

# Hui Hu

## List of Publications by Year in descending order

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183  
papers

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2238  
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#	ARTICLE	IF	CITATIONS
1	Second sound attenuation near quantum criticality. <i>Science</i> , 2022, 375, 528-533.	6.0	15
2	Crossover polarons in a strongly interacting Fermi superfluid. <i>Physical Review A</i> , 2022, 105, .	1.0	15
3	Fermi polarons at finite temperature: Spectral function and rf spectroscopy. <i>Physical Review A</i> , 2022, 105, .	1.0	11
4	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
5	Exact Quasiparticle Properties of a Heavy Polaron in BCS Fermi Superfluids. <i>Physical Review Letters</i> , 2022, 128, 175301.	2.9	14
6	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
7	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
8	Ultradilute self-bound quantum droplets in Bose�Bose mixtures at finite temperature*. <i>Chinese Physics B</i> , 2021, 30, 010306.	0.7	8
9	First-order Bose-Einstein condensation with three-body interacting bosons. <i>Physical Review A</i> , 2021, 104, .	1.0	4
10	Photoexcitation measurement of Tan's contact for a strongly interacting Fermi gas. <i>Physical Review A</i> , 2021, 104, .	1.0	0
11	Quantum fluctuations in a strongly interacting Bardeen-Cooper-Schrieffer polariton condensate at thermal equilibrium. <i>Physical Review A</i> , 2020, 101, .	1.0	15
12	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
13	Consistent Theory of Self-Bound Quantum Droplets with Bosonic Pairing. <i>Physical Review Letters</i> , 2020, 125, 195302.	2.9	39
14	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
15	Collective excitations of a spherical ultradilute quantum droplet. <i>Physical Review A</i> , 2020, 102, .	1.0	27
16	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
17	Theory of strongly paired fermions with arbitrary short-range interactions. <i>Physical Review A</i> , 2020, 101, .	1.0	6
18	Few-Body Perspective of a Quantum Anomaly in Two-Dimensional Fermi Gases. <i>Physical Review Letters</i> , 2020, 124, 013401.	2.9	9

#	ARTICLE	IF	CITATIONS
19	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
20	Effective theory for ultracold strongly interacting fermionic atoms in two dimensions. <i>Physical Review A</i> , 2020, 101, .	1.0	7
21	Thermal destabilization of self-bound ultradilute quantum droplets. <i>New Journal of Physics</i> , 2020, 22, 103044.	1.2	15
22	Angular stripe phase in spin-orbital-angular-momentum coupled Bose condensates. <i>Physical Review Research</i> , 2020, 2, .	1.3	13
23	Polariton-polariton interaction beyond the Born approximation: A toy model study. <i>Physical Review A</i> , 2020, 102, .	1.0	4
24	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
25	Cluster Formation in Two-Component Fermi Gases. <i>Physical Review Letters</i> , 2019, 123, 073401.	2.9	5
26	Spin-exchange-induced exotic superfluids in a Bose-Fermi spinor mixture. <i>Physical Review A</i> , 2019, 100, .	1.0	11
27	Contact and Sum Rules in a Near-Uniform Fermi Gas at Unitarity. <i>Physical Review Letters</i> , 2019, 122, 203401.	2.9	44
28	Breakdown of the Fermi polaron description near Fermi degeneracy at unitarity. <i>Annals of Physics</i> , 2019, 407, 29-45.	1.0	22
29	Leggett mode in a two-component Fermi gas with dipolar interactions. <i>Physical Review A</i> , 2019, 99, .	1.0	2
30	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
31	Roton-Induced Bose Polaron in the Presence of Synthetic Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2019, 123, 213401.	2.9	11
32	Pseudopotentials for two-dimensional ultracold scattering in the presence of synthetic spin-orbit coupling. <i>Physical Review A</i> , 2019, 100, .	1.0	0
33	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
34	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
35	Strongly interacting Sarma superfluid near orbital Feshbach resonances. <i>Physical Review A</i> , 2018, 97, .	1.0	13
36	Realizing Fulde-Ferrell Superfluids via a Dark-State Control of Feshbach Resonances. <i>Physical Review Letters</i> , 2018, 120, 045302.	2.9	16

