Hui Hu

List of Publications by Year
in descending order

183	6,059	57719	85498
papers	citations	44 h-index	71 g-index

183	183	183	2238
all docs	docs citations	times ranked	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. Physical Review A, 2011, 84, .	1.0	77
20	Topological superfluid in one-dimensional spin-orbit-coupled atomic Fermi gases. Physical Review A, 2012, 85, .	1.0	76
21	Pseudogap Pairing in Ultracold Fermi Atoms. Physical Review Letters, 2010, 104, 240407.	2.9	74
22	Quantum fluctuations in the BCS-BEC crossover of two-dimensional Fermi gases. Physical Review A, 2015, 92, .	1.0	73
23	Temperature Dependence of the Universal Contact Parameter in a Unitary Fermi Gas. Physical Review Letters, 2011, 106, 170402.	2.9	71
24	Exact few-body results for strongly correlated quantum gases in two dimensions. Physical Review B, 2010, 82, .	1.1	68
25	Phase diagram of a non-Abelian Aubry-AndrÃ©-Harper model with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math>-wave superfluidity. Physical Review B, 2016, 93, .	1.1	67
26	BCS-BEC crossover in an asymmetric two-component Fermi gas. Europhysics Letters, 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. Physical Review A, 2008, 78, .	1.0	61
28	FERMI GASES WITH SYNTHETIC SPINâ€“ORBIT COUPLING. Annual Review of Cold Atoms and Molecules, 2014, , 81-143.	2.8	60
29	Universal contact of strongly interacting fermions at finite temperatures. New Journal of Physics, 2011, 13, 035007.	1.2	59
30	Universal thermodynamics of a strongly interacting Fermi gas: theory versus experiment. New Journal of Physics, 2010, 12, 063038.	1.2	57
31	Tunneling into Multiwalled Carbon Nanotubes: Coulomb Blockade and the Fano Resonance. Physical Review Letters, 2003, 91, 076801.	2.9	54
32	Temperature of a trapped unitary Fermi gas at finite entropy. Physical Review A, 2006, 73, .	1.0	53
33	Signature of Mott-Insulator Transition with Ultracold Fermions in a One-Dimensional Optical Lattice. Physical Review Letters, 2005, 94, 136406.	2.9	51
34	Self-consistent theory of atomic Fermi gases with a Feshbach resonance at the superfluid transition. Physical Review A, 2005, 72, .	1.0	50
35	Mean-field thermodynamics of a spin-polarized spherically trapped Fermi gas at unitarity. Physical Review A, 2007, 75, .	1.0	50
36	Comparative study of strong-coupling theories of a trapped Fermi gas at unitarity. Physical Review A, 2008, 77, .	1.0	50

