

Luca Salasnich

List of Publications by Year in Descending Order

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

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	Reliability of the Ginzburg-Landau Theory in the BCS-BEC Crossover by Including Gaussian Fluctuations for 3D Attractive Fermions. <i>Condensed Matter</i> , 2021 , 6, 49	1.8	0
214	Sound modes in collisional superfluid Bose gases. <i>New Journal of Physics</i> , 2021 , 23, 043043	2.9	0
213	Acoustic Plasmons in Graphene Sandwiched between Two Metallic Slabs. <i>Symmetry</i> , 2021 , 13, 684	2.7	0
212	Propagation of first and second sound in a two-dimensional Fermi superfluid. <i>Physical Review A</i> , 2021 , 103,	2.6	1
211	Soliton trains after interaction quenches in Bose mixtures. <i>New Journal of Physics</i> , 2021 , 23, 023022	2.9	2
210	Finite-size effects in a bosonic Josephson junction. <i>Physical Review A</i> , 2021 , 103,	2.6	1
209	Quantum Bubbles in Microgravity. <i>Physical Review Letters</i> , 2020 , 125, 010402	7.4	8
208	Dark Solitons in the Unitary Bose Gas. <i>Symmetry</i> , 2020 , 12, 957	2.7	2
207	Matter-wave fractional revivals in a ring waveguide. <i>Physical Review A</i> , 2020 , 102,	2.6	2
206	Dephasing-Dephasing dynamics of one-dimensional tunneling quasicondensates. <i>New Journal of Physics</i> , 2020 , 22, 073020	2.9	3
205	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
204	Josephson effect with superfluid fermions in the two-dimensional BCS-BEC crossover. <i>Physical Review A</i> , 2020 , 102,	2.6	1
203	A Dual-Species Bose-Einstein Condensate with Attractive Interspecies Interactions. <i>Condensed Matter</i> , 2020 , 5, 21	1.8	10
202	Quantum solitons in spin-orbit-coupled Bose-Bose mixtures. <i>Physical Review A</i> , 2019 , 99,	2.6	18
201	Superfluids, Fluctuations and Disorder. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1498	2.6	1
200	Power Spectrum and Diffusion of the Amari Neural Field. <i>Symmetry</i> , 2019 , 11, 134	2.7	0
199	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

198	Correlation Dynamics of Dipolar Bosons in 1D Triple Well Optical Lattice. <i>Symmetry</i> , 2019 , 11, 909	2.7	
197	Bose-Einstein Condensation on the Surface of a Sphere. <i>Physical Review Letters</i> , 2019 , 123, 160403	7.4	22
196	Observation of quantum droplets in a heteronuclear bosonic mixture. <i>Physical Review Research</i> , 2019 , 1,	3.9	76
195	Polarization in a three-dimensional Fermi gas with Rabi coupling. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019 , 52, 035301	1.3	2
194	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
193	Collision of impurities with Bose-Einstein condensates. <i>New Journal of Physics</i> , 2018 , 20, 045001	2.9	9
192	Asymmetric many-body loss in a bosonic double well. <i>Physical Review A</i> , 2018 , 97,	2.6	1
191	Spontaneous Symmetry Breaking and Higgs Mode: Comparing Gross-Pitaevskii and Nonlinear Klein-Gordon Equations. <i>Symmetry</i> , 2018 , 10, 80	2.7	1
190	Vortex lattice in the crossover of a Bose gas from weak coupling to unitarity. <i>Scientific Reports</i> , 2018 , 8, 8825	4.9	9
189	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
188	Condensation and superfluidity of dilute Bose gases with finite-range interaction. <i>New Journal of Physics</i> , 2018 , 20, 125007	2.9	6
187	Collisionless dynamics in two-dimensional bosonic gases. <i>Physical Review A</i> , 2018 , 98,	2.6	9
186	Collective modes across the soliton-droplet crossover in binary Bose mixtures. <i>Physical Review A</i> , 2018 , 97,	2.6	27
185	Vortices and antivortices in two-dimensional ultracold Fermi gases. <i>Scientific Reports</i> , 2017 , 7, 45702	4.9	5
184	Tunable zero and first sounds in ultracold Fermi gases with Rabi coupling. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017 , 2017, 043107	1.9	1
183	Nonuniversal Equation of State of the Two-Dimensional Bose Gas. <i>Physical Review Letters</i> , 2017 , 118, 130402	7.4	14
182	Thermal field theory of bosonic gases with finite-range effective interaction. <i>Physical Review A</i> , 2017 , 95,	2.6	5
181	Equation of state and self-bound droplet in Rabi-coupled Bose mixtures. <i>Scientific Reports</i> , 2017 , 7, 13358	3.9	46

