarity. <i>Physical Review A</i> , 2008, 77, .	1.0	50

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37	Finite-momentum dimer bound state in a spin-orbit-coupled Fermi gas. <i>Physical Review A</i> , 2013, 87, .	1.0	50
38	Radio-frequency spectroscopy of a strongly interacting spin-orbit-coupled Fermi gas. <i>Physical Review A</i> , 2013, 87, .	1.0	50
39	Mesoscopic Kondo Screening Effect in a Single-Electron Transistor Embedded in a Metallic Ring. <i>Physical Review Letters</i> , 2001, 86, 5558-5561.	2.9	49
40	Topological Fulde-Ferrell superfluid in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2013, 88, .	1.0	49
41	Universal Impurity-Induced Bound State in Topological Superfluids. <i>Physical Review Letters</i> , 2013, 110, 020401.	2.9	48
42	First and second sound in a strongly interacting Fermi gas. <i>Physical Review A</i> , 2009, 80, .	1.0	46
43	Collisionless and hydrodynamic excitations of trapped boson-fermion mixtures. <i>Physical Review A</i> , 2003, 67, .	1.0	45
44	Contact and Sum Rules in a Near-Uniform Fermi Gas at Unitarity. <i>Physical Review Letters</i> , 2019, 122, 203401.	2.9	44
45	Gapless Topological Fulde-Ferrell Superfluidity in Spin-Orbit Coupled Fermi Gases. <i>Physical Review Letters</i> , 2014, 113, 115302.	2.9	43
46	Marginal Fermi Liquid Resonance Induced by a Quantum Magnetic Impurity in d-Wave Superconductors. <i>Physical Review Letters</i> , 2001, 86, 704-707.	2.9	41
47	Attractive Fermi polarons at nonzero temperatures with a finite impurity concentration. <i>Physical Review A</i> , 2018, 98, .	1.0	41
48	Density distribution of a trapped two-dimensional strongly interacting Fermi gas. <i>New Journal of Physics</i> , 2011, 13, 113032.	1.2	40
49	Single impurity in ultracold Fermi superfluids. <i>Physical Review A</i> , 2011, 83, .	1.0	40
50	Consistent Theory of Self-Bound Quantum Droplets with Bosonic Pairing. <i>Physical Review Letters</i> , 2020, 125, 195302.	2.9	39
51	Confinement-induced resonances in anharmonic waveguides. <i>Physical Review A</i> , 2011, 84, .	1.0	36
52	Inhomogeneous Fulde-Ferrell superfluidity in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2013, 87, .	1.0	36
53	Strongly correlated Fermi superfluid near an orbital Feshbach resonance: Stability, equation of state, and Leggett mode. <i>Physical Review A</i> , 2016, 94, .	1.0	33
54	Confinement-induced resonance in quasi-one-dimensional systems under transversely anisotropic confinement. <i>Physical Review A</i> , 2010, 82, .	1.0	32

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55	Second sound and the density response function in uniform superfluid atomic gases. <i>New Journal of Physics</i> , 2010, 12, 043040.	1.2	31
56	Multicomponent strongly attractive Fermi gas: A color superconductor in a one-dimensional harmonic trap. <i>Physical Review A</i> , 2008, 77, .	1.0	30
57	Static structure factor of a strongly correlated Fermi gas at large momenta. <i>Europhysics Letters</i> , 2010, 91, 20005.	0.7	30
58	Microscopic pairing theory of a binary Bose mixture with interspecies attractions: Bosonic BEC-BCS crossover and ultradilute low-dimensional quantum droplets. <i>Physical Review A</i> , 2020, 102, .	1.0	30
59	Optical control of a magnetic Feshbach resonance in an ultracold Fermi gas. <i>Physical Review A</i> , 2013, 88, .	1.0	28
60	Large-momentum distribution of a polarized Fermi gas and p -wave contacts. <i>Physical Review A</i> , 2016, 94, .	1.0	28