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

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55	Second sound and the density response function in uniform superfluid atomic gases. New Journal of Physics, 2010, 12, 043040.	1.2	31
56	Multicomponent strongly attractive Fermi gas: A color superconductor in a one-dimensional harmonic trap. Physical Review A, 2008, 77, .	1.0	30
57	Static structure factor of a strongly correlated Fermi gas at large momenta. Europhysics Letters, 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. Physical Review A, 2020, 102, .	1.0	30
59	Optical control of a magnetic Feshbach resonance in an ultracold Fermi gas. Physical Review A, 2013, 88, .	1.0	28
60	Large-momentum distribution of a polarized Fermi gas and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -wave contacts. Physical Review A, 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. Physical Review Letters, 2019, 122, 070401.	2.9	28
62	Energy levels and far-infrared spectroscopy for two electrons in a nanoscopic semiconductor ring. Physical Review B, 2000, 62, 16777-16783.	1.1	27
63	Critical temperature of a Rashba spin-orbit-coupled Bose gas in a harmonic trap. Physical Review A, 2012, 85, .	1.0	27
64	Criteria for two-dimensional kinematics in an interacting Fermi gas. Physical Review A, 2016, 93, .	1.0	27
65	Collective excitations of a spherical ultradilute quantum droplet. Physical Review A, 2020, 102, .	1.0	27
66	Valence-Bond Spin-Liquid State in Two-Dimensional Frustrated Spin-1/2Heisenberg Antiferromagnets. Physical Review Letters, 2003, 91, 067201.	2.9	26
67	Finite-temperature effects on the collapse of trapped Bose-Fermi mixtures. Physical Review A, 2003, 68, .	1.0	26
68	Comparison of strong-coupling theories for a two-dimensional Fermi gas. Physical Review A, 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. Physical Review A, 2017, 96, .	1.0	26
70	Variational theory of two-fluid hydrodynamic modes at unitarity. Physical Review A, 2008, 77, .	1.0	25
71	Virial expansion for a strongly correlated Fermi gas with imbalanced spin populations. Physical Review A, 2010, 82, .	1.0	24
72	Collective oscillations of a confined Bose gas at finite temperature in the random-phase approximation. Physical Review A, 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. Physical Review A, 2010, 82, .	1.0	23
74	Quantum depletion and superfluid density of a supersolid in Raman spin-orbit-coupled Bose gases. Physical Review A, 2018, 98, .	1.0	23
75	Visualization of Vortex Bound States in Polarized Fermi Gases at Unitarity. Physical Review Letters, 2007, 98, 060406.	2.9	22
76	Breakdown of the Fermi polaron description near Fermi degeneracy at unitarity. Annals of Physics, 2019, 407, 29-45.	1.0	22
77	Anderson localization transition in a robust PT -symmetric phase of a generalized Aubry-AndrÃ© model. Physical Review A, 2021, 103, .	1.0	22
78	Universal dynamic structure factor of a strongly correlated Fermi gas. Physical Review A, 2012, 85, .	1.0	21
79	Emergence of topological and strongly correlated ground states in trapped Rashba spin-orbit-coupled Bose gases. Physical Review A, 2013, 87, .	1.0	21
80	Fragmented Condensate Ground State of Trapped Weakly Interacting Bosons in Two Dimensions. Physical Review Letters, 2001, 87, 030404.	2.9	20
81	Expansion of a quantum degenerate boson-fermion mixture. Physical Review A, 2003, 67, .	1.0	20
82	Studies of the universal contact in a strongly interacting Fermi gas using Bragg spectroscopy. New Journal of Physics, 2011, 13, 055010.	1.2	20
83	Collective modes of a one-dimensional trapped atomic Bose gas at finite temperatures. Physical Review A, 2014, 90, .	1.0	20
84	Gapless topological Fulde-Ferrell superfluidity induced by an in-plane Zeeman field. Physical Review A, 2014, 90, .	1.0	20
85	Stoner ferromagnetism of a strongly interacting Fermi gas in the quasirepulsive regime. Physical Review A, 2016, 93, .	1.0	20
86	Thermodynamics of a trapped Bose-Fermi mixture. Physical Review A, 2003, 68, .	1.0	19
87	Dynamic response of strongly correlated Fermi gases in the quantum virial expansion. Physical Review A, 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. Physical Review A, 2015, 91, .	1.0	19
89	Many-body localization in Ising models with random long-range interactions. Physical Review A, 2016, 94, .	1.0	19
90	BCS-BEC crossover at finite temperature in spin-orbit-coupled Fermi gases. Physical Review A, 2013, 87, .	1.0	18