180	Itinerant ferromagnetism of two-dimensional repulsive fermions with Rabi coupling. <i>New Journal of Physics</i> , 2017 , 19, 043018	2.9	6
179	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
178	Bright solitons in ultracold atoms. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	16
177	Superfluid Filaments of Dipolar Bosons in Free Space. <i>Physical Review Letters</i> , 2017 , 119, 215302	7.4	24
176	Zero-dimensional limit of the two-dimensional Lugiato-Lefever equation. <i>European Physical Journal D</i> , 2017 , 71, 1	1.3	5
175	Localized solutions of Lugiato-Lefever equations with focused pump. <i>Scientific Reports</i> , 2017 , 7, 16876	4.9	7
174	Finite-range corrections to the thermodynamics of the one-dimensional Bose gas. <i>Physical Review A</i> , 2017 , 96,	2.6	5
173	Goldstone and Higgs Hydrodynamics in the BCSBEC Crossover. <i>Condensed Matter</i> , 2017 , 2, 22	1.8	3
172	Finite-temperature quantum fluctuations in two-dimensional Fermi superfluids. <i>Physical Review B</i> , 2016 , 93,	3.3	26
171	Zero-point energy of ultracold atoms. <i>Physics Reports</i> , 2016 , 640, 1-29	27.7	33
170	Dynamical Spin Properties of Confined Fermi and Bose Systems in the Presence of Spin-Orbit Coupling. <i>Journal of Low Temperature Physics</i> , 2016 , 185, 3-25	1.3	1
169	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
168	Reliable Equation of State for Composite Bosons in the 2D BCS-BEC Crossover. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016 , 29, 697-700	1.5	1
167	Localized-interaction-induced quantum reflection and filtering of bosonic matter in a one-dimensional lattice guide. <i>New Journal of Physics</i> , 2016 , 18, 055007	2.9	1
166	Nonequilibrium statistical mechanics in one-dimensional bose gases. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 063303	1.9	4
165	Gaussian fluctuations in the two-dimensional BCS-BEC crossover: finite temperature properties. <i>Journal of Physics: Conference Series</i> , 2016 , 691, 012018	0.3	2
164	Shock waves in quasi one-dimensional Bose-Einstein condensate. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	3
163	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

162	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
161	Tunneling dynamics of bosonic Josephson junctions assisted by a cavity field. <i>Physical Review A</i> , 2015 , 91,	2.6	10
160	Scattering length of composite bosons in the three-dimensional BCS-BEC crossover. <i>Physical Review A</i> , 2015 , 91,	2.6	2
159	Quenched Dynamics of the Momentum Distribution of the Unitary Bose Gas. <i>Few-Body Systems</i> , 2015 , 56, 801-807	1.6	8
158	Beliaev damping of the Goldstone mode in atomic Fermi superfluids. <i>Physical Review A</i> , 2015 , 92,	2.6	10
157	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
156	Density functional theory of a trapped Bose gas with tunable scattering length: From weak-coupling to unitarity. <i>European Physical Journal: Special Topics</i> , 2015 , 224, 565-569	2.3	1
155	Composite bosons in the two-dimensional BCS-BEC crossover from Gaussian fluctuations. <i>Physical Review A</i> , 2015 , 91,	2.6	20
154	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
153	Discrete Bright Solitons in Bose-Einstein Condensates and Dimensional Reduction in Quantum Field Theory. <i>Springer Series in Materials Science</i> , 2015 , 455-472	0.9	
152	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
151	Quantum bright solitons in a quasi-one-dimensional optical lattice. <i>Physical Review A</i> , 2014 , 89,	2.6	12
150	Josephson physics of spin-orbit-coupled elongated Bose-Einstein condensates. <i>Physical Review A</i> , 2014 , 89,	2.6	38
149	Quantum Physics of Light and Matter. <i>UNITEXT for Physics</i> , 2014 ,	0.1	10
148	Fermionic condensation in ultracold atoms, nuclear matter and neutron stars. <i>Journal of Physics: Conference Series</i> , 2014 , 497, 012026	0.3	1
147	Quantum bright solitons in the Bose-Hubbard model with site-dependent repulsive interactions. <i>Physical Review A</i> , 2014 , 90,	2.6	7
146	Superfluid hydrodynamics of polytropic gases: dimensional reduction and sound velocity. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014 , 47, 095201	2	
145	Effect of a laser dip in the semiclassical dynamics of bosonic Josephson junctions. <i>Physical Review A</i> , 2014 , 90,	2.6	4