#	ARTICLE	IF	CITATIONS
37	Quantum fluctuations of a resonantly interacting $p$ -wave Fermi superfluid in two dimensions. Physical Review A, 2018, 98, .	1.0	6
38	Polaron in a non-Abelian Aubry-Andr�-Harper model with $p$ -wave superfluidity. Physical Review A, 2018, 98, .	1.0	4
39	Collective modes of a two-dimensional Fermi gas at finite temperature. Physical Review A, 2018, 97, .	1.0	13
40	Time evolution of quantum entanglement of an EPR pair in a localized environment. New Journal of Physics, 2018, 20, 053015.	1.2	4
41	Breathing-mode frequency of a strongly interacting Fermi gas across the two- to three-dimensional crossover. Physical Review A, 2018, 97, .	1.0	9
42	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
43	Quantum depletion and superfluid density of a supersolid in Raman spin-orbit-coupled Bose gases. Physical Review A, 2018, 98, .	1.0	23
44	Attractive Fermi polarons at nonzero temperatures with a finite impurity concentration. Physical Review A, 2018, 98, .	1.0	41
45	Exotic topological states with Raman-induced spin-orbit coupling. Physical Review A, 2017, 95, .	1.0	4
46	Larkin-Ovchinnikov superfluidity in a two-dimensional imbalanced atomic Fermi gas. Physical Review A, 2017, 95, .	1.0	12
47	Dimensional crossover in a strongly interacting ultracold atomic Fermi gas. Physical Review A, 2017, 96, .	1.0	9
48	Quantum and thermal fluctuations in a Raman spin-orbit-coupled Bose gas. Physical Review A, 2017, 96, .	1.0	10
49	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
50	Large-momentum distribution of a polarized Fermi gas and $p$ -wave contacts. Physical Review A, 2016, 94, .	1.0	28
51	Many-body localization in Ising models with random long-range interactions. Physical Review A, 2016, 94, .	1.0	19
52	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
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	Traveling Majorana Solitons in a Low-Dimensional Spin-Orbit-Coupled Fermi Superfluid. Physical Review Letters, 2016, 117, 225302.	2.9	12

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55	Criteria for two-dimensional kinematics in an interacting Fermi gas. <i>Physical Review A</i> , 2016, 93, .	1.0	27
56	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
57	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
58	Stoner ferromagnetism of a strongly interacting Fermi gas in the quasirepulsive regime. <i>Physical Review A</i> , 2016, 93, .	1.0	20
59	Phase diagram of a non-Abelian Aubry-Andr�-Harper model with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \text{-wave superfluidity}$ . <i>Physical Review B</i> , 2016, 93, .	1.1	67
60	Beyond Gaussian pair fluctuation theory for strongly interacting Fermi gases. <i>Physical Review A</i> , 2016, 94, .	1.0	5
61	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
62	Thermodynamics of an Attractive 2D Fermi Gas. <i>Physical Review Letters</i> , 2016, 116, 045302.	2.9	83
63	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
64	Comparison of strong-coupling theories for a two-dimensional Fermi gas. <i>Physical Review A</i> , 2015, 92, .	1.0	26
65	Quantum fluctuations in the BCS-BEC crossover of two-dimensional Fermi gases. <i>Physical Review A</i> , 2015, 92, .	1.0	73
66	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
67	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
68	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
69	Two-band description of resonant superfluidity in atomic Fermi gases. <i>Physical Review A</i> , 2015, 91, .	1.0	13
70	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
71	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
72	Tuning a magnetic Feshbach resonance with spatially modulated laser light. <i>Physical Review A</i> , 2014, 90, .	1.0	8