61	Reduced Quantum Anomaly in a Quasi-Two-Dimensional Fermi Superfluid: Significance of the Confinement-Induced Effective Range of Interactions. <i>Physical Review Letters</i> , 2019, 122, 070401.	2.9	28
62	Energy levels and far-infrared spectroscopy for two electrons in a nanoscopic semiconductor ring. <i>Physical Review B</i> , 2000, 62, 16777-16783.	1.1	27
63	Critical temperature of a Rashba spin-orbit-coupled Bose gas in a harmonic trap. <i>Physical Review A</i> , 2012, 85, .	1.0	27
64	Criteria for two-dimensional kinematics in an interacting Fermi gas. <i>Physical Review A</i> , 2016, 93, .	1.0	27
65	Collective excitations of a spherical ultradilute quantum droplet. <i>Physical Review A</i> , 2020, 102, .	1.0	27
66	Valence-Bond Spin-Liquid State in Two-Dimensional Frustrated Spin-1/2 Heisenberg Antiferromagnets. <i>Physical Review Letters</i> , 2003, 91, 067201.	2.9	26
67	Finite-temperature effects on the collapse of trapped Bose-Fermi mixtures. <i>Physical Review A</i> , 2003, 68, .	1.0	26
68	Comparison of strong-coupling theories for a two-dimensional Fermi gas. <i>Physical Review A</i> , 2015, 92, .	1.0	26
69	Superfluid density and critical velocity near the Berezinskii-Kosterlitz-Thouless transition in a two-dimensional strongly interacting Fermi gas. <i>Physical Review A</i> , 2017, 96, .	1.0	26
70	Variational theory of two-fluid hydrodynamic modes at unitarity. <i>Physical Review A</i> , 2008, 77, .	1.0	25
71	Virial expansion for a strongly correlated Fermi gas with imbalanced spin populations. <i>Physical Review A</i> , 2010, 82, .	1.0	24
72	Collective oscillations of a confined Bose gas at finite temperature in the random-phase approximation. <i>Physical Review A</i> , 2004, 69, .	1.0	23

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73	Quantitative comparison between theoretical predictions and experimental results for Bragg spectroscopy of a strongly interacting Fermi superfluid. <i>Physical Review A</i> , 2010, 82, .	1.0	23
74	Quantum depletion and superfluid density of a supersolid in Raman spin-orbit-coupled Bose gases. <i>Physical Review A</i> , 2018, 98, .	1.0	23
75	Visualization of Vortex Bound States in Polarized Fermi Gases at Unitarity. <i>Physical Review Letters</i> , 2007, 98, 060406.	2.9	22
76	Breakdown of the Fermi polaron description near Fermi degeneracy at unitarity. <i>Annals of Physics</i> , 2019, 407, 29-45.	1.0	22
77	Anderson localization transition in a robust PT -symmetric phase of a generalized Aubry-Andr� model. <i>Physical Review A</i> , 2021, 103, .	1.0	22
78	Universal dynamic structure factor of a strongly correlated Fermi gas. <i>Physical Review A</i> , 2012, 85, .	1.0	21
79	Emergence of topological and strongly correlated ground states in trapped Rashba spin-orbit-coupled Bose gases. <i>Physical Review A</i> , 2013, 87, .	1.0	21
80	Fragmented Condensate Ground State of Trapped Weakly Interacting Bosons in Two Dimensions. <i>Physical Review Letters</i> , 2001, 87, 030404.	2.9	20
81	Expansion of a quantum degenerate boson-fermion mixture. <i>Physical Review A</i> , 2003, 67, .	1.0	20
82	Studies of the universal contact in a strongly interacting Fermi gas using Bragg spectroscopy. <i>New Journal of Physics</i> , 2011, 13, 055010.	1.2	20
83	Collective modes of a one-dimensional trapped atomic Bose gas at finite temperatures. <i>Physical Review A</i> , 2014, 90, .	1.0	20
84	Gapless topological Fulde-Ferrell superfluidity induced by an in-plane Zeeman field. <i>Physical Review A</i> , 2014, 90, .	1.0	20
85	Stoner ferromagnetism of a strongly interacting Fermi gas in the quasirepulsive regime. <i>Physical Review A</i> , 2016, 93, .	1.0	20
