Sandro Stringari

List of Publications by Year
in descending order

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249 papers	19,912 citations	27035 58 h-index	13635 134 g-index
251 all docs	251 docs citations	251 times ranked	6753 citing authors

#	Article	IF	Citations
1	Theory of Bose-Einstein condensation in trapped gases. Reviews of Modern Physics, 1999, 71, 463-512.	16.4	4,734
2	Theory of ultracold atomic Fermi gases. Reviews of Modern Physics, 2008, 80, 1215-1274.	16.4	1,649
3	Collective Excitations of a Trapped Bose-Condensed Gas. Physical Review Letters, 1996, 77, 2360-2363.	2.9	763
4	Bosons in anisotropic traps: Ground state and vortices. Physical Review A, 1996, 53, 2477-2485.	1.0	461
5	Measurement of the Temperature Dependence of the Casimir-Polder Force. Physical Review Letters, 2007, 98, 063201.	2.9	374
6	Quantum Tricriticality and Phase Transitions in Spin-Orbit Coupled Bose-Einstein Condensates. Physical Review Letters, 2012, 108, 225301.	2.9	345
7	Sum rules and giant resonances in nuclei. Physics Reports, 1989, 175, 103-261.	10.3	291
8	Structural and dynamical properties of superfluid helium: A density-functional approach. Physical Review B, 1995, 52, 1193-1209.	1.1	284
9	Density of states and evaporation rate of helium clusters. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1990, 15, 257-263.	1.0	261
10	Condensate fraction and critical temperature of a trapped interacting Bose gas. Physical Review A, 1996, 54, R4633-R4636.	1.0	255
11	Collective oscillations of a one-dimensional trapped Bose-Einstein gas. Physical Review A, 2002, 66, .	1.0	244
12	Normal State of a Polarized Fermi Gas at Unitarity. Physical Review Letters, 2006, 97, 200403.	2.9	230
13	Systematics of liquid helium clusters. Journal of Chemical Physics, 1987, 87, 5021-5027.	1.2	183
14	New Asymptotic Behavior of the Surface-Atom Force out of Thermal Equilibrium. Physical Review Letters, 2005, 95, 113202.	2.9	178
15	Superstripes and the Excitation Spectrum of a Spin-Orbit-Coupled Bose-Einstein Condensate. Physical Review Letters, 2013, 110, 235302.	2.9	178
16	Expansion of a Coherent Array of Bose-Einstein Condensates. Physical Review Letters, 2001, 87, 220401.	2.9	168
17	Order parameter at the boundary of a trapped Bose gas. Physical Review A, 1996, 54, 4213-4217.	1.0	165
18	Expansion of an Interacting Fermi Gas. Physical Review Letters, 2002, 89, 250402.	2.9	160

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19	Second sound and the superfluid fraction in a Fermi gas with resonant interactions. Nature, 2013, 498, 78-81.	13.7	154
20	Collective mode of homogeneous superfluid Fermi gases in the BEC-BCS crossover. Physical Review A, 2006, 74, .	1.0	153
21	Thermodynamics of a Trapped Bose-Condensed Gas. Journal of Low Temperature Physics, 1997, 109, 309-355.	0.6	151
22	Scissors Mode and Superfluidity of a Trapped Bose-Einstein Condensed Gas. Physical Review Letters, 1999, 83, 4452-4455.	2.9	151
23	Dynamics of Bose-Einstein condensed gases in highly deformed traps. Physical Review A, 1998, 58, 2385-2388.	1.0	142
24	Supersolid symmetry breaking from compressional oscillations in a dipolar quantum gas. Nature, 2019, 574, 382-385.	13.7	140
25	Effect of the Casimir-Polder force on the collective oscillations of a trapped Bose-Einstein condensate. Physical Review A, 2004, 70, .	1.0	139
26	Casimir-Lifshitz force out of thermal equilibrium. Physical Review A, 2008, 77, .	1.0	134
27	Entropy Exchange in a Mixture of Ultracold Atoms. Physical Review Letters, 2009, 103, 140401.	2.9	125
28	Anisotropic dynamics of a spin-orbit-coupled Bose-Einstein condensate. Physical Review A, 2012, 86, .	1.0	125
29	Overcritical Rotation of a Trapped Bose-Einstein Condensate. Physical Review Letters, 2001, 86, 377-380.	2.9	123
30	Macroscopic Dynamics of a Trapped Bose-Einstein Condensate in the Presence of 1D and 2D Optical Lattices. Physical Review Letters, 2002, 88, 180404.	2.9	119
31	Isovector M1 rotational states in deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 130, 139-143.	1.5	117
32	Surface properties of liquid3He and4He: A density-functional approach. Physical Review B, 1987, 36, 8369-8375.	1.1	115
33	Anomalous Fluctuations of the Condensate in Interacting Bose Gases. Physical Review Letters, 1998, 80, 5040-5043.	2.9	114
34	Dynamic structure factor and momentum distribution of a trapped Bose gas. Physical Review A, 2000, 61, .	1.0	114
35	Quantized Vortices and Collective Oscillations of a Trapped Bose-Einstein Condensate. Physical Review Letters, 1998, 81, 1754-1757.	2.9	110
36	Effects of disorder in a dilute Bose gas. Physical Review B, 1994, 49, 12938-12944.	1.1	108

