

Hui Hu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3133335/hui-hu-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169
papers

5,037
citations

41
h-index

64
g-index

183
ext. papers

5,699
ext. citations

3.7
avg, IF

5.93
L-index

#	Paper	IF	Citations
169	A one-dimensional liquid of fermions with tunable spin. <i>Nature Physics</i> , 2014 , 10, 198-201	16.2	270
168	Spin-orbit coupled weakly interacting Bose-Einstein condensates in harmonic traps. <i>Physical Review Letters</i> , 2012 , 108, 010402	7.4	243
167	Phase diagram of a strongly interacting polarized Fermi gas in one dimension. <i>Physical Review Letters</i> , 2007 , 98, 070403	7.4	195
166	Probing anisotropic superfluidity in atomic Fermi gases with Rashba spin-orbit coupling. <i>Physical Review Letters</i> , 2011 , 107, 195304	7.4	172
165	Equation of state of a superfluid Fermi gas in the BCS-BEC crossover. <i>Europhysics Letters</i> , 2006 , 74, 574-580	5.8	150
164	Universal behavior of pair correlations in a strongly interacting Fermi gas. <i>Physical Review Letters</i> , 2010 , 105, 070402	7.4	140
163	Virial expansion for a strongly correlated Fermi gas. <i>Physical Review Letters</i> , 2009 , 102, 160401	7.4	125
162	Collective modes and ballistic expansion of a fermi gas in the BCS-BEC crossover. <i>Physical Review Letters</i> , 2004 , 93, 190403	7.4	121
161	Half-quantum vortex state in a spin-orbit-coupled Bose-Einstein condensate. <i>Physical Review A</i> , 2012 , 85,	2.6	116
160	Universal thermodynamics of strongly interacting Fermi gases. <i>Nature Physics</i> , 2007 , 3, 469-472	16.2	114
159	Mean-field phase diagrams of imbalanced Fermi gases near a Feshbach resonance. <i>Physical Review A</i> , 2006 , 73,	2.6	102
158	Fulde-Ferrell-Larkin-Ovchinnikov states in one-dimensional spin-polarized ultracold atomic Fermi gases. <i>Physical Review A</i> , 2007 , 76,	2.6	98
157	Crossover from 2D to 3D in a weakly interacting Fermi gas. <i>Physical Review Letters</i> , 2011 , 106, 105304	7.4	96
156	Precise determination of the structure factor and contact in a unitary Fermi gas. <i>Physical Review Letters</i> , 2013 , 110, 055305	7.4	81
155	Aharonov-Bohm effect of excitons in nanorings. <i>Physical Review B</i> , 2001 , 63,	3.3	78
154	Three attractively interacting fermions in a harmonic trap: Exact solution, ferromagnetism, and high-temperature thermodynamics. <i>Physical Review A</i> , 2010 , 82,	2.6	73
153	Rashba spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2011 , 84,	2.6	71

