

Luca Salasnich

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215
papers

4,460
citations

35
h-index

57
g-index

233
ext. papers

4,971
ext. citations

2.5
avg, IF

6.08
L-index

#	Paper	IF	Citations
215	Effective wave equations for the dynamics of cigar-shaped and disk-shaped Bose condensates. <i>Physical Review A</i> , 2002 , 65,	2.6	479
214	Modulational instability and complex dynamics of confined matter-wave solitons. <i>Physical Review Letters</i> , 2003 , 91, 080405	7.4	158
213	Bulk and collective properties of a dilute Fermi gas in the BCS-BEC crossover. <i>Physical Review A</i> , 2005 , 71,	2.6	145
212	Condensate bright solitons under transverse confinement. <i>Physical Review A</i> , 2002 , 66,	2.6	97
211	Structure and stability of bosonic clouds: Alkali-metal atoms with negative scattering length. <i>Physical Review A</i> , 1998 , 57, R3180-R3183	2.6	91
210	Superfluid Bose-Fermi mixture from weak coupling to unitarity. <i>Physical Review A</i> , 2008 , 78,	2.6	90
209	Vector solitons in nearly one-dimensional Bose-Einstein condensates. <i>Physical Review A</i> , 2006 , 74,	2.6	86
208	Localized modes in dense repulsive and attractive Bose-Einstein condensates with spin-orbit and Rabi couplings. <i>Physical Review A</i> , 2013 , 87,	2.6	85
207	Observation of quantum droplets in a heteronuclear bosonic mixture. <i>Physical Review Research</i> , 2019 , 1,	3.9	76
206	Condensate fraction of a Fermi gas in the BCS-BEC crossover. <i>Physical Review A</i> , 2005 , 72,	2.6	71
205	Extended Thomas-Fermi density functional for the unitary Fermi gas. <i>Physical Review A</i> , 2008 , 78,	2.6	68
204	Oscillation frequencies for a Bose condensate in a triaxial magnetic trap. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 249, 495-500	2.3	66
203	Localized modes in quasi-two-dimensional Bose-Einstein condensates with spin-orbit and Rabi couplings. <i>Physical Review A</i> , 2014 , 90,	2.6	65
202	1/f alpha noise in spectral fluctuations of quantum systems. <i>Physical Review Letters</i> , 2005 , 94, 084101	7.4	57
201	Ideal quantum gases in D-dimensional space and power-law potentials. <i>Journal of Mathematical Physics</i> , 2000 , 41, 8016-8024	1.2	55
200	Condensate fraction of a resonant Fermi gas with spin-orbit coupling in three and two dimensions. <i>Physical Review A</i> , 2011 , 84,	2.6	52
199	dc Josephson effect with Fermi gases in the Bose-Einstein regime. <i>Physical Review A</i> , 2009 , 79,	2.6	51