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37	Collective oscillations of a trapped superfluid Fermi gas near a Feshbach resonance. Europhysics Letters, 2004, 65, 749-752.	0.7	108
38	Bose-Einstein condensates in 1D optical lattices. European Physical Journal D, 2003, 27, 247-261.	0.6	104
39	Rapid rotation of a Bose-Einstein condensate in a harmonic plus quartic trap. Physical Review A, 2005, 71, .	1.0	100
40	Collective oscillations of an interacting trapped Fermi gas. Physical Review A, 1999, 60, 4734-4737.	1.0	99
41	Sum rules for compression modes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 108, 232-236.	1.5	98
42	Collective and single-particle excitations of a trapped Bose gas. Physical Review A, 1997, 56, 3840-3845.	1.0	98
43	Uncertainty principle, quantum fluctuations, and broken symmetries. Journal of Low Temperature Physics, 1991, 85, 377-388.	0.6	92
44	Collective oscillations of a classical gas confined in harmonic traps. Physical Review A, 1999, 60, 4851-4856.	1.0	89
45	Elementary Excitations in Trapped Bose-Einstein Condensed Gases Beyond the Mean-Field Approximation. Physical Review Letters, 1998, 81, 4541-4544.	2.9	88
46	Sensitive Measurement of Forces at the Micron Scale Using Bloch Oscillations of Ultracold Atoms. Physical Review Letters, 2005, 95, 093202.	2.9	88
47	Roadmap on Atomtronics: State of the art and perspective. AVS Quantum Science, 2021, 3, .	1.8	87
48	Hydrodynamic Modes in a Trapped Bose Gas above the Bose-Einstein Transition. Physical Review Letters, 1997, 78, 1838-1841.	2.9	83
49	Insulating Behavior of a Trapped Ideal Fermi Gas. Physical Review Letters, 2004, 93, 120401.	2.9	80
50	Momentum transferred to a trapped Bose-Einstein condensate by stimulated light scattering. Physical Review A, 2001, 64, .	1.0	79
51	Dynamics of Dark Solitons in a Trapped Superfluid Fermi Gas. Physical Review Letters, 2011, 106, 185301.	2.9	79
52	Equation of State and Collective Frequencies of a Trapped Fermi Gas Along the BEC-Unitarity Crossover. Physical Review Letters, 2005, 95, 030404.	2.9	78
53	Effects of short range correlations on nuclear mass and momentum distributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 95, 9-12.	1.5	75
54	Dark solitons in a superfluid Fermi gas. Physical Review A, 2007, 76, .	1.0	75