144	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
143	Monte Carlo simulations of the unitary Bose gas. <i>Physical Review A</i> , 2014 , 89,	2.6	29
142	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
141	Pair condensation of polarized fermions in the BCSBEC crossover. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 195302	1.3	2
140	Contact Intensity and Extended Hydrodynamics in the BCS-BEC Crossover. <i>Advances in Dynamics, Patterns, Cognition</i> , 2014 , 131-146	0.7	
139	Dynamical Properties of the Unitary Fermi Gas: Collective Modes and Shock Waves. <i>Few-Body Systems</i> , 2013 , 54, 697-705	1.6	7
138	Path-integral ground state and superfluid hydrodynamics of a bosonic gas of hard spheres. <i>Physical Review A</i> , 2013 , 88,	2.6	19
137	Dispersive Effects in the Unitary Fermi Gas. <i>Journal of Low Temperature Physics</i> , 2013 , 171, 329-340	1.3	3
136	Superfluidity, sound velocity, and quasicondensation in the two-dimensional BCS-BEC crossover. <i>Physical Review A</i> , 2013 , 88,	2.6	25
135	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
134	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
133	Entanglement entropy and macroscopic quantum states with dipolar bosons in a triple-well potential. <i>Physical Review A</i> , 2013 , 87,	2.6	26
132	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
131	Critical velocity, vortex shedding, and drag in a unitary Fermi superfluid. <i>Physical Review A</i> , 2013 , 87,	2.6	2
130	Two-dimensional quasi-ideal Fermi gas with Rashba spin-orbit coupling. <i>Physical Review A</i> , 2013 , 88,	2.6	5
129	Three-component Fermi gas with SU(3) symmetry: BCSBEC crossover in three and two dimensions. <i>Laser Physics</i> , 2013 , 23, 015503	1.2	1
128	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
127	From narrow to broad Feshbach resonances: Condensate fraction of Cooper pairs and preformed molecules. <i>Physical Review A</i> , 2012 , 86,	2.6	3

126	Enhancement of four reflection shifts by a three-layer surface-plasmon resonance. <i>Physical Review A</i> , 2012 , 86,	2.6	39
125	Finite temperature effects in two-mode bosonic Josephson junctions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 185301	1.3	2
124	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
123	Shock waves in strongly interacting Fermi gas from time-dependent density functional calculations. <i>Physical Review A</i> , 2012 , 85,	2.6	26
122	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
121	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
120	Spontaneous symmetry breaking in linearly coupled disk-shaped Bose-Einstein condensates. <i>Molecular Physics</i> , 2011 , 109, 2737-2745	1.7	5
119	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
118	Supersonic and subsonic shock waves in the unitary Fermi gas. <i>Europhysics Letters</i> , 2011 , 96, 40007	1.6	27
117	Destruction of attractive bosonic cloud due to high spatial coherence in tight trap. <i>Physical Review A</i> , 2011 , 84,	2.6	9
116	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
115	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
114	Condensate formation with three-component ultracold fermions. <i>Physical Review A</i> , 2011 , 83,	2.6	11
113	Condensate fraction in neutron matter. <i>Physical Review C</i> , 2011 , 84,	2.7	10
112	Spontaneous symmetry breaking of Bose-Fermi mixtures in double-well potentials. <i>Physical Review A</i> , 2010 , 81,	2.6	45
111	Competition between the symmetry breaking and onset of collapse in weakly coupled atomic condensates. <i>Physical Review A</i> , 2010 , 81,	2.6	27
110	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
109	Quantum-tunneling dynamics of a spin-polarized Fermi gas in a double-well potential. <i>Physical Review A</i> , 2010 , 81,	2.6	11