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

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109	Two-band description of resonant superfluidity in atomic Fermi gases. Physical Review A, 2015, 91, .	1.0	13
110	Fermi polaron in a one-dimensional quasiperiodic optical lattice: The simplest many-body localization challenge. Physical Review A, 2016, 93, .	1.0	13
111	Strongly interacting Sarma superfluid near orbital Feshbach resonances. Physical Review A, 2018, 97, .	1.0	13
112	Collective modes of a two-dimensional Fermi gas at finite temperature. Physical Review A, 2018, 97, .	1.0	13
113	Angular stripe phase in spin-orbital-angular-momentum coupled Bose condensates. Physical Review Research, 2020, 2, .	1.3	13
114	Finite-temperature excitations of a trapped Bose-Fermi mixture. Physical Review A, 2003, 68, .	1.0	12
115	Traveling Majorana Solitons in a Low-Dimensional Spin-Orbit-Coupled Fermi Superfluid. Physical Review Letters, 2016, 117, 225302.	2.9	12
116	Larkin-Ovchinnikov superfluidity in a two-dimensional imbalanced atomic Fermi gas. Physical Review A, 2017, 95, .	1.0	12
117	Ground-state properties of a trapped few-boson system under rotation: Beyond the â€œlowest-Landau-levelâ€•approximation. Physical Review A, 2001, 64, .	1.0	11
118	Mean-field study of itinerant ferromagnetism in trapped ultracold Fermi gases: Beyond the local-density approximation. Physical Review A, 2010, 82, .	1.0	11
119	Spin-orbit-coupled topological Fulde-Ferrell states of fermions in a harmonic trap. Physical Review A, 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. Physical Review A, 2016, 93, .	1.0	11
121	Spin-exchange-induced exotic superfluids in a Bose-Fermi spinor mixture. Physical Review A, 2019, 100, .	1.0	11
122	Roton-Induced Bose Polaron in the Presence of Synthetic Spin-Orbit Coupling. Physical Review Letters, 2019, 123, 213401.	2.9	11
123	Fermi polarons at finite temperature: Spectral function and rf spectroscopy. Physical Review A, 2022, 105, .	1.0	11
124	Validity of a single-channel model for a spin-orbit-coupled atomic Fermi gas near Feshbach resonances. Physical Review A, 2012, 86, .	1.0	10
125	Quantum and thermal fluctuations in a Raman spin-orbit-coupled Bose gas. Physical Review A, 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. Physical Review B, 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. Physical Review B, 2002, 66, .	1.1	9
128	Density fingerprint of giant vortices in Fermi gases near a Feshbach resonance. Physical Review A, 2007, 75, .	1.0	9
129	Non-universal thermodynamics of a strongly interacting inhomogeneous Fermi gas using the quantum virial expansion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2979-2984.	0.9	9
130	Comparison between theory and experiment for universal thermodynamics of a homogeneous, strongly correlated Fermi gas. Physical Review A, 2011, 83, .	1.0	9
131	First and second sound of a unitary Fermi gas in highly oblate harmonic traps. New Journal of Physics, 2014, 16, 083023.	1.2	9
132	Dimensional crossover in a strongly interacting ultracold atomic Fermi gas. Physical Review A, 2017, 96, .	1.0	9
133	Breathing-mode frequency of a strongly interacting Fermi gas across the two- to three-dimensional crossover. Physical Review A, 2018, 97, .	1.0	9
134	Few-Body Perspective of a Quantum Anomaly in Two-Dimensional Fermi Gases. Physical Review Letters, 2020, 124, 013401.	2.9	9
135	Size effects on excitons in nano-rings. Journal of Physics Condensed Matter, 2000, 12, 9145-9151.	0.7	8
136	Josephson effect in an atomic Fulde-Ferrell-Larkin-Ovchinnikov superfluid. Physical Review A, 2011, 83, .	1.0	8
137	Tuning a magnetic Feshbach resonance with spatially modulated laser light. Physical Review A, 2014, 90, .	1.0	8
138	Ultradilute self-bound quantum droplets in Boseâ€“Bose mixtures at finite temperature*. Chinese Physics B, 2021, 30, 010306.	0.7	8
139	Two-channel-model description of confinement-induced Feshbach molecules. Physical Review A, 2012, 86, .	1.0	7
140	Radio-frequency spectroscopy of a linear array of Bose-Einstein condensates in a magnetic lattice. Physical Review A, 2015, 91, .	1.0	7
141	Dynamic structure factor of a strongly correlated Fermi superfluid within a density functional theory approach. New Journal of Physics, 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. Physical Review A, 2020, 102, .	1.0	7
143	Effective theory for ultracold strongly interacting fermionic atoms in two dimensions. Physical Review A, 2020, 101, .	1.0	7
144	Equation of state and contact of a strongly interacting Bose gas in the normal state. Physical Review A, 2015, 91, .	1.0	6