198	Macroscopic periodic tunneling of Fermi atoms in the BCS-BEC crossover. <i>Physical Review A</i> , 2008 , 77,	2.6	49
197	Localization of a Bose-Einstein condensate in a bichromatic optical lattice. <i>Physical Review A</i> , 2009 , 80,	2.6	47
196	Thermodynamics of multi-component Fermi vapours. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000 , 33, 3943-3952	1.3	47
195	Equation of state and self-bound droplet in Rabi-coupled Bose mixtures. <i>Scientific Reports</i> , 2017 , 7, 13358.9	3.9	46
194	Spontaneous symmetry breaking of Bose-Fermi mixtures in double-well potentials. <i>Physical Review A</i> , 2010 , 81,	2.6	45
193	Coherence and entanglement in the ground state of a bosonic Josephson junction: From macroscopic Schrödinger cat states to separable Fock states. <i>Physical Review A</i> , 2011 , 83,	2.6	44
192	Nonlinear Schrödinger equation for a superfluid Bose gas from weak coupling to unitarity: Study of vortices. <i>Physical Review A</i> , 2008 , 77,	2.6	43
191	Finite-element modelling of simple shear flow in Newtonian and non-Newtonian fluids around a circular rigid particle. <i>Journal of Structural Geology</i> , 2000 , 22, 683-692	3	43
190	Dynamics of a Bose-Einstein-condensate bright soliton in an expulsive potential. <i>Physical Review A</i> , 2004 , 70,	2.6	41
189	Pulsed macroscopic quantum tunneling of falling Bose-Einstein condensates. <i>Physical Review A</i> , 2001 , 64,	2.6	41
188	Expansion of a Fermi cloud in the BCS-BEC crossover. <i>Physical Review A</i> , 2006 , 73,	2.6	40
187	Transition from three dimensions to one dimension in Bose gases at zero temperature. <i>Physical Review A</i> , 2004 , 70,	2.6	40
186	Enhancement of four reflection shifts by a three-layer surface-plasmon resonance. <i>Physical Review A</i> , 2012 , 86,	2.6	39
185	Effective nonlinear Schrödinger equations for cigar-shaped and disc-shaped Fermi superfluids at unitarity. <i>New Journal of Physics</i> , 2009 , 11, 023011	2.9	39
184	Multiparameter generalization of nonextensive statistical mechanics. <i>Physical Review E</i> , 2002 , 65, 035106.4	6.4	39
183	Josephson physics of spin-orbit-coupled elongated Bose-Einstein condensates. <i>Physical Review A</i> , 2014 , 89,	2.6	38
182	Bosons in a toroidal trap: Ground state and vortices. <i>Physical Review A</i> , 1999 , 59, 2990-2995	2.6	38
181	Dimensional reduction in Bose-Einstein-condensed alkali-metal vapors. <i>Physical Review A</i> , 2004 , 69,	2.6	36

180	Atomic Josephson junction with two bosonic species. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 125301	1.3	35
179	Solitons and solitary vortices in pancake-shaped Bose-Einstein condensates. <i>Physical Review A</i> , 2009 , 79,	2.6	35
178	Periodic quantum tunnelling and parametric resonance with cigar-shaped Bose-Einstein condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002 , 35, 3205-3216	1.3	35
177	One-dimensional superfluid Bose-Fermi mixture: Mixing, demixing, and bright solitons. <i>Physical Review A</i> , 2007 , 76,	2.6	34
176	Zero-point energy of ultracold atoms. <i>Physics Reports</i> , 2016 , 640, 1-29	27.7	33
175	Matter-wave vortices in cigar-shaped and toroidal waveguides. <i>Physical Review A</i> , 2007 , 76,	2.6	33
174	Condensate fraction of a two-dimensional attractive Fermi gas. <i>Physical Review A</i> , 2007 , 76,	2.6	33
173	TIME-DEPENDENT VARIATIONAL APPROACH TO BOSE-EINSTEIN CONDENSATION. <i>International Journal of Modern Physics B</i> , 2000 , 14, 1-11	1.1	32
172	Solitons in the discrete nonpolynomial Schrödinger equation. <i>Physical Review A</i> , 2008 , 78,	2.6	30
171	Kirzhnits gradient expansion for aD-dimensional Fermi gas. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 9987-9992	2	30
170	Bose-Einstein condensates under a spatially modulated transverse confinement. <i>Physical Review A</i> , 2007 , 76,	2.6	30
169	Self-trapping, quantum tunneling, and decay rates for a Bose gas with attractive nonlocal interaction. <i>Physical Review A</i> , 1999 , 61,	2.6	30
168	Monte Carlo simulations of the unitary Bose gas. <i>Physical Review A</i> , 2014 , 89,	2.6	29
167	Self-bound droplet of Bose and Fermi atoms in one dimension: Collective properties in mean-field and Tonks-Girardeau regimes. <i>Physical Review A</i> , 2007 , 75,	2.6	29
166	Bose condensate in a double-well trap: Ground state and elementary excitations. <i>Physical Review A</i> , 1999 , 60, 4171-4174	2.6	28
165	Competition between the symmetry breaking and onset of collapse in weakly coupled atomic condensates. <i>Physical Review A</i> , 2010 , 81,	2.6	27
164	Nonlinear quantum model for atomic Josephson junctions with one and two bosonic species. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010 , 43, 065303	1.3	27
163	Hydrodynamics of Bose and Fermi superfluids at zero temperature: the superfluid nonlinear Schrödinger equation. <i>Laser Physics</i> , 2009 , 19, 642-646	1.2	27