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55	Casimir-Lifshitz Force Out of Thermal Equilibrium and Asymptotic Nonadditivity. Physical Review Letters, 2006, 97, 223203.	2.9	70
56	Scissors Mode of Dipolar Quantum Droplets of Dysprosium Atoms. Physical Review Letters, 2018, 120, 160402.	2.9	69
57	Shape deformations and angular-momentum transfer in trapped Bose-Einstein condensates. Physical Review A, 2000, 63, .	1.0	60
58	Surface tension of liquid3He at low temperature. Journal of Low Temperature Physics, 1989, 77, 307-317.	0.6	59
59	Moment of Inertia and Superfluidity of a Trapped Bose Gas. Physical Review Letters, 1996, 76, 1405-1408.	2.9	59
60	Elementary excitations of4He clusters. Journal of Low Temperature Physics, 1990, 79, 135-149.	0.6	58
61	Sum rules, dipole oscillation and spin polarizability of a spin-orbit coupled quantum gas. Europhysics Letters, 2012, 99, 56008.	0.7	58
62	Helium nanodroplets and trapped Boseâ€“Einstein condensates as prototypes of finite quantum fluids. Journal of Chemical Physics, 2001, 115, 10078.	1.2	57
63	Rotating a Supersolid Dipolar Gas. Physical Review Letters, 2020, 124, 045702.	2.9	57
64	Temperature dependence of nuclear surface properties. Zeitschrift FÃ¼r Physik A, 1983, 309, 239-242.	1.4	54
65	Dynamics of a classical gas including dissipative and mean-field effects. Physical Review A, 2003, 68, .	1.0	54
66	Fermi Gases in Slowly Rotating Traps: Superfluid versus Collisional Hydrodynamics. Physical Review Letters, 2003, 91, 070401.	2.9	54
67	Vortex signatures in annular Bose-Einstein condensates. Physical Review A, 2006, 73, .	1.0	54
68	Supercurrent and dynamical instability of spin-orbit-coupled ultracold Bose gases. Physical Review A, 2013, 87, .	1.0	54
69	Approach for making visible and stable stripes in a spin-orbit-coupled Bose-Einstein superfluid. Physical Review A, 2014, 90, .	1.0	54
70	Effects of temperature and magnetization on the maximum solubility of 3He in 4He. Journal of Low Temperature Physics, 1988, 71, 311-317.	0.6	53
71	Molecular signatures in the structure factor of an interacting Fermi gas. Europhysics Letters, 2006, 75, 695-701.	0.7	53
72	Macroscopic dynamics of a Bose-Einstein condensate containing a vortex lattice. Physical Review A, 2003, 67, .	1.0	52

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73	Collisional Properties of a Polarized Fermi Gas with Resonant Interactions. Physical Review Letters, 2008, 100, 240406.	2.9	52
74	Collective Modes in a Unitary Fermi Gas across the Superfluid Phase Transition. Physical Review Letters, 2013, 110, 055303.	2.9	50
75	Formation of Molecules near a Feshbach Resonance in a 1D Optical Lattice. Physical Review Letters, 2005, 95, 060402.	2.9	48
76	Minimally destructive, Doppler measurement of a quantized flow in a ring-shaped Boseâ€“Einstein condensate. New Journal of Physics, 2016, 18, 025001.	1.2	48
77	Fluid-dynamical description of nuclear collective excitations. Annals of Physics, 1983, 151, 35-70.	1.0	47
78	Critical velocity of superfluid flow through single-barrier and periodic potentials. Physical Review A, 2009, 80, .	1.0	47
79	Surface Region of Superfluid Helium as an Inhomogeneous Bose-Condensed Gas. Physical Review Letters, 1996, 76, 259-262.	2.9	46
80	First and second sound in a strongly interacting Fermi gas. Physical Review A, 2009, 80, .	1.0	46
81	Spin Fluctuations, Susceptibility, and the Dipole Oscillation of a Nearly Ferromagnetic Fermi Gas. Physical Review Letters, 2011, 106, 080402.	2.9	46
82	Rotational magnetic state in deformed metal clusters. Physical Review Letters, 1989, 63, 570-572.	2.9	45
83	Density functional calculations for4He droplets. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1995, 35, 67-75.	1.0	45
84	Observation of Spin Superfluidity in a Bose Gas Mixture. Physical Review Letters, 2018, 120, 170401.	2.9	43
85	Damping of monopole vibrations in time-dependent Hartree-Fock theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 88, 1-4.	1.5	42
86	Models and approximations for the momentum distribution in nuclear matter. Nuclear Physics A, 1984, 427, 253-277.	0.6	42
87	Quantized vortices in dipolar supersolid Bose-Einstein-condensed gases. Physical Review A, 2020, 102, .	1.0	42
88	Collective excitations in deformed alkali metal clusters. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1991, 18, 193-201.	1.0	41
89	Rotons and Quantum Evaporation from Superfluid4He. Physical Review Letters, 1995, 75, 2510-2513.	2.9	41
90	Lifetimes of monopole resonances in time-dependent Hartree-Fock theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 189, 375-380.	1.5	40