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73	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
74	Collective modes of a one-dimensional trapped atomic Bose gas at finite temperatures. <i>Physical Review A</i> , 2014, 90, .	1.0	20
75	Spin-orbit-coupled topological Fulde-Ferrell states of fermions in a harmonic trap. <i>Physical Review A</i> , 2014, 90, .	1.0	11
76	First and second sound of a unitary Fermi gas in highly elongated harmonic traps. <i>Physical Review A</i> , 2014, 90, .	1.0	1
77	Gapless topological Fulde-Ferrell superfluidity induced by an in-plane Zeeman field. <i>Physical Review A</i> , 2014, 90, .	1.0	20
78	Three-component topological superfluid in one-dimensional Fermi gases with spin-orbit coupling. <i>Physical Review A</i> , 2014, 90, .	1.0	3
79	Gapless Topological Fulde-Ferrell Superfluidity in Spin-Orbit Coupled Fermi Gases. <i>Physical Review Letters</i> , 2014, 113, 115302.	2.9	43
80	First and second sound in a two-dimensional harmonically trapped Bose gas across the Berezinskiiâ€“Kosterlitzâ€“Thouless transition. <i>Annals of Physics</i> , 2014, 351, 531-539.	1.0	5
81	A one-dimensional liquid of fermions with tunable spin. <i>Nature Physics</i> , 2014, 10, 198-201.	6.5	323
82	FERMI GASES WITH SYNTHETIC SPINâ€“ORBIT COUPLING. <i>Annual Review of Cold Atoms and Molecules</i> , 2014, , 81-143.	2.8	60
83	Universal Impurity-Induced Bound State in Topological Superfluids. <i>Physical Review Letters</i> , 2013, 110, 020401.	2.9	48
84	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
85	Inhomogeneous Fulde-Ferrell superfluidity in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2013, 87, .	1.0	36
86	Fuldeâ€“Ferrell superfluidity in ultracold Fermi gases with Rashba spinâ€“orbit coupling. <i>New Journal of Physics</i> , 2013, 15, 093037.	1.2	14
87	Probing the critical exponent of the superfluid fraction in a strongly interacting Fermi gas. <i>Physical Review A</i> , 2013, 88, .	1.0	0
88	Topological Fulde-Ferrell superfluid in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2013, 88, .	1.0	49
89	Finite-momentum dimer bound state in a spin-orbit-coupled Fermi gas. <i>Physical Review A</i> , 2013, 87, .	1.0	50
90	Ultracold Fermi Gases with Resonant Dipole-Dipole Interaction. <i>Physical Review Letters</i> , 2013, 110, 045301.	2.9	15

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91	BCS-BEC crossover at finite temperature in spin-orbit-coupled Fermi gases. <i>Physical Review A</i> , 2013, 87, .	1.0	18
92	Optical control of a magnetic Feshbach resonance in an ultracold Fermi gas. <i>Physical Review A</i> , 2013, 88, .	1.0	28
93	Radio-frequency spectroscopy of a strongly interacting spin-orbit-coupled Fermi gas. <i>Physical Review A</i> , 2013, 87, .	1.0	50
94	Precise Determination of the Structure Factor and Contact in a Unitary Fermi Gas. <i>Physical Review Letters</i> , 2013, 110, 055305.	2.9	96
95	Spin-Orbit Coupled Weakly Interacting Bose-Einstein Condensates in Harmonic Traps. <i>Physical Review Letters</i> , 2012, 108, 010402.	2.9	273
96	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
97	Radio-frequency spectroscopy of weakly bound molecules in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2012, 86, .	1.0	16
98	Topological superfluid in one-dimensional spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2012, 85, .	1.0	76
99	Half-quantum vortex state in a spin-orbit-coupled Bose-Einstein condensate. <i>Physical Review A</i> , 2012, 85, .	1.0	143
100	Probing Majorana fermions in spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2012, 85, .	1.0	78
101	Critical temperature of a Rashba spin-orbit-coupled Bose gas in a harmonic trap. <i>Physical Review A</i> , 2012, 85, .	1.0	27
102	Two-channel-model description of confinement-induced Feshbach molecules. <i>Physical Review A</i> , 2012, 86, .	1.0	7
103	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
104	Universal dynamic structure factor of a strongly correlated Fermi gas. <i>Physical Review A</i> , 2012, 85, .	1.0	21
105	Many-body theories of density response for a strongly correlated Fermi gas. <i>Frontiers of Physics</i> , 2012, 7, 98-108.	2.4	4
106	Universal structure of a strongly interacting Fermi gas. <i>Journal of Physics: Conference Series</i> , 2011, 264, 012013.	0.3	1
107	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
108	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