162	Supersonic and subsonic shock waves in the unitary Fermi gas. <i>Europhysics Letters</i> , 2011 , 96, 40007	1.6	27
161	Quantum phases of attractive matter waves in a toroidal trap. <i>Physical Review A</i> , 2005 , 72,	2.6	27
160	Collective modes across the soliton-droplet crossover in binary Bose mixtures. <i>Physical Review A</i> , 2018 , 97,	2.6	27
159	Finite-temperature quantum fluctuations in two-dimensional Fermi superfluids. <i>Physical Review B</i> , 2016 , 93,	3.3	26
158	Entanglement entropy and macroscopic quantum states with dipolar bosons in a triple-well potential. <i>Physical Review A</i> , 2013 , 87,	2.6	26
157	Shock waves in strongly interacting Fermi gas from time-dependent density functional calculations. <i>Physical Review A</i> , 2012 , 85,	2.6	26
156	Superfluidity, sound velocity, and quasicondensation in the two-dimensional BCS-BEC crossover. <i>Physical Review A</i> , 2013 , 88,	2.6	25
155	Nearly-one-dimensional self-attractive Bose-Einstein condensates in optical lattices. <i>Physical Review A</i> , 2007 , 75,	2.6	25
154	Superfluid Filaments of Dipolar Bosons in Free Space. <i>Physical Review Letters</i> , 2017 , 119, 215302	7.4	24
153	Generalized nonpolynomial Schrödinger equations for matter waves under anisotropic transverse confinement. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009 , 42, 335205	2	24
152	Rabi-Josephson oscillations and self-trapped dynamics in atomic junctions with two bosonic species. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 035301	1.3	24
151	Quasi-one-dimensional bosons in three-dimensional traps: From strong-coupling to weak-coupling regime. <i>Physical Review A</i> , 2005 , 72,	2.6	24
150	Bose-Einstein Condensation on the Surface of a Sphere. <i>Physical Review Letters</i> , 2019 , 123, 160403	7.4	22
149	Composite bosons in the two-dimensional BCS-BEC crossover from Gaussian fluctuations. <i>Physical Review A</i> , 2015 , 91,	2.6	20
148	Screening of pair fluctuations in superconductors with coupled shallow and deep bands: A route to higher-temperature superconductivity. <i>Physical Review B</i> , 2019 , 100,	3.3	19
147	Path-integral ground state and superfluid hydrodynamics of a bosonic gas of hard spheres. <i>Physical Review A</i> , 2013 , 88,	2.6	19
146	DC and AC Josephson effects with superfluid Fermi atoms across a Feshbach resonance. <i>Laser Physics</i> , 2009 , 19, 636-641	1.2	19
145	Dimensional reduction of a binary Bose-Einstein condensate in mixed dimensions. <i>Physical Review A</i> , 2010 , 82,	2.6	19