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91	Dispersion law of edge waves in the quantum Hall effect. Physical Review Letters, 1994, 72, 3230-3233.	2.9	40
92	Moment of inertia and quadrupole response function of a trapped superfluid. Physical Review A, 2001, 63, .	1.0	40
93	Effective interactions and Hartree-Fock calculations in liquid 3He. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 106, 267-270.	0.9	39
94	Liquid 3He droplets: Energy systematics and magic numbers. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 107, 36-40.	0.9	39
95	Momentum distribution in heavy nuclei. Nuclear Physics A, 1990, 516, 33-40.	0.6	39
96	Momentum distribution of a trapped Fermi gas with large scattering length. Physical Review A, 2004, 69, .	1.0	39
97	Sum rules for density and particle excitations in Bose superfluids. Physical Review B, 1992, 46, 2974-2984.	1.1	38
98	Volume and surface symmetry energy coefficients from photoabsorption cross sections. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 112, 421-424.	1.5	37
99	Ripplon dispersion and finite-range effects in the quantum-liquid surface. Physical Review B, 1987, 35, 4754-4763.	1.1	36
100	Superfluid Gyroscope with Cold Atomic Gases. Physical Review Letters, 2001, 86, 4725-4728.	2.9	36
101	Role of interactions in spin-polarized atomic Fermi gases at unitarity. Physical Review A, 2008, 78, .	1.0	35
102	Superfluid density of a spin-orbit-coupled Bose gas. Physical Review A, 2016, 94, .	1.0	35
103	Collisionless Sound in a Uniform Two-Dimensional Bose Gas. Physical Review Letters, 2018, 121, 145302.	2.9	35
104	How to Measure the Bogoliubov Quasiparticle Amplitudes in a Trapped Condensate. Physical Review Letters, 2000, 85, 4422-4425.	2.9	34
105	Sound propagation and oscillations of a superfluid Fermi gas in the presence of a one-dimensional optical lattice. Physical Review A, 2005, 71, .	1.0	34
106	Time-dependent Hartree-Fock polarizability and random phase approximation sum rules. Nuclear Physics A, 1978, 309, 177-188.	0.6	33
107	Surface properties of semi-infinite Fermi systems. Nuclear Physics A, 1980, 337, 313-323.	0.6	33
108	Rapid ramps across the BEC-BCS crossover: A route to measuring the superfluid gap. Physical Review A, 2012, 86, .	1.0	33