152	Probing Majorana fermions in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2012 , 85,	2.6	71
151	Topological superfluid in one-dimensional spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2012 , 85,	2.6	70
150	Thermodynamics of an Attractive 2D Fermi Gas. <i>Physical Review Letters</i> , 2016 , 116, 045302	7.4	69
149	Pseudogap pairing in ultracold Fermi atoms. <i>Physical Review Letters</i> , 2010 , 104, 240407	7.4	69
148	Temperature dependence of the universal contact parameter in a unitary Fermi gas. <i>Physical Review Letters</i> , 2011 , 106, 170402	7.4	64
147	Exact few-body results for strongly correlated quantum gases in two dimensions. <i>Physical Review B</i> , 2010 , 82,	3.3	61
146	BCS-BEC crossover in an asymmetric two-component Fermi gas. <i>Europhysics Letters</i> , 2006 , 75, 364-370	1.6	58
145	Finite-temperature phase diagram of a spin-polarized ultracold Fermi gas in a highly elongated harmonic trap. <i>Physical Review A</i> , 2008 , 78,	2.6	57
144	Universal thermodynamics of a strongly interacting Fermi gas: theory versus experiment. <i>New Journal of Physics</i> , 2010 , 12, 063038	2.9	54
143	Universal contact of strongly interacting fermions at finite temperatures. <i>New Journal of Physics</i> , 2011 , 13, 035007	2.9	53
142	Quantum fluctuations in the BCS-BEC crossover of two-dimensional Fermi gases. <i>Physical Review A</i> , 2015 , 92,	2.6	52
141	Tunneling into multiwalled carbon nanotubes: coulomb blockade and the Fano resonance. <i>Physical Review Letters</i> , 2003 , 91, 076801	7.4	50
140	Temperature of a trapped unitary Fermi gas at finite entropy. <i>Physical Review A</i> , 2006 , 73,	2.6	49
139	Signature of Mott-insulator transition with ultracold fermions in a one-dimensional optical lattice. <i>Physical Review Letters</i> , 2005 , 94, 136406	7.4	48
138	Radio-frequency spectroscopy of a strongly interacting spin-orbit-coupled Fermi gas. <i>Physical Review A</i> , 2013 , 87,	2.6	47
137	Mean-field thermodynamics of a spin-polarized spherically trapped Fermi gas at unitarity. <i>Physical Review A</i> , 2007 , 75,	2.6	47
136	Mesoscopic Kondo screening effect in a single-electron transistor embedded in a metallic ring. <i>Physical Review Letters</i> , 2001 , 86, 5558-61	7.4	47
135	Finite-momentum dimer bound state in a spin-orbit-coupled Fermi gas. <i>Physical Review A</i> , 2013 , 87,	2.6	46

134	Comparative study of strong-coupling theories of a trapped Fermi gas at unitarity. <i>Physical Review A</i> , 2008 , 77,	2.6	46
133	FERMI GASES WITH SYNTHETIC SPIN-ORBIT COUPLING. <i>Annual Review of Cold Atoms and Molecules</i> , 2014 , 81-143		45
132	Universal impurity-induced bound state in topological superfluids. <i>Physical Review Letters</i> , 2013 , 110, 020401	7.4	45
131	Topological Fulde-Ferrell superfluid in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2013 , 88,	2.6	44
130	Self-consistent theory of atomic Fermi gases with a Feshbach resonance at the superfluid transition. <i>Physical Review A</i> , 2005 , 72,	2.6	44
129	Collisionless and hydrodynamic excitations of trapped boson-fermion mixtures. <i>Physical Review A</i> , 2003 , 67,	2.6	43
128	First and second sound in a strongly interacting Fermi gas. <i>Physical Review A</i> , 2009 , 80,	2.6	41
127	Marginal Fermi liquid resonance induced by a quantum magnetic impurity in d-wave superconductors. <i>Physical Review Letters</i> , 2001 , 86, 704-7	7.4	37
126	Inhomogeneous Fulde-Ferrell superfluidity in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2013 , 87,	2.6	36
125	Gapless topological Fulde-Ferrell superfluidity in spin-orbit coupled Fermi gases. <i>Physical Review Letters</i> , 2014 , 113, 115302	7.4	35
124	Density distribution of a trapped two-dimensional strongly interacting Fermi gas. <i>New Journal of Physics</i> , 2011 , 13, 113032	2.9	35
123	Confinement-induced resonances in anharmonic waveguides. <i>Physical Review A</i> , 2011 , 84,	2.6	33
122	Single impurity in ultracold Fermi superfluids. <i>Physical Review A</i> , 2011 , 83,	2.6	32
121	Phase diagram of a non-Abelian Aubry-Andr�Harper model with p-wave superfluidity. <i>Physical Review B</i> , 2016 , 93,	3.3	31
120	Confinement-induced resonance in quasi-one-dimensional systems under transversely anisotropic confinement. <i>Physical Review A</i> , 2010 , 82,	2.6	29
119	Strongly correlated Fermi superfluid near an orbital Feshbach resonance: Stability, equation of state, and Leggett mode. <i>Physical Review A</i> , 2016 , 94,	2.6	28
118	Static structure factor of a strongly correlated Fermi gas at large momenta. <i>Europhysics Letters</i> , 2010 , 91, 20005	1.6	28
117	Multicomponent strongly attractive Fermi gas: A color superconductor in a one-dimensional harmonic trap. <i>Physical Review A</i> , 2008 , 77,	2.6	28