86	Thermodynamics of a trapped Bose-Fermi mixture. <i>Physical Review A</i> , 2003, 68, .	1.0	19
87	Dynamic response of strongly correlated Fermi gases in the quantum virial expansion. <i>Physical Review A</i> , 2010, 81, .	1.0	19
88	Collective modes of a harmonically trapped one-dimensional Bose gas: The effects of finite particle number and nonzero temperature. <i>Physical Review A</i> , 2015, 91, .	1.0	19
89	Many-body localization in Ising models with random long-range interactions. <i>Physical Review A</i> , 2016, 94, .	1.0	19
90	BCS-BEC crossover at finite temperature in spin-orbit-coupled Fermi gases. <i>Physical Review A</i> , 2013, 87, .	1.0	18

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91	Radio-frequency spectroscopy of weakly bound molecules in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2012, 86, .	1.0	16
92	Realizing Fulde-Ferrell Superfluids via a Dark-State Control of Feshbach Resonances. <i>Physical Review Letters</i> , 2018, 120, 045302.	2.9	16
93	Microscopic derivation of the extended Gross-Pitaevskii equation for quantum droplets in binary Bose mixtures. <i>Physical Review A</i> , 2020, 102, .	1.0	16
94	Momentum-resolved radio-frequency spectroscopy of a spin-orbit-coupled atomic Fermi gas near a Feshbach resonance in harmonic traps. <i>Physical Review A</i> , 2012, 86, .	1.0	15
95	Ultracold Fermi Gases with Resonant Dipole-Dipole Interaction. <i>Physical Review Letters</i> , 2013, 110, 045301.	2.9	15
96	Quantum fluctuations in a strongly interacting Bardeen-Cooper-Schrieffer polariton condensate at thermal equilibrium. <i>Physical Review A</i> , 2020, 101, .	1.0	15
97	Thermal destabilization of self-bound ultradilute quantum droplets. <i>New Journal of Physics</i> , 2020, 22, 103044.	1.2	15
98	Second sound attenuation near quantum criticality. <i>Science</i> , 2022, 375, 528-533.	6.0	15
99	Crossover polarons in a strongly interacting Fermi superfluid. <i>Physical Review A</i> , 2022, 105, .	1.0	15
100	Heavy polarons in ultracold atomic Fermi superfluids at the BEC-BCS crossover: Formalism and applications. <i>Physical Review A</i> , 2022, 105, .	1.0	15
101	Fulde-Ferrell superfluidity in ultracold Fermi gases with Rashba spin-orbit coupling. <i>New Journal of Physics</i> , 2013, 15, 093037.	1.2	14
102	Superfluid density and Berezinskii-Kosterlitz-Thouless transition of a spin-orbit-coupled Fulde-Ferrell superfluid. <i>Physical Review A</i> , 2015, 91, .	1.0	14
103	Low-momentum dynamic structure factor of a strongly interacting Fermi gas at finite temperature: A two-fluid hydrodynamic description. <i>Physical Review A</i> , 2018, 97, .	1.0	14
104	Low-momentum dynamic structure factor of a strongly interacting Fermi gas at finite temperature: The Goldstone phonon and its Landau damping. <i>Physical Review A</i> , 2018, 98, .	1.0	14
105	Many-body localization in XY spin chains with long-range interactions: An exact-diagonalization study. <i>Physical Review A</i> , 2019, 100, .	1.0	14
106	Exact Quasiparticle Properties of a Heavy Polaron in BCS Fermi Superfluids. <i>Physical Review Letters</i> , 2022, 128, 175301.	2.9	14
107	Low-energy exciton states in a nanoscopic semiconducting ring. <i>Physical Review B</i> , 2001, 63, .	1.1	13
108	Three-dimensional spin-orbit coupled Fermi gases: Fulde-Ferrell pairing, Majorana fermions, Weyl fermions, and gapless topological superfluidity. <i>Chinese Physics B</i> , 2015, 24, 050502.	0.7	13