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109	Diffused Vorticity and Moment of Inertia of a Spin-Orbit Coupled Bose-Einstein Condensate. Physical Review Letters, 2017, 118, 145302.	2.9	33
110	Effects of short range correlations on one- and two-body properties of nuclei. Nuclear Physics A, 1982, 376, 81-93.	0.6	32
111	Second sound and the density response function in uniform superfluid atomic gases. New Journal of Physics, 2010, 12, 043040.	1.2	31
112	Evaporation of atoms from metal clusters. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1991, 20, 123-125.	1.0	30
113	Collective excitations of a "gravitationally" self-bound Bose gas. Europhysics Letters, 2001, 56, 1-7.	0.7	30
114	Pair Correlations of an Expanding Superfluid Fermi Gas. Physical Review Letters, 2006, 97, 100405.	2.9	30
115	Spin-dipole oscillation and polarizability of a binary Bose-Einstein condensate near the miscible-immiscible phase transition. Physical Review A, 2016, 94, .	1.0	30
116	Time-dependent Hartree-Fock polarizability and random phase approximation sum rules. Nuclear Physics A, 1978, 309, 189-205.	0.6	29
117	Velocity fields and transition densities in nuclear collective modes. Nuclear Physics A, 1979, 325, 199-215.	0.6	29
118	Effect of triaxial deformations on the splitting of the M1 isovector rotational state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 161, 18-20.	1.5	29
119	Bounds for the phonon-roton dispersion in superfluidHe4. Physical Review B, 1995, 52, 1236-1241.	1.1	29
120	One-dimensional description of a Boseâ€“Einstein condensate in a rotating closed-loop waveguide. New Journal of Physics, 2006, 8, 162-162.	1.2	29
121	Darkâ€“bright solitons in a superfluid Boseâ€“Fermi mixture. New Journal of Physics, 2016, 18, 053014.	1.2	29
122	Dispersion of ripplons in superfluid4He. Journal of Low Temperature Physics, 1995, 98, 227-250.	0.6	27
123	Quantum degeneracy and interaction effects in spin-polarized Fermi - Bose mixtures. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, L899-L907.	0.6	27
124	Counter-flow instability of a quantum mixture of two superfluids. European Physical Journal D, 2015, 69, 1.	0.6	27
125	Adiabatic compression of a trapped Fermi gas. Physical Review A, 2001, 63, .	1.0	26
126	ULTRACOLD MATTER: The Quest for Superfluidity in Fermi Gases. Science, 2002, 298, 2144-2146.	6.0	26

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127	Tkachenko Oscillations and the Compressibility of a Rotating Bose-Einstein Condensate. Physical Review Letters, 2004, 92, 220401.	2.9	26
128	Propagation of sound in a Bose-Einstein condensate in an optical lattice. Physical Review A, 2004, 70, .	1.0	26
129	Chandrasekhar-Clogston limit and critical polarization in a Fermi-Bose superfluid mixture. Physical Review A, 2014, 90, .	1.0	26
130	Discontinuities in the First and Second Sound Velocities at the Berezinskii-Kosterlitz-Thouless Transition. Physical Review Letters, 2014, 112, 025302.	2.9	26
131	M1 strength distribution in nuclei. Il Nuovo Cimento A, 1976, 31, 207-230.	0.2	25
132	Collective oscillations of a trapped quantum gas in low dimensions. Physical Review A, 2015, 92, .	1.0	25
133	Macroscopic equations of motion and dynamic polarizability in the study of nuclear collective excitations. Nuclear Physics A, 1977, 279, 454-462.	0.6	24
134	Spin excitations and sum rules in the Heisenberg antiferromagnet. Physical Review B, 1994, 49, 6710-6717.	1.1	24
135	Quantum evaporation from the free surface of superfluid4He. Journal of Low Temperature Physics, 1996, 104, 367-397.	0.6	24
136	Phase space description of collective nuclear vibrations with the Vlasov equation plus quantum corrections. Nuclear Physics A, 1986, 459, 265-278.	0.6	23
137	Equation of state and effective mass of the unitary Fermi gas in a one-dimensional periodic potential. Physical Review A, 2008, 78, .	1.0	23
138	Equilibrium and dynamics of a trapped superfluid Fermi gas with unequal masses. Physical Review A, 2008, 77, .	1.0	23
139	Density and Spin Response Function of a Normal Fermi Gas at Unitarity. Physical Review Letters, 2009, 102, 110406.	2.9	23
140	First and Second Sound in Cylindrically Trapped Gases. Physical Review Letters, 2010, 105, 150402.	2.9	23
141	First and second sound in a highly elongated Fermi gas at unitarity. Physical Review A, 2013, 88, .	1.0	23
142	Variational calculations forHe3impurities onHe4droplets. Physical Review B, 1994, 49, 15253-15257.	1.1	22
143	Magnetic Phase Transition in a Mixture of Two Interacting Superfluid Bose Gases at Finite Temperature. Physical Review Letters, 2019, 123, 075301.	2.9	22
144	Spin stability and magnetic polarizability with Skyrme's interaction. Nuclear Physics A, 1976, 269, 87-98.	0.6	21