116	Critical temperature of a Rashba spin-orbit-coupled Bose gas in a harmonic trap. <i>Physical Review A</i> , 2012 , 85,	2.6	27
115	Finite-temperature effects on the collapse of trapped Bose-Fermi mixtures. <i>Physical Review A</i> , 2003 , 68,	2.6	26
114	Energy levels and far-infrared spectroscopy for two electrons in a nanoscopic semiconductor ring. <i>Physical Review B</i> , 2000 , 62, 16777-16783	3.3	26
113	Attractive Fermi polarons at nonzero temperatures with a finite impurity concentration. <i>Physical Review A</i> , 2018 , 98,	2.6	25
112	Criteria for two-dimensional kinematics in an interacting Fermi gas. <i>Physical Review A</i> , 2016 , 93,	2.6	24
111	Second sound and the density response function in uniform superfluid atomic gases. <i>New Journal of Physics</i> , 2010 , 12, 043040	2.9	24
110	Contact and Sum Rules in a Near-Uniform Fermi Gas at Unitarity. <i>Physical Review Letters</i> , 2019 , 122, 203401	4.1	23
109	Comparison of strong-coupling theories for a two-dimensional Fermi gas. <i>Physical Review A</i> , 2015 , 92,	2.6	23
108	Variational theory of two-fluid hydrodynamic modes at unitarity. <i>Physical Review A</i> , 2008 , 77,	2.6	22
107	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,	2.6	21
106	Optical control of a magnetic Feshbach resonance in an ultracold Fermi gas. <i>Physical Review A</i> , 2013 , 88,	2.6	21
105	Virial expansion for a strongly correlated Fermi gas with imbalanced spin populations. <i>Physical Review A</i> , 2010 , 82,	2.6	21
104	Valence-bond spin-liquid state in two-dimensional frustrated spin-1/2 Heisenberg antiferromagnets. <i>Physical Review Letters</i> , 2003 , 91, 067201	7.4	21
103	Emergence of topological and strongly correlated ground states in trapped Rashba spin-orbit-coupled Bose gases. <i>Physical Review A</i> , 2013 , 87,	2.6	20
102	Collective oscillations of a confined Bose gas at finite temperature in the random-phase approximation. <i>Physical Review A</i> , 2004 , 69,	2.6	20
101	Gapless topological Fulde-Ferrell superfluidity induced by an in-plane Zeeman field. <i>Physical Review A</i> , 2014 , 90,	2.6	19
100	Universal dynamic structure factor of a strongly correlated Fermi gas. <i>Physical Review A</i> , 2012 , 85,	2.6	19
99	Fragmented condensate ground state of trapped weakly interacting bosons in two dimensions. <i>Physical Review Letters</i> , 2001 , 87, 030404	7.4	19