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109	Two-band description of resonant superfluidity in atomic Fermi gases. <i>Physical Review A</i> , 2015, 91, .	1.0	13
110	Fermi polaron in a one-dimensional quasiperiodic optical lattice: The simplest many-body localization challenge. <i>Physical Review A</i> , 2016, 93, .	1.0	13
111	Strongly interacting Sarma superfluid near orbital Feshbach resonances. <i>Physical Review A</i> , 2018, 97, .	1.0	13
112	Collective modes of a two-dimensional Fermi gas at finite temperature. <i>Physical Review A</i> , 2018, 97, .	1.0	13
113	Angular stripe phase in spin-orbital-angular-momentum coupled Bose condensates. <i>Physical Review Research</i> , 2020, 2, .	1.3	13
114	Finite-temperature excitations of a trapped Bose-Fermi mixture. <i>Physical Review A</i> , 2003, 68, .	1.0	12
115	Traveling Majorana Solitons in a Low-Dimensional Spin-Orbit-Coupled Fermi Superfluid. <i>Physical Review Letters</i> , 2016, 117, 225302.	2.9	12
116	Larkin-Ovchinnikov superfluidity in a two-dimensional imbalanced atomic Fermi gas. <i>Physical Review A</i> , 2017, 95, .	1.0	12
117	Ground-state properties of a trapped few-boson system under rotation: Beyond the "lowest-Landau-level" approximation. <i>Physical Review A</i> , 2001, 64, .	1.0	11
118	Mean-field study of itinerant ferromagnetism in trapped ultracold Fermi gases: Beyond the local-density approximation. <i>Physical Review A</i> , 2010, 82, .	1.0	11
119	Spin-orbit-coupled topological Fulde-Ferrell states of fermions in a harmonic trap. <i>Physical Review A</i> , 2014, 90, .	1.0	11
120	Anderson localization of Cooper pairs and Majorana fermions in an ultracold atomic Fermi gas with synthetic spin-orbit coupling. <i>Physical Review A</i> , 2016, 93, .	1.0	11
121	Spin-exchange-induced exotic superfluids in a Bose-Fermi spinor mixture. <i>Physical Review A</i> , 2019, 100, .	1.0	11
122	Roton-Induced Bose Polaron in the Presence of Synthetic Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2019, 123, 213401.	2.9	11
123	Fermi polarons at finite temperature: Spectral function and rf spectroscopy. <i>Physical Review A</i> , 2022, 105, .	1.0	11
124	Validity of a single-channel model for a spin-orbit-coupled atomic Fermi gas near Feshbach resonances. <i>Physical Review A</i> , 2012, 86, .	1.0	10
125	Quantum and thermal fluctuations in a Raman spin-orbit-coupled Bose gas. <i>Physical Review A</i> , 2017, 96, .	1.0	10
126	Topological phase interference induced by a magnetic field along hard anisotropy axis in nanospin systems with different crystal symmetries. <i>Physical Review B</i> , 2000, 61, 14581-14591.	1.1	9

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127	Interplay of quantum magnetic and potential scattering around Zn and Ni impurity ions in superconducting cuprates. <i>Physical Review B</i> , 2002, 66, .	1.1	9
128	Density fingerprint of giant vortices in Fermi gases near a Feshbach resonance. <i>Physical Review A</i> , 2007, 75, .	1.0	9
129	Non-universal thermodynamics of a strongly interacting inhomogeneous Fermi gas using the quantum virial expansion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 2979-2984.	0.9	9
130	Comparison between theory and experiment for universal thermodynamics of a homogeneous, strongly correlated Fermi gas. <i>Physical Review A</i> , 2011, 83, .	1.0	9
131	First and second sound of a unitary Fermi gas in highly oblate harmonic traps. <i>New Journal of Physics</i> , 2014, 16, 083023.	1.2	9
132	Dimensional crossover in a strongly interacting ultracold atomic Fermi gas. <i>Physical Review A</i> , 2017, 96, .	1.0	9