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145	Bose-Einstein condensation, phase fluctuations, and two-phonon effects in superfluidHe4. Physical Review B, 1992, 46, 6374-6381.	1.1	21
146	Destroying Superfluidity by Rotating a Fermi Gas at Unitarity. Physical Review Letters, 2008, 100, 070401.	2.9	21
147	Chandrasekhar-Clogston limit and phase separation in Fermi mixtures at unitarity. Physical Review A, 2009, 79, .	1.0	21
148	Oscillations of a Bose-Einstein Condensate Rotating in a Harmonic Plus Quartic Trap. Physical Review Letters, 2005, 94, 100402.	2.9	20
149	The decay and collisions of dark solitons in superfluid Fermi gases. New Journal of Physics, 2012, 14, 023044.	1.2	20
150	Shortcut to Adiabaticity for an Anisotropic Gas Containing Quantum Defects. Physical Review Letters, 2015, 115, 025302.	2.9	20
151	Spin-dipole oscillation and relaxation of coherently coupled Boseâ€“Einstein condensates. New Journal of Physics, 2015, 17, 093036.	1.2	20
152	A schematic model for collective states including non-locality effects. Nuclear Physics A, 1981, 371, 430-444.	0.6	19
153	Consequence of Superfluidity on the Expansion of a Rotating Bose-Einstein Condensate. Physical Review Letters, 2002, 88, 070405.	2.9	19
154	Second sound in a two-dimensional Bose gas: From the weakly to the strongly interacting regime. Physical Review A, 2018, 97, .	1.0	19
155	Surface and temperature effects in isovector giant resonances. Nuclear Physics A, 1988, 482, 205-217.	0.6	18
156	Constraints on effective interactions imposed by antisymmetry and charge independence. Nuclear Physics A, 1978, 304, 307-316.	0.6	17
157	Hartree-Fock calculations for 3Heî—¸4He mixtures at zero temperature. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 112, 171-174.	0.9	17
158	Kelvin modes of a fast rotating Bose-Einstein condensate. Physical Review A, 2003, 68, .	1.0	17
159	Vortex lattices in Bose-Einstein condensates: From the Thomas-Fermi regime to the lowest-Landau-level regime. Physical Review A, 2006, 73, .	1.0	17
160	Detection of pair-superfluidity for bosonic mixtures in optical lattices. Physical Review A, 2010, 81, .	1.0	17
161	Scaling solutions of the two-fluid hydrodynamic equations in a harmonically trapped gas at unitarity. Physical Review A, 2013, 87, .	1.0	17
162	Quantized Vortices in the Ideal Bose Gas: A Physical Realization of Random Polynomials. Physical Review Letters, 2006, 96, 040405.	2.9	16

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163	Sum rule approach to radiative pion capture in nuclei. Il Nuovo Cimento A, 1976, 34, 48-58.	0.2	15
164	Magnetic moments and the Skyrme interaction. Nuclear Physics A, 1977, 293, 29-45.	0.6	15
165	Surface state of3He on liquid4He. Physica Scripta, 1988, 38, 204-206.	1.2	15
166	Sum rules and spin multipair excitations in liquidHe3. Physical Review Letters, 1989, 63, 532-535.	2.9	15
167	Freezing of Liquid Helium at Zero Temperature: A Density Functional Approach. Europhysics Letters, 1991, 16, 205-210.	0.7	15
168	Ripplon-roton hybridization in superfluidHe4. Physical Review B, 1992, 45, 13133-13135.	1.1	15
169	Quantum fluctuations and Collective Oscillations of a Bose-Einstein Condensate in a 2D Optical Lattice. Physical Review Letters, 2006, 97, 190408.	2.9	15
170	Hybridization of first and second sound in a weakly interacting Bose gas. Europhysics Letters, 2015, 111, 40005.	0.7	15
171	Exciting the Goldstone Modes of a Supersolid Spin-Orbit-Coupled Bose Gas. Physical Review Letters, 2021, 127, 115301.	2.9	15
172	Coherently Coupled Mixtures of Ultracold Atomic Gases. Annual Review of Condensed Matter Physics, 2022, 13, 407-432.	5.2	15
173	Superfluid effects in rotating helium clusters. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1990, 16, 299-301.	1.0	14
174	Static response function for longitudinal and transverse excitations in superfluid helium. Physical Review B, 1992, 46, 13991-13996.	1.1	14
175	Scissors mode of a rotating Bose-Einstein condensate. Physical Review A, 2003, 67, .	1.0	14
176	Umklapp Collisions and Center-of-Mass Oscillations of a Trapped Fermi Gas. Physical Review Letters, 2004, 93, 020404.	2.9	14
177	Hydrodynamic versus collisionless dynamics of a one-dimensional harmonically trapped Bose gas. Physical Review A, 2016, 94, .	1.0	14
178	Magnetic defects in an imbalanced mixture of two Bose-Einstein condensates. Physical Review A, 2018, 97, .	1.0	13
179	Measurement of the Canonical Equation of State of a Weakly Interacting 3D Bose Gas. Physical Review Letters, 2020, 125, 150404.	2.9	13
180	A microscopic evaluation of the nuclear dipole polarizability. Il Nuovo Cimento A, 1977, 42, 296-302.	0.2	12

