

Charles W. Clark

List of Publications by Year in descending order

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197
papers

10,225
citations

43973

48
h-index

37111

96
g-index

200
all docs

200
docs citations

200
times ranked

6288
citing authors

#	ARTICLE	IF	CITATIONS
1	Generating Solitons by Phase Engineering of a Bose-Einstein Condensate. <i>Science</i> , 2000, 287, 97-101.	6.0	1,129
2	Search for new physics with atoms and molecules. <i>Reviews of Modern Physics</i> , 2018, 90, .	16.4	902
3	Theory and applications of atomic and ionic polarizabilities. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 202001.	0.6	395
4	Atomic negative-ion resonances. <i>Reviews of Modern Physics</i> , 1994, 66, 539-655.	16.4	354
5	Collective Excitations of Atomic Bose-Einstein Condensates. <i>Physical Review Letters</i> , 1996, 77, 1671-1674.	2.9	287
6	Hysteresis in a quantized superfluid \hat{c} atomtronic \hat{c} ™ circuit. <i>Nature</i> , 2014, 506, 200-203.	13.7	286
7	Generalized Thermalization in an Integrable Lattice System. <i>Physical Review Letters</i> , 2011, 106, 140405.	2.9	264
8	Stationary solutions of the one-dimensional nonlinear Schrödinger equation. I. Case of repulsive nonlinearity. <i>Physical Review A</i> , 2000, 62, .	1.0	246
9	Stationary solutions of the one-dimensional nonlinear Schrödinger equation. II. Case of attractive nonlinearity. <i>Physical Review A</i> , 2000, 62, .	1.0	210
10	Temporal, Matter-Wave-Dispersion Talbot Effect. <i>Physical Review Letters</i> , 1999, 83, 5407-5411.	2.9	195
11	Observing $\langle i \rangle$ Zitterbewegung $\langle /i \rangle$ with Ultracold Atoms. <i>Physical Review Letters</i> , 2008, 100, 153002.	2.9	178
12	Soliton dynamics in the collisions of Bose - Einstein condensates: an analogue of the Josephson effect. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, L785-L789.	0.6	162
13	Controlling neutron orbital angular momentum. <i>Nature</i> , 2015, 525, 504-506.	13.7	153
14	Nearly Linear Light Cones in Long-Range Interacting Quantum Systems. <i>Physical Review Letters</i> , 2015, 114, 157201.	2.9	143
15	Relativistic many-body calculations of electric-dipole matrix elements, lifetimes, and polarizabilities in rubidium. <i>Physical Review A</i> , 2004, 69, .	1.0	116
16	Probing the linear and nonlinear excitations of Bose-condensed neutral atoms in a trap. <i>Physical Review A</i> , 1996, 54, 4178-4187.	1.0	114
17	Local-density-functional calculations of the energy of atoms. <i>Physical Review A</i> , 1997, 55, 191-199.	1.0	114
18	Vortex Stability of Interacting Bose-Einstein Condensates Confined in Anisotropic Harmonic Traps. <i>Physical Review Letters</i> , 1999, 82, 4956-4959.	2.9	114