144	WKB to all orders and the accuracy of the semiclassical quantization. <i>Journal of Physics A</i> , 1997 , 30, 1711-1718	19
143	Mixing-demixing transition and collapse of a vortex state in a quasi-two-dimensional boson-fermion mixture. <i>Physical Review A</i> , 2007 , 75,	2.6 19
142	Quantum solitons in spin-orbit-coupled Bose-Bose mixtures. <i>Physical Review A</i> , 2019 , 99,	2.6 18
141	Tuning Rashba and Dresselhaus spin-orbit couplings: Effects on singlet and triplet condensation with Fermi atoms. <i>Physical Review A</i> , 2012 , 86,	2.6 18
140	Low-temperature thermodynamics of the unitary Fermi gas: Superfluid fraction, first sound, and second sound. <i>Physical Review A</i> , 2010 , 82,	2.6 18
139	WKB expansion for the angular momentum and the Kepler problem: from the torus quantization to the exact one. <i>Journal of Physics A</i> , 1997 , 30, 1719-1729	18
138	Surface effects in the unitary Fermi gas. <i>Laser Physics Letters</i> , 2010 , 7, 78-83	1.5 17
137	Bright solitons in ultracold atoms. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4 16
136	Quantum Chaos in a Yang-Mills-Higgs System. <i>Modern Physics Letters A</i> , 1997 , 12, 1473-1480	1.3 16
135	Fermi-Bose mixture across a Feshbach resonance. <i>Physical Review A</i> , 2007 , 75,	2.6 16
134	Viscosity-Entropy Ratio of the Unitary Fermi Gas from Zero-Temperature Elementary Excitations. <i>Journal of Low Temperature Physics</i> , 2011 , 165, 239-248	1.3 15
133	Stability of an attractive bosonic cloud with van der Waals interaction. <i>Physical Review A</i> , 2010 , 82,	2.6 15
132	Mean-field vs. Monte Carlo equation of state for the expansion of a Fermi superfluid in the BCS-BEC crossover. <i>Laser Physics</i> , 2007 , 17, 169-173	1.2 15
131	Thermodynamics of solitonic matter waves in a toroidal trap. <i>Physical Review A</i> , 2006 , 74,	2.6 15
130	Nonuniversal Equation of State of the Two-Dimensional Bose Gas. <i>Physical Review Letters</i> , 2017 , 118, 130402	7.4 14
129	Collapse of triaxial bright solitons in atomic Bose-Einstein condensates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 4434-4437	2.3 14
128	Colored noise in quantum chaos. <i>Physical Review E</i> , 2005 , 71, 047202	2.4 14
127	Quasi-one-dimensional Bose-Einstein condensates in nonlinear lattices. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 055302	1.3 13

126	Self-induced density modulations in the free expansion of Bose-Einstein condensates. <i>Physical Review A</i> , 2007 , 75,	2.6	13
125	Quantum bright solitons in a quasi-one-dimensional optical lattice. <i>Physical Review A</i> , 2014 , 89,	2.6	12
124	Resonances and chaos in the collective oscillations of a trapped Bose condensate. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000 , 266, 187-192	2.3	12
123	Quantum chaos in $A = 46\text{B}0$ atomic nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 365, 7-11	4.2	12
122	Self-trapping of Fermi and Bose gases under spatially modulated repulsive nonlinearity and transverse confinement. <i>Physical Review A</i> , 2013 , 87,	2.6	11
121	Condensate formation with three-component ultracold fermions. <i>Physical Review A</i> , 2011 , 83,	2.6	11
120	Quantum-tunneling dynamics of a spin-polarized Fermi gas in a double-well potential. <i>Physical Review A</i> , 2010 , 81,	2.6	11
119	Bosonic Clouds with Attractive Interaction Beyond the Local Interaction Approximation. <i>Journal of Low Temperature Physics</i> , 1998 , 113, 195-200	1.3	11
118	Shallow water theory and its application to the Venice lagoon. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1998 , 151, 63-74	5.7	11
117	Spectral statistics of calcium isotopes from realistic shell-model calculations. <i>Physical Review C</i> , 1998 , 58, 2108-2114	2.7	11
116	Tunneling dynamics of bosonic Josephson junctions assisted by a cavity field. <i>Physical Review A</i> , 2015 , 91,	2.6	10
115	Quantum Physics of Light and Matter. <i>UNITEXT for Physics</i> , 2014 ,	0.1	10
114	Beliaev damping of the Goldstone mode in atomic Fermi superfluids. <i>Physical Review A</i> , 2015 , 92,	2.6	10
113	Polarization of a quasi-two-dimensional repulsive Fermi gas with Rashba spin-orbit coupling: A variational study. <i>Physical Review A</i> , 2014 , 90,	2.6	10
112	Zero sound and first sound in a disk-shaped normal Fermi gas. <i>Physical Review A</i> , 2009 , 79,	2.6	10
111	Condensate fraction in neutron matter. <i>Physical Review C</i> , 2011 , 84,	2.7	10
110	The Role of Dimensionality in the Stability of a Confined Condensed Bose Gas. <i>Modern Physics Letters B</i> , 1997 , 11, 1249-1254	1.6	10
109	Dimensional effects on solitonic matter and optical waves with normal and anomalous dispersion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, 2839-2847	1.3	10