133	Breathing-mode frequency of a strongly interacting Fermi gas across the two- to three-dimensional crossover. <i>Physical Review A</i> , 2018, 97, .	1.0	9
134	Few-Body Perspective of a Quantum Anomaly in Two-Dimensional Fermi Gases. <i>Physical Review Letters</i> , 2020, 124, 013401.	2.9	9
135	Size effects on excitons in nano-rings. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 9145-9151.	0.7	8
136	Josephson effect in an atomic Fulde-Ferrell-Larkin-Ovchinnikov superfluid. <i>Physical Review A</i> , 2011, 83, .	1.0	8
137	Tuning a magnetic Feshbach resonance with spatially modulated laser light. <i>Physical Review A</i> , 2014, 90, .	1.0	8
138	Ultradilute self-bound quantum droplets in Bose-Bose mixtures at finite temperature*. <i>Chinese Physics B</i> , 2021, 30, 010306.	0.7	8
139	Two-channel-model description of confinement-induced Feshbach molecules. <i>Physical Review A</i> , 2012, 86, .	1.0	7
140	Radio-frequency spectroscopy of a linear array of Bose-Einstein condensates in a magnetic lattice. <i>Physical Review A</i> , 2015, 91, .	1.0	7
141	Dynamic structure factor of a strongly correlated Fermi superfluid within a density functional theory approach. <i>New Journal of Physics</i> , 2016, 18, 113044.	1.2	7
142	Pseudogap regime of a strongly interacting two-dimensional Fermi gas with and without confinement-induced effective range of interactions. <i>Physical Review A</i> , 2020, 102, .	1.0	7
143	Effective theory for ultracold strongly interacting fermionic atoms in two dimensions. <i>Physical Review A</i> , 2020, 101, .	1.0	7
144	Equation of state and contact of a strongly interacting Bose gas in the normal state. <i>Physical Review A</i> , 2015, 91, .	1.0	6

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145	Quantum fluctuations of a resonantly interacting p -wave Fermi superfluid in two dimensions. <i>Physical Review A</i> , 2018, 98, .	1.0	6
146	Theory of strongly paired fermions with arbitrary short-range interactions. <i>Physical Review A</i> , 2020, 101, .	1.0	6
147	Spin-orbital gapped phase with least symmetry breaking in the one-dimensional symmetrically coupled spin-orbital model. <i>Physical Review B</i> , 2003, 67, .	1.1	5
148	First and second sound in a two-dimensional harmonically trapped Bose gas across the Berezinskii-Kosterlitz-Thouless transition. <i>Annals of Physics</i> , 2014, 351, 531-539.	1.0	5
149	Beyond Gaussian pair fluctuation theory for strongly interacting Fermi gases. <i>Physical Review A</i> , 2016, 94, .	1.0	5
150	Resonantly interacting p -wave Fermi superfluid in two dimensions: Tan's contact and the breathing mode. <i>Physical Review A</i> , 2019, 100, .	1.0	5
151	Cluster Formation in Two-Component Fermi Gases. <i>Physical Review Letters</i> , 2019, 123, 073401.	2.9	5
152	Dynamic structure factors of a strongly interacting Fermi superfluid near an orbital Feshbach resonance across the phase transition from BCS to Sarma superfluid. <i>Physical Review A</i> , 2021, 103, .	1.0	5
153	Topological phase interference effects in resonant quantum tunneling of the Néel vector between nonequivalent magnetic wells in mesoscopic single-domain antiferromagnets. <i>European Physical Journal B</i> , 2000, 14, 349-361.	0.6	4
154	Spin-dependent electronic states and magnetoconductance in a magnetic quantum antidot. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 3359-3367.	0.7	4
155	Many-body theories of density response for a strongly correlated Fermi gas. <i>Frontiers of Physics</i> , 2012, 7, 98-108.	2.4	4