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19	Quantum key distribution with 1.25 Gbps clock synchronization. Optics Express, 2004, 12, 2011.	1.7	113
20	Collective excitations of Bose-Einstein-condensed gases at finite temperatures. Physical Review A, 1998, 57, R32-R35.	1.0	110
21	Intense-field multiphoton ionization of a two-electron atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, L33-L42.	0.6	106
22	Blackbody-radiation shift in the Sr optical atomic clock. Physical Review A, 2013, 87, .	1.0	103
23	Precision Calculation of Blackbody Radiation Shifts for Optical Frequency Metrology. Physical Review Letters, 2011, 107, 143006.	2.9	95
24	Imaging the Phase of an Evolving Bose-Einstein Condensate Wave Function. Physical Review Letters, 2000, 85, 2040-2043.	2.9	91
25	Topological insulators and metals in atomic optical lattices. Physical Review A, 2009, 79, .	1.0	91
26	Bogoliubov approach to superfluidity of atoms in an optical lattice. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 825-841.	0.6	88
27	Ultracold atoms confined in an optical lattice plus parabolic potential: A closed-form approach. Physical Review A, 2005, 72, .	1.0	87
28	Anomalous Modes Drive Vortex Dynamics in Confined Bose-Einstein Condensates. Physical Review Letters, 2001, 86, 564-567.	2.9	86
29	Nucleation of vortex arrays in rotating anisotropic Bose-Einstein condensates. Physical Review A, 1999, 61, .	1.0	85
30	Nonequilibrium dynamics of optical-lattice-loaded Bose-Einstein-condensate atoms: Beyond the Hartree-Fock-Bogoliubov approximation. Physical Review A, 2004, 69, .	1.0	80
31	Vortices in Attractive Bose-Einstein Condensates in Two Dimensions. Physical Review Letters, 2006, 97, 010403.	2.9	76
32	Magic wavelengths for the n - p transitions in alkali-metal atoms. Physical Review A, 2007, 76, .	1.0	76
33	Meron Ground State of Rashba Spin-Orbit-Coupled Dipolar Bosons. Physical Review Letters, 2013, 111, 185303.	2.9	73
34	Tune-out wavelengths of alkali-metal atoms and their applications. Physical Review A, 2011, 84, .	1.0	72
35	Hydrodynamic Excitations of Trapped Fermi Gases. Physical Review Letters, 1999, 83, 5415-5418.	2.9	71
36	Bragg spectroscopy of ultracold atoms loaded in an optical lattice. Physical Review A, 2005, 72, .	1.0	71

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37	Symmetry-breaking and symmetry-restoring dynamics of a mixture of Bose-Einstein condensates in a double well. <i>Physical Review A</i> , 2009, 79, .	1.0	68
38	Blackbody-radiation shift in a $^{88}\text{Sr}^+$ ion optical frequency standard. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 154020.	0.6	67
39	Vortices and ring solitons in Bose-Einstein condensates. <i>Physical Review A</i> , 2006, 74, .	1.0	63
40	Counterflow and paired superfluidity in one-dimensional Bose mixtures in optical lattices. <i>Physical Review A</i> , 2009, 80, .	1.0	61
41	Zero-temperature, mean-field theory of atomic Bose-Einstein condensates. <i>Journal of Research of the National Institute of Standards and Technology</i> , 1996, 101, 553.	0.4	59
42	Frequency-dependent polarizabilities of alkali-metal atoms from ultraviolet through infrared spectral regions. <i>Physical Review A</i> , 2006, 73, .	1.0	57
43	Blackbody-radiation shift in a $^{43}\text{Ca}^+$ ion optical frequency standard. <i>Physical Review A</i> , 2007, 76, .	1.0	52
44	Longitudinal Spin Waves in a Dilute Bose Gas. <i>Physical Review Letters</i> , 2002, 88, 230405.	2.9	50
45	Optimizing the fast Rydberg quantum gate. <i>Physical Review A</i> , 2003, 67, .	1.0	50
46	Quantum many-body dynamics of dark solitons in optical lattices. <i>Physical Review A</i> , 2009, 80, .	1.0	50
47	Spatial correlations of one-dimensional driven-dissipative systems of Rydberg atoms. <i>Physical Review A</i> , 2013, 88, .	1.0	49
48	Multielectron Dissociative Ionization of Molecules by Intense Laser Radiation. <i>Physical Review Letters</i> , 1997, 78, 191-194.	2.9	48
49	Inconsistencies between lifetime and polarizability measurements in Cs. <i>Physical Review A</i> , 2004, 69, .	1.0	48
50	Magic wavelengths for optical cooling and trapping of lithium. <i>Physical Review A</i> , 2012, 86, .	1.0	48
51	Wannier states and Bose-Hubbard parameters for 2D optical lattices. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 1391-1404.	0.6	47
52	Hyperspherical analysis of three-electron dynamics. <i>Physical Review A</i> , 1980, 21, 1786-1797.	1.0	46
53	The Theory of Bose-Einstein Condensation of Dilute Gases. <i>Physics Today</i> , 1999, 52, 37-42.	0.3	46
54	Probing the circulation of ring-shaped Bose-Einstein condensates. <i>Physical Review A</i> , 2013, 88, .	1.0	45