108	CRITICAL TEMPERATURE OF AN INTERACTING BOSE GAS IN A GENERIC POWER-LAW POTENTIAL. <i>International Journal of Modern Physics B</i> , 2002 , 16, 2185-2190	1.1	10
107	Chaos suppression in the SU(2) Yang-Mills-Higgs system. <i>Physical Review D</i> , 1995 , 52, 6189-6191	4.9	10
106	A Dual-Species Bose-Einstein Condensate with Attractive Interspecies Interactions. <i>Condensed Matter</i> , 2020 , 5, 21	1.8	10
105	Collision of impurities with Bose-Einstein condensates. <i>New Journal of Physics</i> , 2018 , 20, 045001	2.9	9
104	Vortex lattice in the crossover of a Bose gas from weak coupling to unitarity. <i>Scientific Reports</i> , 2018 , 8, 8825	4.9	9
103	Spontaneous symmetry breaking of fundamental states, vortices, and dipoles in two- and one-dimensional linearly coupled traps with cubic self-attraction. <i>Physical Review A</i> , 2017 , 96,	2.6	9
102	Destruction of attractive bosonic cloud due to high spatial coherence in tight trap. <i>Physical Review A</i> , 2011 , 84,	2.6	9
101	Spontaneous symmetry breaking and collapse in bosonic Josephson junctions. <i>Physical Review A</i> , 2010 , 82,	2.6	9
100	Effects of axial vorticity in elongated mixtures of Bose-Einstein condensates. <i>Physical Review A</i> , 2008 , 77,	2.6	9
99	Note on the Role of Dimensionality in the Stability of a Confined Condensed Bose Gas: Reply to a Comment. <i>Modern Physics Letters B</i> , 1998 , 12, 649-651	1.6	9
98	Collisionless dynamics in two-dimensional bosonic gases. <i>Physical Review A</i> , 2018 , 98,	2.6	9
97	Quenched Dynamics of the Momentum Distribution of the Unitary Bose Gas. <i>Few-Body Systems</i> , 2015 , 56, 801-807	1.6	8
96	Quantum Bubbles in Microgravity. <i>Physical Review Letters</i> , 2020 , 125, 010402	7.4	8
95	Application of the Feshbach-resonance management to a tightly confined Bose-Einstein condensate. <i>Physical Review A</i> , 2009 , 79,	2.6	8
94	Thermodynamics of a Trapped Bose Condensate with Negative Scattering Length. <i>Journal of Low Temperature Physics</i> , 2000 , 119, 57-77	1.3	8
93	DIFFERENT FACETS OF CHAOS IN QUANTUM MECHANICS. <i>International Journal of Modern Physics B</i> , 1999 , 13, 2343-2360	1.1	8
92	Dynamical Properties of the Unitary Fermi Gas: Collective Modes and Shock Waves. <i>Few-Body Systems</i> , 2013 , 54, 697-705	1.6	7
91	Localized solutions of Lugiato-Lefever equations with focused pump. <i>Scientific Reports</i> , 2017 , 7, 16876	4.9	7