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109	Universal contact of strongly interacting fermions at finite temperatures. <i>New Journal of Physics</i> , 2011, 13, 035007.	1.2	59
110	Density distribution of a trapped two-dimensional strongly interacting Fermi gas. <i>New Journal of Physics</i> , 2011, 13, 113032.	1.2	40
111	Crossover from 2D to 3D in a Weakly Interacting Fermi Gas. <i>Physical Review Letters</i> , 2011, 106, 105304.	2.9	113
112	Rashba spin-orbit-coupled atomic Fermi gases. <i>Physical Review A</i> , 2011, 84, .	1.0	77
113	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
114	Confinement-induced resonances in anharmonic waveguides. <i>Physical Review A</i> , 2011, 84, .	1.0	36
115	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
116	Single impurity in ultracold Fermi superfluids. <i>Physical Review A</i> , 2011, 83, .	1.0	40
117	Josephson effect in an atomic Fulde-Ferrell-Larkin-Ovchinnikov superfluid. <i>Physical Review A</i> , 2011, 83, .	1.0	8
118	Temperature Dependence of the Universal Contact Parameter in a Unitary Fermi Gas. <i>Physical Review Letters</i> , 2011, 106, 170402.	2.9	71
119	Probing Anisotropic Superfluidity in Atomic Fermi Gases with Rashba Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2011, 107, 195304.	2.9	194
120	Static structure factor of a strongly correlated Fermi gas at large momenta. <i>Europhysics Letters</i> , 2010, 91, 20005.	0.7	30
121	First-principles many-body theory for ultra-cold atoms. , 2010, , .		0
122	Three attractively interacting fermions in a harmonic trap: Exact solution, ferromagnetism, and high-temperature thermodynamics. <i>Physical Review A</i> , 2010, 82, .	1.0	82
123	Universal Behavior of Pair Correlations in a Strongly Interacting Fermi Gas. <i>Physical Review Letters</i> , 2010, 105, 070402.	2.9	158
124	Confinement-induced resonance in quasi-one-dimensional systems under transversely anisotropic confinement. <i>Physical Review A</i> , 2010, 82, .	1.0	32
125	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
126	Virial expansion for a strongly correlated Fermi gas with imbalanced spin populations. <i>Physical Review A</i> , 2010, 82, .	1.0	24



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127	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
128	Dynamic response of strongly correlated Fermi gases in the quantum virial expansion. <i>Physical Review A</i> , 2010, 81, .	1.0	19
129	Pseudogap Pairing in Ultracold Fermi Atoms. <i>Physical Review Letters</i> , 2010, 104, 240407.	2.9	74
130	Exact few-body results for strongly correlated quantum gases in two dimensions. <i>Physical Review B</i> , 2010, 82, .	1.1	68
131	Universal thermodynamics of a strongly interacting Fermi gas: theory versus experiment. <i>New Journal of Physics</i> , 2010, 12, 063038.	1.2	57
132	Second sound and the density response function in uniform superfluid atomic gases. <i>New Journal of Physics</i> , 2010, 12, 043040.	1.2	31
133	Virial Expansion for a Strongly Correlated Fermi Gas. <i>Physical Review Letters</i> , 2009, 102, 160401.	2.9	144
134	Theory of strongly interacting Fermi gases. <i>Journal of Modern Optics</i> , 2009, 56, 2076-2081.	0.6	2
135	First and second sound in a strongly interacting Fermi gas. <i>Physical Review A</i> , 2009, 80, .	1.0	46
136	UNIVERSALITY IN STRONGLY INTERACTING FERMI GASES. , 2009, , .		0
137	Variational theory of two-fluid hydrodynamic modes at unitarity. <i>Physical Review A</i> , 2008, 77, .	1.0	25
138	Comparative study of strong-coupling theories of a trapped Fermi gas at unitarity. <i>Physical Review A</i> , 2008, 77, .	1.0	50
139	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
140	Multicomponent strongly attractive Fermi gas: A color superconductor in a one-dimensional harmonic trap. <i>Physical Review A</i> , 2008, 77, .	1.0	30
141	Universal thermodynamics of strongly interacting Fermi gases. , 2007, , .		0
142	Visualization of Vortex Bound States in Polarized Fermi Gases at Unitarity. <i>Physical Review Letters</i> , 2007, 98, 060406.	2.9	22
143	Density fingerprint of giant vortices in Fermi gases near a Feshbach resonance. <i>Physical Review A</i> , 2007, 75, .	1.0	9
144	Phase Diagram of a Strongly Interacting Polarized Fermi Gas in One Dimension. <i>Physical Review Letters</i> , 2007, 98, 070403.	2.9	205