98	Quantitative comparison between theoretical predictions and experimental results for Bragg spectroscopy of a strongly interacting Fermi superfluid. <i>Physical Review A</i> , 2010 , 82,	2.6	18
97	Studies of the universal contact in a strongly interacting Fermi gas using Bragg spectroscopy. <i>New Journal of Physics</i> , 2011 , 13, 055010	2.9	18
96	Large-momentum distribution of a polarized Fermi gas and p-wave contacts. <i>Physical Review A</i> , 2016 , 94,	2.6	18
95	Dynamic response of strongly correlated Fermi gases in the quantum virial expansion. <i>Physical Review A</i> , 2010 , 81,	2.6	17
94	Thermodynamics of a trapped Bose-Fermi mixture. <i>Physical Review A</i> , 2003 , 68,	2.6	17
93	BCS-BEC crossover at finite temperature in spin-orbit-coupled Fermi gases. <i>Physical Review A</i> , 2013 , 87,	2.6	16
92	Expansion of a quantum degenerate boson-fermion mixture. <i>Physical Review A</i> , 2003 , 67,	2.6	16
91	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	7.4	16
90	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,	2.6	15
89	Visualization of vortex bound states in polarized fermi gases at unitarity. <i>Physical Review Letters</i> , 2007 , 98, 060406	7.4	15
88	Breakdown of the Fermi polaron description near Fermi degeneracy at unitarity. <i>Annals of Physics</i> , 2019 , 407, 29-45	2.5	14
87	Collective modes of a one-dimensional trapped atomic Bose gas at finite temperatures. <i>Physical Review A</i> , 2014 , 90,	2.6	14
86	Consistent Theory of Self-Bound Quantum Droplets with Bosonic Pairing. <i>Physical Review Letters</i> , 2020 , 125, 195302	7.4	14
85	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,	2.6	13
84	Stoner ferromagnetism of a strongly interacting Fermi gas in the quasirepulsive regime. <i>Physical Review A</i> , 2016 , 93,	2.6	13
83	Fulde-Ferrell superfluidity in ultracold Fermi gases with Rashba spin-orbit coupling. <i>New Journal of Physics</i> , 2013 , 15, 093037	2.9	13
82	Radio-frequency spectroscopy of weakly bound molecules in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2012 , 86,	2.6	13
81	Low-energy exciton states in a nanoscopic semiconducting ring. <i>Physical Review B</i> , 2001 , 63,	3.3	13

80	Larkin-Ovchinnikov superfluidity in a two-dimensional imbalanced atomic Fermi gas. <i>Physical Review A</i> , 2017 , 95,	2.6	12
79	Superfluid density and Berezinskii-Kosterlitz-Thouless transition of a spin-orbit-coupled Fulde-Ferrell superfluid. <i>Physical Review A</i> , 2015 , 91,	2.6	12
78	Realizing Fulde-Ferrell Superfluids via a Dark-State Control of Feshbach Resonances. <i>Physical Review Letters</i> , 2018 , 120, 045302	7.4	12
77	Ultracold fermi gases with resonant dipole-dipole interaction. <i>Physical Review Letters</i> , 2013 , 110, 045301,	7.4	12
76	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,	2.6	12
75	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	1.2	11
74	Two-band description of resonant superfluidity in atomic Fermi gases. <i>Physical Review A</i> , 2015 , 91,	2.6	11
73	Spin-orbit-coupled topological Fulde-Ferrell states of fermions in a harmonic trap. <i>Physical Review A</i> , 2014 , 90,	2.6	11
72	Mean-field study of itinerant ferromagnetism in trapped ultracold Fermi gases: Beyond the local-density approximation. <i>Physical Review A</i> , 2010 , 82,	2.6	11
71	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,	2.6	11
70	Finite-temperature excitations of a trapped Bose-Fermi mixture. <i>Physical Review A</i> , 2003 , 68,	2.6	11
69	Ground-state properties of a trapped few-boson system under rotation: Beyond the lowest-Landau-level approximation. <i>Physical Review A</i> , 2001 , 64,	2.6	11
68	Quantum depletion and superfluid density of a supersolid in Raman spin-orbit-coupled Bose gases. <i>Physical Review A</i> , 2018 , 98,	2.6	10
67	Many-body localization in Ising models with random long-range interactions. <i>Physical Review A</i> , 2016 , 94,	2.6	10
66	Strongly interacting Sarma superfluid near orbital Feshbach resonances. <i>Physical Review A</i> , 2018 , 97,	2.6	9
65	Fermi polaron in a one-dimensional quasiperiodic optical lattice: The simplest many-body localization challenge. <i>Physical Review A</i> , 2016 , 93,	2.6	9
64	Comparison between theory and experiment for universal thermodynamics of a homogeneous, strongly correlated Fermi gas. <i>Physical Review A</i> , 2011 , 83,	2.6	9
63	Interplay of quantum magnetic and potential scattering around Zn and Ni impurity ions in superconducting cuprates. <i>Physical Review B</i> , 2002 , 66,	3.3	9