90	Quantum bright solitons in the Bose-Hubbard model with site-dependent repulsive interactions. <i>Physical Review A</i> , 2014 , 90,	2.6	7
89	Pair condensation in the BCS-BEC crossover of ultracold atoms loaded onto a two-dimensional square lattice. <i>Physical Review A</i> , 2012 , 86,	2.6	7
88	Spectral distribution studies of fp shell nuclei with a modified Kuo-Brown interaction. <i>Physical Review C</i> , 1997 , 55, 1260-1265	2.7	7
87	Beyond mean-field theory for attractive bosons under transverse harmonic confinement. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, 1743-1750	1.3	7
86	BEC IN NONEXTENSIVE STATISTICAL MECHANICS: SOME ADDITIONAL RESULTS. <i>International Journal of Modern Physics B</i> , 2001 , 15, 1253-1256	1.1	7
85	INSTABILITIES, POINT ATTRACTORS AND LIMIT CYCLES IN AN INFLATIONARY UNIVERSE. <i>Modern Physics Letters A</i> , 1995 , 10, 3119-3127	1.3	7
84	From regular to chaotic states in atomic nuclei. <i>Rivista Del Nuovo Cimento</i> , 1994 , 17, 1-45	3.5	7
83	Effective-range signatures in quasi-1D matter waves: sound velocity and solitons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 115301	1.3	6
82	Itinerant ferromagnetism of two-dimensional repulsive fermions with Rabi coupling. <i>New Journal of Physics</i> , 2017 , 19, 043018	2.9	6
81	Ion collisions in very strong electric fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996 , 29, 751-760	1.3	6
80	Shell Effects in the First Sound Velocity of an Ultracold Fermi Gas. <i>Journal of Low Temperature Physics</i> , 2008 , 150, 643-648	1.3	6
79	BEC IN NONEXTENSIVE STATISTICAL MECHANICS. <i>International Journal of Modern Physics B</i> , 2000 , 14, 405-409	1.1	6
78	A CTMC Study of Collisions between Protons and H ₂ +Molecular Ions. <i>Physica Scripta</i> , 1998 , 58, 464-468	2.6	6
77	Chaos in coplanar classical collisions with particles interacting through r^{-4} forces. <i>Physical Review E</i> , 1999 , 59, 1246-1249	2.4	6
76	. <i>International Journal of Modern Physics B</i> , 2000 , 14, 405	1.1	6
75	Quenching dynamics of the bright solitons and other localized states in spin-orbit coupled Bose-Einstein condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020 , 53, 195301	1.3	6
74	Condensation and superfluidity of dilute Bose gases with finite-range interaction. <i>New Journal of Physics</i> , 2018 , 20, 125007	2.9	6
73	Vortices and antivortices in two-dimensional ultracold Fermi gases. <i>Scientific Reports</i> , 2017 , 7, 45702	4.9	5