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181	Surface symmetry energy and the dipole giant resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 99, 183-186.	1.5	12
182	Hydrodynamical approach to the difference between neutron and proton radii. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 117, 141-144.	1.5	12
183	Uncertainty principle and off-diagonal long-range order in the fractional quantum Hall effect. Physical Review B, 1993, 47, 10915-10917.	1.1	12
184	Density dependence of the plasmon dispersion in alkali metals. Journal of Physics Condensed Matter, 1994, 6, 2025-2030.	0.7	12
185	Increasing Quantum Degeneracy by Heating a Superfluid. Physical Review Letters, 2012, 109, 084501.	2.9	12
186	Fast Thermalization and Helmholtz Oscillations of an Ultracold Bose Gas. Physical Review Letters, 2014, 113, 170601.	2.9	12
187	Optical-lattice-assisted magnetic phase transition in a spin-orbit-coupled Bose-Einstein condensate. Physical Review A, 2016, 94, .	1.0	12
188	Moment of inertia and dynamical rotational response of a supersolid dipolar gas. Physical Review A, 2022, 105, .	1.0	12
189	Effects of velocity dependent potentials in the low-lying octupole vibration. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 103, 5-8.	1.5	11
190	Breathing modes of a fast rotating Fermi gas. Physical Review A, 2007, 75, .	1.0	11
191	Unitary polarized Fermi gas under adiabatic rotation. Physical Review A, 2008, 78, .	1.0	11
192	Magnetic susceptibility and M1 transitions in208Pb. Nuclear Physics A, 1979, 318, 162-172.	0.6	10
193	Isovector monopole excitation energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 497-499.	1.5	10
194	Effects of periodic potentials on the critical velocity of superfluid Fermi gases in the BCS-BEC crossover. Physical Review A, 2011, 83, .	1.0	10
195	Isoscalar transition density for the low-lying dipole states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 119, 21-24.	1.5	9
196	Sum rules for normal Fermi liquids in the low temperature limit. Journal of Low Temperature Physics, 1984, 57, 307-318.	0.6	9
197	Dipole Polarizability of a Trapped Superfluid Fermi Gas. Physical Review Letters, 2006, 97, 190403.	2.9	9
198	Quantized conductance through the quantum evaporation of bosonic atoms. Physical Review A, 2016, 94, .	1.0	9

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199	Inclusive radiative pion and muon capture in N = Z nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 95, 344-348.	1.5	8
200	Quantum Fluctuations and Gross-Pitaevskii Theory. Journal of Experimental and Theoretical Physics, 2018, 127, 844-850.	0.2	8
201	Surface thickness effects and splitting of multipole excitations in deformed nuclei. Nuclear Physics A, 1978, 308, 51-60.	0.6	7
202	Asymmetry in inclusive polarized electron scattering from polarized nuclei: Sum rule approach. Physical Review C, 1990, 42, 416-422.	1.1	7
203	Variational study of aHe3impurity and of a vacancy in solidHe4. Physical Review B, 1997, 55, 3122-3127.	1.1	7
204	Collisions and expansion of an ultracold dilute Fermi gas. Europhysics Letters, 2004, 67, 524-530.	0.7	7
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