62	Collective modes of a two-dimensional Fermi gas at finite temperature. <i>Physical Review A</i> , 2018 , 97,	2.6	9
61	Microscopic derivation of the extended Gross-Pitaevskii equation for quantum droplets in binary Bose mixtures. <i>Physical Review A</i> , 2020 , 102,	2.6	8
60	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,	2.6	8
59	First and second sound of a unitary Fermi gas in highly oblate harmonic traps. <i>New Journal of Physics</i> , 2014 , 16, 083023	2.9	8
58	Validity of a single-channel model for a spin-orbit-coupled atomic Fermi gas near Feshbach resonances. <i>Physical Review A</i> , 2012 , 86,	2.6	8
57	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	2.3	8
56	Josephson effect in an atomic Fulde-Ferrell-Larkin-Ovchinnikov superfluid. <i>Physical Review A</i> , 2011 , 83,	2.6	8
55	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	3.3	8
54	Dimensional crossover in a strongly interacting ultracold atomic Fermi gas. <i>Physical Review A</i> , 2017 , 96,	2.6	7
53	Traveling Majorana Solitons in a Low-Dimensional Spin-Orbit-Coupled Fermi Superfluid. <i>Physical Review Letters</i> , 2016 , 117, 225302	7.4	7
52	Two-channel-model description of confinement-induced Feshbach molecules. <i>Physical Review A</i> , 2012 , 86,	2.6	7
51	Density fingerprint of giant vortices in Fermi gases near a Feshbach resonance. <i>Physical Review A</i> , 2007 , 75,	2.6	7
50	Roton-Induced Bose Polaron in the Presence of Synthetic Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2019 , 123, 213401	7.4	7
49	Radio-frequency spectroscopy of a linear array of Bose-Einstein condensates in a magnetic lattice. <i>Physical Review A</i> , 2015 , 91,	2.6	6
48	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,	2.6	6
47	Quantum and thermal fluctuations in a Raman spin-orbit-coupled Bose gas. <i>Physical Review A</i> , 2017 , 96,	2.6	6
46	Size effects on excitons in nano-rings. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 9145-9151	1.8	6
45	Thermal destabilization of self-bound ultradilute quantum droplets. <i>New Journal of Physics</i> , 2020 , 22, 103044	2.9	6

44	Many-body localization in XY spin chains with long-range interactions: An exact-diagonalization study. <i>Physical Review A</i> , 2019 , 100,	2.6	6
43	Anderson localization transition in a robust PT-symmetric phase of a generalized Aubry-Andr� model. <i>Physical Review A</i> , 2021 , 103,	2.6	6
42	Breathing-mode frequency of a strongly interacting Fermi gas across the two- to three-dimensional crossover. <i>Physical Review A</i> , 2018 , 97,	2.6	6
41	Equation of state and contact of a strongly interacting Bose gas in the normal state. <i>Physical Review A</i> , 2015 , 91,	2.6	5
40	Dynamic structure factor of a strongly correlated Fermi superfluid within a density functional theory approach. <i>New Journal of Physics</i> , 2016 , 18, 113044	2.9	5
39	Tuning a magnetic Feshbach resonance with spatially modulated laser light. <i>Physical Review A</i> , 2014 , 90,	2.6	5
38	Spin-orbital gapped phase with least symmetry breaking in the one-dimensional symmetrically coupled spin-orbital model. <i>Physical Review B</i> , 2003 , 67,	3.3	5
37	Collective excitations of a spherical ultradilute quantum droplet. <i>Physical Review A</i> , 2020 , 102,	2.6	5
36	Spin-exchange-induced exotic superfluids in a Bose-Fermi spinor mixture. <i>Physical Review A</i> , 2019 , 100,	2.6	4
35	Beyond Gaussian pair fluctuation theory for strongly interacting Fermi gases. <i>Physical Review A</i> , 2016 , 94,	2.6	4
34	Many-body theories of density response for a strongly correlated Fermi gas. <i>Frontiers of Physics</i> , 2012 , 7, 98-108	3.7	4
33	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	1.2	4
32	Spin-dependent electronic states and magnetoconductance in a magnetic quantum antidot. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 3359-3367	1.8	4
31	Angular stripe phase in spin-orbital-angular-momentum coupled Bose condensates. <i>Physical Review Research</i> , 2020 , 2,	3.9	4
30	Effective theory for ultracold strongly interacting fermionic atoms in two dimensions. <i>Physical Review A</i> , 2020 , 101,	2.6	3
29	Three-component topological superfluid in one-dimensional Fermi gases with spin-orbit coupling. <i>Physical Review A</i> , 2014 , 90,	2.6	3
28	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,	2.6	3
27	Quantum fluctuations in a strongly interacting Bardeen-Cooper-Schrieffer polariton condensate at thermal equilibrium. <i>Physical Review A</i> , 2020 , 101,	2.6	3