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145	Fulde-Ferrell-Larkin-Ovchinnikov states in one-dimensional spin-polarized ultracold atomic Fermi gases. <i>Physical Review A</i> , 2007, 76, .	1.0	105
146	Mean-field thermodynamics of a spin-polarized spherically trapped Fermi gas at unitarity. <i>Physical Review A</i> , 2007, 75, .	1.0	50
147	Universal thermodynamics of strongly interacting Fermi gases. <i>Nature Physics</i> , 2007, 3, 469-472.	6.5	125
148	Universal Thermodynamic Behavior of Strongly Interacting Fermi Gases. , 2007, , .		0
149	Strongly Interacting Polarized Fermi Gases. , 2007, , .		0
150	Equation of state of a superfluid Fermi gas in the BCS-BEC crossover. <i>Europhysics Letters</i> , 2006, 74, 574-580.	0.7	165
151	BCS-BEC crossover in an asymmetric two-component Fermi gas. <i>Europhysics Letters</i> , 2006, 75, 364-370.	0.7	62
152	Temperature of a trapped unitary Fermi gas at finite entropy. <i>Physical Review A</i> , 2006, 73, .	1.0	53
153	Mean-field phase diagrams of imbalanced Fermi gases near a Feshbach resonance. <i>Physical Review A</i> , 2006, 73, .	1.0	111
154	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
155	Ultra-cold hubbard fermions in optical lattices. , 2005, , .		0
156	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
157	Ultra-cold fermions in optical lattices. <i>Journal of Modern Optics</i> , 2005, 52, 2261-2268.	0.6	2
158	Collective Modes and Ballistic Expansion of a Fermi Gas in the BCS-BEC Crossover. <i>Physical Review Letters</i> , 2004, 93, 190403.	2.9	130
159	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
160	Tunneling into Multiwalled Carbon Nanotubes: Coulomb Blockade and the Fano Resonance. <i>Physical Review Letters</i> , 2003, 91, 076801.	2.9	54
161	Expansion of a quantum degenerate boson-fermion mixture. <i>Physical Review A</i> , 2003, 67, .	1.0	20
162	Finite-temperature excitations of a trapped Bose-Fermi mixture. <i>Physical Review A</i> , 2003, 68, .	1.0	12

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163	Collisionless and hydrodynamic excitations of trapped boson-fermion mixtures. <i>Physical Review A</i> , 2003, 67, .	1.0	45
164	Thermodynamics of a trapped Bose-Fermi mixture. <i>Physical Review A</i> , 2003, 68, .	1.0	19
165	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
166	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
167	Finite-temperature effects on the collapse of trapped Bose-Fermi mixtures. <i>Physical Review A</i> , 2003, 68, .	1.0	26
168	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
169	Aharonov-Bohm effect of excitons in nanorings. <i>Physical Review B</i> , 2001, 63, .	1.1	83
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	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
173	Low-energy exciton states in a nanoscopic semiconducting ring. <i>Physical Review B</i> , 2001, 63, .	1.1	13
174	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
175	Fragmented Condensate Ground State of Trapped Weakly Interacting Bosons in Two Dimensions. <i>Physical Review Letters</i> , 2001, 87, 030404.	2.9	20
176	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
177	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
178	Topological phase interference effects in resonant quantum tunneling of the $\vec{N}$ vector between nonequivalent magnetic wells in mesoscopic single-domain antiferromagnets. <i>European Physical Journal B</i> , 2000, 14, 349-361.	0.6	4
179	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
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