156	Exotic topological states with Raman-induced spin-orbit coupling. <i>Physical Review A</i> , 2017, 95, .	1.0	4
157	Polaron in a non-Abelian Aubry-André-Harper model with p -wave superfluidity. <i>Physical Review A</i> , 2018, 98, .	1.0	4
158	Time evolution of quantum entanglement of an EPR pair in a localized environment. <i>New Journal of Physics</i> , 2018, 20, 053015.	1.2	4
159	Role of the confinement-induced effective range in the thermodynamics of a strongly correlated Fermi gas in two dimensions. <i>Physical Review A</i> , 2020, 101, .	1.0	4
160	First-order Bose-Einstein condensation with three-body interacting bosons. <i>Physical Review A</i> , 2021, 104, .	1.0	4
161	Polariton-polariton interaction beyond the Born approximation: A toy model study. <i>Physical Review A</i> , 2020, 102, .	1.0	4
162	Mean-field analysis of dimensional crossover from two dimensions to three dimensions in a weakly interacting Fermi gas. <i>Physical Review A</i> , 2011, 84, .	1.0	3

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163	Collective mode evidence of high-spin bosonization in a trapped one-dimensional atomic Fermi gas with tunable spin. <i>Annals of Physics</i> , 2014, 350, 84-94.	1.0	3
164	Three-component topological superfluid in one-dimensional Fermi gases with spin-orbit coupling. <i>Physical Review A</i> , 2014, 90, .	1.0	3
165	Probing an effective-range-induced super fermionic Tonks-Girardeau gas with ultracold atoms in one-dimensional harmonic traps. <i>Physical Review A</i> , 2016, 94, .	1.0	3
166	Ultra-cold fermions in optical lattices. <i>Journal of Modern Optics</i> , 2005, 52, 2261-2268.	0.6	2
167	Theory of strongly interacting Fermi gases. <i>Journal of Modern Optics</i> , 2009, 56, 2076-2081.	0.6	2
168	Leggett mode in a two-component Fermi gas with dipolar interactions. <i>Physical Review A</i> , 2019, 99, .	1.0	2
169	Resonant quantum coherence of magnetization at excited states in nanospin systems with different crystal symmetries. <i>European Physical Journal B</i> , 2000, 16, 507-513.	0.6	1
170	Effects of Arbitrarily Directed Field on Spin Phase Oscillations in Biaxial Molecular Magnets. <i>Communications in Theoretical Physics</i> , 2001, 35, 751-758.	1.1	1
171	Macroscopic Quantum Coherence in Antiferromagnetic Molecular Magnets. <i>Communications in Theoretical Physics</i> , 2001, 36, 245-250.	1.1	1
172	Universal structure of a strongly interacting Fermi gas. <i>Journal of Physics: Conference Series</i> , 2011, 264, 012013.	0.3	1
173	First and second sound of a unitary Fermi gas in highly elongated harmonic traps. <i>Physical Review A</i> , 2014, 90, .	1.0	1
174	Partly non-Kramers freezing of tunneling in a spin molecule. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 265, 217-220.	0.9	0
175	Ultra-cold hubbard fermions in optical lattices. , 2005, , .		0
176	Universal thermodynamics of strongly interacting Fermi gases. , 2007, , .		0
177	First-principles many-body theory for ultra-cold atoms. , 2010, , .		0
178	Probing the critical exponent of the superfluid fraction in a strongly interacting Fermi gas. <i>Physical Review A</i> , 2013, 88, .	1.0	0
179	Pseudopotentials for two-dimensional ultracold scattering in the presence of synthetic spin-orbit coupling. <i>Physical Review A</i> , 2019, 100, .	1.0	0
180	Universal Thermodynamic Behavior of Strongly Interacting Fermi Gases. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
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