108	Spontaneous symmetry breaking and collapse in bosonic Josephson junctions. <i>Physical Review A</i> , 2010 , 82,	2.6	9
107	Stability of an attractive bosonic cloud with van der Waals interaction. <i>Physical Review A</i> , 2010 , 82,	2.6	15
106	Dimensional reduction of a binary Bose-Einstein condensate in mixed dimensions. <i>Physical Review A</i> , 2010 , 82,	2.6	19
105	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
104	Surface effects in the unitary Fermi gas. <i>Laser Physics Letters</i> , 2010 , 7, 78-83	1.5	17
103	Two routes to the one-dimensional discrete nonpolynomial Schrödinger equation. <i>Chaos</i> , 2009 , 19, 043105	1.5	5
102	dc Josephson effect with Fermi gases in the Bose-Einstein regime. <i>Physical Review A</i> , 2009 , 79,	2.6	51
101	Zero sound and first sound in a disk-shaped normal Fermi gas. <i>Physical Review A</i> , 2009 , 79,	2.6	10
100	Application of the Feshbach-resonance management to a tightly confined Bose-Einstein condensate. <i>Physical Review A</i> , 2009 , 79,	2.6	8
99	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
98	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
97	Atomic Josephson junction with two bosonic species. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 125301	1.3	35
96	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
95	Dynamics of kicked matter-wave solitons in an optical lattice. <i>Physica D: Nonlinear Phenomena</i> , 2009 , 238, 1388-1393	3.3	2
94	DC and AC Josephson effects with superfluid Fermi atoms across a Feshbach resonance. <i>Laser Physics</i> , 2009 , 19, 636-641	1.2	19
93	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
92	Solitons and solitary vortices in pancake-shaped Bose-Einstein condensates. <i>Physical Review A</i> , 2009 , 79,	2.6	35
91	Localization of a Bose-Einstein condensate in a bichromatic optical lattice. <i>Physical Review A</i> , 2009 , 80,	2.6	47

90	Superfluid Bose-Fermi mixture from weak coupling to unitarity. <i>Physical Review A</i> , 2008 , 78,	2.6	90
89	Solitons in the discrete nonpolynomial Schrödinger equation. <i>Physical Review A</i> , 2008 , 78,	2.6	30
88	Extended Thomas-Fermi density functional for the unitary Fermi gas. <i>Physical Review A</i> , 2008 , 78,	2.6	68
87	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
86	Effects of axial vorticity in elongated mixtures of Bose-Einstein condensates. <i>Physical Review A</i> , 2008 , 77,	2.6	9
85	Macroscopic periodic tunneling of Fermi atoms in the BCS-BEC crossover. <i>Physical Review A</i> , 2008 , 77,	2.6	49
84	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
83	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
82	Kirzhnits gradient expansion for aD-dimensional Fermi gas. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 9987-9992	2	30
81	Bose-Einstein condensates under a spatially modulated transverse confinement. <i>Physical Review A</i> , 2007 , 76,	2.6	30
80	Self-induced density modulations in the free expansion of Bose-Einstein condensates. <i>Physical Review A</i> , 2007 , 75,	2.6	13
79	Fermi-Bose mixture across a Feshbach resonance. <i>Physical Review A</i> , 2007 , 75,	2.6	16
78	Matter-wave vortices in cigar-shaped and toroidal waveguides. <i>Physical Review A</i> , 2007 , 76,	2.6	33
77	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
76	One-dimensional superfluid Bose-Fermi mixture: Mixing, demixing, and bright solitons. <i>Physical Review A</i> , 2007 , 76,	2.6	34
75	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
74	Nearly-one-dimensional self-attractive Bose-Einstein condensates in optical lattices. <i>Physical Review A</i> , 2007 , 75,	2.6	25
73	Condensate fraction of a two-dimensional attractive Fermi gas. <i>Physical Review A</i> , 2007 , 76,	2.6	33