72	Thermal field theory of bosonic gases with finite-range effective interaction. <i>Physical Review A</i> , 2017 , 95,	2.6	5
71	Emulation of lossless exciton-polariton condensates by dual-core optical waveguides: stability, collective modes, and dark solitons. <i>Physical Review E</i> , 2014 , 90, 043202	2.4	5
70	Zero-dimensional limit of the two-dimensional Lugiato-Lefever equation. <i>European Physical Journal D</i> , 2017 , 71, 1	1.3	5
69	Finite-range corrections to the thermodynamics of the one-dimensional Bose gas. <i>Physical Review A</i> , 2017 , 96,	2.6	5
68	Two-dimensional quasi-ideal Fermi gas with Rashba spin-orbit coupling. <i>Physical Review A</i> , 2013 , 88,	2.6	5
67	Spontaneous symmetry breaking in linearly coupled disk-shaped Bose-Einstein condensates. <i>Molecular Physics</i> , 2011 , 109, 2737-2745	1.7	5
66	Two routes to the one-dimensional discrete nonpolynomial Schrodinger equation. <i>Chaos</i> , 2009 , 19, 043105	1.5	5
65	On the convergence of the WKB series for the angular momentum operator. <i>Journal of Physics A</i> , 1997 , 30, 7597-7602		5
64	Charge-exchange processes between excited helium and fully stripped ions. <i>Physical Review A</i> , 1995 , 51, 4281-4283	2.6	5
63	Quantum Fluctuations and Vortex-Antivortex Unbinding in the 2D Bcs-Bec Crossover. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016 , 29, 3103-3106	1.5	5
62	Self-Consistent Derivation of the Modified Gross-Pitaevskii Equation with Lee-Huang-Yang Correction. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1998	2.6	5
61	Effect of a laser dip in the semiclassical dynamics of bosonic Josephson junctions. <i>Physical Review A</i> , 2014 , 90,	2.6	4
60	QUANTUM CHAOS IN VIBRATIONAL NUCLEI: THE GREEN FUNCTION APPROACH. <i>International Journal of Modern Physics E</i> , 1996 , 05, 521-532	0.7	4
59	Instability and chaos in spatially homogeneous field theories. <i>Journal of Mathematical Physics</i> , 1999 , 40, 4429-4443	1.2	4
58	QUANTAL OVERLAPPING RESONANCE CRITERION: THE PULLEN-EDMONDS MODEL. <i>Modern Physics Letters B</i> , 1995 , 09, 747-753	1.6	4
57	Accuracy of the semi-classical approximation: the Pullen-Edmonds Hamiltonian. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1994 , 109, 1147-1154		4
56	Short orbit distribution in the semiclassical limit of the SU(3) nuclear model. <i>Zeitschrift für Physik A</i> , 1992 , 343, 1-5		4
55	Nonequilibrium statistical mechanics in one-dimensional bose gases. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 063303	1.9	4

54	Quantum Correlations of Few Dipolar Bosons in a Double-Well Trap. <i>Journal of Low Temperature Physics</i> , 2016 , 185, 59-78	1.3	3
53	Dispersive Effects in the Unitary Fermi Gas. <i>Journal of Low Temperature Physics</i> , 2013 , 171, 329-340	1.3	3
52	Goldstone and Higgs Hydrodynamics in the BCS/BEC Crossover. <i>Condensed Matter</i> , 2017 , 2, 22	1.8	3
51	Photon-induced self-trapping and entanglement of a bosonic Josephson junction inside an optical resonator. <i>Physical Review A</i> , 2015 , 92,	2.6	3
50	From narrow to broad Feshbach resonances: Condensate fraction of Cooper pairs and preformed molecules. <i>Physical Review A</i> , 2012 , 86,	2.6	3
49	Collective modes in the anisotropic unitary Fermi gas and the inclusion of a backflow term. <i>Physical Review A</i> , 2013 , 88,	2.6	3
48	Chaotic features in classical scattering processes between ions and atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996 , 29, L699-L703	1.3	3
47	ORDER AND CHAOS IN ROTO-VIBRATIONAL STATES OF ATOMIC NUCLEI. <i>International Journal of Modern Physics E</i> , 1995 , 04, 625-636	0.7	3
46	Dimensional Reduction and Localization of a Bose-Einstein Condensate in a Quasi-1D Bichromatic Optical Lattice. <i>Acta Physica Polonica A</i> , 2015 , 128, 979-982	0.6	3
45	Dephasing/Rephasing dynamics of one-dimensional tunneling quasicondensates. <i>New Journal of Physics</i> , 2020 , 22, 073020	2.9	3
44	Shock waves in quasi one-dimensional Bose-Einstein condensate. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	3
43	Scattering length of composite bosons in the three-dimensional BCS-BEC crossover. <i>Physical Review A</i> , 2015 , 91,	2.6	2
42	Dark Solitons in the Unitary Bose Gas. <i>Symmetry</i> , 2020 , 12, 957	2.7	2
41	Renormalization of the superfluid density in the two-dimensional BCS-BEC crossover. <i>International Journal of Modern Physics B</i> , 2018 , 32, 1840022	1.1	2
40	Pair condensation of polarized fermions in the BCS/BEC crossover. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 195302	1.3	2
39	Critical velocity, vortex shedding, and drag in a unitary Fermi superfluid. <i>Physical Review A</i> , 2013 , 87,	2.6	2
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