26	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,	2.6	3
25	Polaron in a non-Abelian Aubry-Andr�Harper model with p-wave superfluidity. <i>Physical Review A</i> , 2018 , 98,	2.6	3
24	Time evolution of quantum entanglement of an EPR pair in a localized environment. <i>New Journal of Physics</i> , 2018 , 20, 053015	2.9	3
23	Crossover polarons in a strongly interacting Fermi superfluid. <i>Physical Review A</i> , 2022 , 105,	2.6	3
22	Exotic topological states with Raman-induced spin-orbit coupling. <i>Physical Review A</i> , 2017 , 95,	2.6	2
21	Leggett mode in a two-component Fermi gas with dipolar interactions. <i>Physical Review A</i> , 2019 , 99,	2.6	2
20	Few-Body Perspective of a Quantum Anomaly in Two-Dimensional Fermi Gases. <i>Physical Review Letters</i> , 2020 , 124, 013401	7.4	2
19	Cluster Formation in Two-Component Fermi Gases. <i>Physical Review Letters</i> , 2019 , 123, 073401	7.4	2
18	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	2.5	2
17	Theory of strongly interacting Fermi gases. <i>Journal of Modern Optics</i> , 2009 , 56, 2076-2081	1.1	2
16	Ultra-cold fermions in optical lattices. <i>Journal of Modern Optics</i> , 2005 , 52, 2261-2268	1.1	2
15	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,	2.6	2
14	Quantum fluctuations of a resonantly interacting p-wave Fermi superfluid in two dimensions. <i>Physical Review A</i> , 2018 , 98,	2.6	2
13	Heavy polarons in ultracold atomic Fermi superfluids at the BEC-BCS crossover: Formalism and applications. <i>Physical Review A</i> , 2022 , 105,	2.6	2
12	Theory of strongly paired fermions with arbitrary short-range interactions. <i>Physical Review A</i> , 2020 , 101,	2.6	1
11	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,	2.6	1
10	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	2.5	1
9	Universal structure of a strongly interacting Fermi gas. <i>Journal of Physics: Conference Series</i> , 2011 , 264, 012013	0.3	1

8	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	1.2	1
7	Second sound attenuation near quantum criticality.. <i>Science</i> , 2022 , 375, 528-533	33.3	1
6	First-order Bose-Einstein condensation with three-body interacting bosons. <i>Physical Review A</i> , 2021 , 104,	2.6	1
5	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,	2.6	1
4	Ultradilute self-bound quantum droplets in BoseBose mixtures at finite temperature*. <i>Chinese Physics B</i> , 2021 , 30, 010306	1.2	1
3	Fermi polarons at finite temperature: Spectral function and rf spectroscopy. <i>Physical Review A</i> , 2022 , 105,	2.6	1
2	Exact Quasiparticle Properties of a Heavy Polaron in BCS Fermi Superfluids.. <i>Physical Review Letters</i> , 2022 , 128, 175301	7.4	1
1	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	2.3	