72	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
71	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
70	Expansion of a Fermi cloud in the BCS-BEC crossover. <i>Physical Review A</i> , 2006 , 73,	2.6	40
69	Vector solitons in nearly one-dimensional Bose-Einstein condensates. <i>Physical Review A</i> , 2006 , 74,	2.6	86
68	Thermodynamics of solitonic matter waves in a toroidal trap. <i>Physical Review A</i> , 2006 , 74,	2.6	15
67	Quantum phases of attractive matter waves in a toroidal trap. <i>Physical Review A</i> , 2005 , 72,	2.6	27
66	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
65	1/f alpha noise in spectral fluctuations of quantum systems. <i>Physical Review Letters</i> , 2005 , 94, 084101	7.4	57
64	Bulk and collective properties of a dilute Fermi gas in the BCS-BEC crossover. <i>Physical Review A</i> , 2005 , 71,	2.6	145
63	Colored noise in quantum chaos. <i>Physical Review E</i> , 2005 , 71, 047202	2.4	14
62	Condensate fraction of a Fermi gas in the BCS-BEC crossover. <i>Physical Review A</i> , 2005 , 72,	2.6	71
61	Transition from three dimensions to one dimension in Bose gases at zero temperature. <i>Physical Review A</i> , 2004 , 70,	2.6	40
60	Dimensional reduction in Bose-Einstein-condensed alkali-metal vapors. <i>Physical Review A</i> , 2004 , 69,	2.6	36
59	Dynamics of a Bose-Einstein-condensate bright soliton in an expulsive potential. <i>Physical Review A</i> , 2004 , 70,	2.6	41
58	Spectral Statistics of the Triaxial Rigid Rotator: Semiclassical Origin of Their Pathological Behavior. <i>Modern Physics Letters B</i> , 2003 , 17, 803-812	1.6	
57	3D BEC Bright Solitons under Transverse Confinement. <i>Progress of Theoretical Physics Supplement</i> , 2003 , 150, 415-418		1
56	Modulational instability and complex dynamics of confined matter-wave solitons. <i>Physical Review Letters</i> , 2003 , 91, 080405	7.4	158
55	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

54	Condensate bright solitons under transverse confinement. <i>Physical Review A</i> , 2002 , 66,	2.6	97
53	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
52	Multiparameter generalization of nonextensive statistical mechanics. <i>Physical Review E</i> , 2002 , 65, 035106.	1.4	39
51	Effective wave equations for the dynamics of cigar-shaped and disk-shaped Bose condensates. <i>Physical Review A</i> , 2002 , 65,	2.6	479
50	Pathological behavior in the spectral statistics of the asymmetric rotor model. <i>Physical Review E</i> , 2001 , 64, 066201	2.4	1
49	Pulsed macroscopic quantum tunneling of falling Bose-Einstein condensates. <i>Physical Review A</i> , 2001 , 64,	2.6	41
48	BEC IN NONEXTENSIVE STATISTICAL MECHANICS: SOME ADDITIONAL RESULTS. <i>International Journal of Modern Physics B</i> , 2001 , 15, 1253-1256	1.1	7
47	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
46	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
45	Thermodynamics of a Trapped Bose Condensate with Negative Scattering Length. <i>Journal of Low Temperature Physics</i> , 2000 , 119, 57-77	1.3	8
44	Thermodynamics of Bose-condensed atomic hydrogen. <i>European Physical Journal D</i> , 2000 , 11, 367-370	1.3	2
43	Thermodynamics of multi-component Fermi vapours. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000 , 33, 3943-3952	1.3	47
42	Ideal quantum gases in D-dimensional space and power-law potentials. <i>Journal of Mathematical Physics</i> , 2000 , 41, 8016-8024	1.2	55
41	Chaotic Oscillations in Finite Quantum Systems: Trapped Bose-Einstein Condensates. <i>Progress of Theoretical Physics Supplement</i> , 2000 , 139, 414-420		1
40	ENERGY LEVEL QUASI-CROSSINGS: ACCIDENTAL DEGENERACIES OR SIGNATURE OF QUANTUM CHAOS?. <i>International Journal of Modern Physics E</i> , 2000 , 09, 279-297	0.7	1
39	TIME-DEPENDENT VARIATIONAL APPROACH TO BOSE-EINSTEIN CONDENSATION. <i>International Journal of Modern Physics B</i> , 2000 , 14, 1-11	1.1	32
38	BEC IN NONEXTENSIVE STATISTICAL MECHANICS. <i>International Journal of Modern Physics B</i> , 2000 , 14, 405-409	1.1	6
37	. <i>International Journal of Modern Physics B</i> , 2000 , 14, 405	1.1	6

36	Chaos in coplanar classical collisions with particles interacting through r^2 forces. <i>Physical Review E</i> , 1999 , 59, 1246-1249	2.4	6
35	Bose condensate in a double-well trap: Ground state and elementary excitations. <i>Physical Review A</i> , 1999 , 60, 4171-4174	2.6	28
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