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145	Quantum fluctuations of a resonantly interacting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -wave Fermi superfluid in two dimensions. Physical Review A, 2018, 98, .	1.0	6
146	Theory of strongly paired fermions with arbitrary short-range interactions. Physical Review A, 2020, 101, .	1.0	6
147	Spin-orbital gapped phase with least symmetry breaking in the one-dimensional symmetrically coupled spin-orbital model. Physical Review B, 2003, 67, .	1.1	5
148	First and second sound in a two-dimensional harmonically trapped Bose gas across the Berezinskiiâ€“Kosterlitzâ€“Thouless transition. Annals of Physics, 2014, 351, 531-539.	1.0	5
149	Beyond Gaussian pair fluctuation theory for strongly interacting Fermi gases. Physical Review A, 2016, 94, .	1.0	5
150	Resonantly interacting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -wave Fermi superfluid in two dimensions: Tan's contact and the breathing mode. Physical Review A, 2019, 100, .	1.0	5
151	Cluster Formation in Two-Component Fermi Gases. Physical Review Letters, 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. Physical Review A, 2021, 103, .	1.0	5
153	Topological phase interference effects in resonant quantum tunneling of the NÃ©el vector between nonequivalent magnetic wells in mesoscopic single-domain antiferromagnets. European Physical Journal B, 2000, 14, 349-361.	0.6	4
154	Spin-dependent electronic states and magnetoconductance in a magnetic quantum antidot. Journal of Physics Condensed Matter, 2000, 12, 3359-3367.	0.7	4
155	Many-body theories of density response for a strongly correlated Fermi gas. Frontiers of Physics, 2012, 7, 98-108.	2.4	4
156	Exotic topological states with Raman-induced spin-orbit coupling. Physical Review A, 2017, 95, .	1.0	4
157	Polaron in a non-Abelian Aubry-AndrÃ©-Harper model with p -wave superfluidity. Physical Review A, 2018, 98, .	1.0	4
158	Time evolution of quantum entanglement of an EPR pair in a localized environment. New Journal of Physics, 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. Physical Review A, 2020, 101, .	1.0	4
160	First-order Bose-Einstein condensation with three-body interacting bosons. Physical Review A, 2021, 104, .	1.0	4
161	Polariton-polariton interaction beyond the Born approximation: A toy model study. Physical Review A, 2020, 102, .	1.0	4
162	Mean-field analysis of dimensional crossover from two dimensions to three dimensions in a weakly interacting Fermi gas. Physical Review A, 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. Annals of Physics, 2014, 350, 84-94.	1.0	3
164	Three-component topological superfluid in one-dimensional Fermi gases with spin-orbit coupling. Physical Review A, 2014, 90, .	1.0	3
165	Probing an effective-range-induced super fermionic Tonks-Girardeau gas with ultracold atoms in one-dimensional harmonic traps. Physical Review A, 2016, 94, .	1.0	3
166	Ultra-cold fermions in optical lattices. Journal of Modern Optics, 2005, 52, 2261-2268.	0.6	2
167	Theory of strongly interacting Fermi gases. Journal of Modern Optics, 2009, 56, 2076-2081.	0.6	2
168	Leggett mode in a two-component Fermi gas with dipolar interactions. Physical Review A, 2019, 99, .	1.0	2
169	Resonant quantum coherence of magnetization at excited states in nanospin systems with different crystal symmetries. European Physical Journal B, 2000, 16, 507-513.	0.6	1
170	Effects of Arbitrarily Directed Field on Spin Phase Oscillations in Biaxial Molecular Magnets. Communications in Theoretical Physics, 2001, 35, 751-758.	1.1	1
171	Macroscopic Quantum Coherence in Antiferromagnetic Molecular Magnets. Communications in Theoretical Physics, 2001, 36, 245-250.	1.1	1
172	Universal structure of a strongly interacting Fermi gas. Journal of Physics: Conference Series, 2011, 264, 012013.	0.3	1
173	First and second sound of a unitary Fermi gas in highly elongated harmonic traps. Physical Review A, 2014, 90, .	1.0	1
174	Partly non-Kramers freezing of tunneling in a spin molecule. Physics Letters, Section A: General, Atomic and Solid State Physics, 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. Physical Review A, 2013, 88, .	1.0	0
179	Pseudopotentials for two-dimensional ultracold scattering in the presence of synthetic spin-orbit coupling. Physical Review A, 2019, 100, .	1.0	0
180	Universal Thermodynamic Behavior of Strongly Interacting Fermi Gases. , 2007, , .		0

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181	Strongly Interacting Polarized Fermi Gases. , 2007, , .		0
182	UNIVERSALITY IN STRONGLY INTERACTING FERMI GASES. , 2009, , .		0
183	Photoexcitation measurement of Tan's contact for a strongly interacting Fermi gas. Physical Review A, 2021, 104, .	1.0	0