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55	Metal-Insulator Transition Revisited for Cold Atoms in Non-Abelian Gauge Potentials. Physical Review Letters, 2006, 97, 216401.	2.9	44
56	Physics of a two-dimensional electron gas with cold atoms in non-Abelian gauge potentials. Physical Review A, 2008, 77, .	1.0	44
57	Ytterbium in Quantum Gases and Atomic Clocks: van der Waals Interactions and Blackbody Shifts. Physical Review Letters, 2012, 109, 230802.	2.9	44
58	Superfluid-to-Solid Crossover in a Rotating Bose-Einstein Condensate. Physical Review Letters, 2001, 87, 190401.	2.9	43
59	Bond Order Solid of Two-Dimensional Dipolar Fermions. Physical Review Letters, 2012, 108, 145301.	2.9	43
60	Case of broken symmetry in the quadratic Zeeman effect. Physical Review A, 1981, 24, 605-607.	1.0	42
61	Quasi-Penning Resonances of a Rydberg Electron in Crossed Electric and Magnetic Fields. Physical Review Letters, 1985, 54, 320-322.	2.9	42
62	Electron scattering from diatomic polar molecules. II. Treatment by frame transformations. Physical Review A, 1979, 20, 1875-1889.	1.0	38
63	Stepwise Explosion of Atomic Clusters Induced by a Strong Laser Field. Physical Review Letters, 1998, 80, 1857-1860.	2.9	38
64	The Bogoliubov approach to number squeezing of atoms in an optical lattice. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 1671-1678.	0.6	38
65	Spin Field Effect Transistors with Ultracold Atoms. Physical Review Letters, 2008, 101, 265302.	2.9	38
66	Decay of a superfluid current of ultracold atoms in a toroidal trap. Physical Review A, 2014, 90, .	1.0	38
67	Computation of the ac Stark effect in the ground state of atomic hydrogen. Physical Review Letters, 1988, 61, 2673-2676.	2.9	37
68	Creating a supersolid in one-dimensional Bose mixtures. Physical Review A, 2009, 79, .	1.0	37
69	Low-energy electron-atom scattering in a magnetic field. Physical Review A, 1983, 28, 83-90.	1.0	35
70	1932, a watershed year in nuclear physics. Physics Today, 2013, 66, 44-49.	0.3	34
71	Perturbation theory study of high-harmonic generation. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 509.	0.9	33
72	Experimental study of high speed polarization-coding quantum key distribution with sifted-key rates over Mbit/s. Optics Express, 2006, 14, 2062.	1.7	33

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73	Magic wavelengths, matrix elements, polarizabilities, and lifetimes of Cs. <i>Physical Review A</i> , 2016, 94, .	1.0	33
74	High-harmonic generation in hydrogenic ions. <i>Physical Review A</i> , 1989, 39, 4894-4897.	1.0	32
75	Blackbody radiation shifts in optical atomic clocks. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2012, 59, 439-447.	1.7	32
76	Determination of electric-dipole matrix elements in K and Rb from Stark shift measurements. <i>Physical Review A</i> , 2007, 76, .	1.0	31
77	Entanglement and the Mott transition in a rotating bosonic ring lattice. <i>Physical Review A</i> , 2007, 75, .	1.0	31
78	Ideal gases in time-dependent traps. <i>Physical Review A</i> , 2000, 61, .	1.0	30
79	Long-range interaction coefficients for ytterbium dimers. <i>Physical Review A</i> , 2014, 89, .	1.0	30
80	Half-Quantum Vortex Molecules in a Binary Dipolar Bose Gas. <i>Physical Review Letters</i> , 2014, 113, 165301.	2.9	30
81	The calculation of non-adiabatic transition probabilities. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1979, 70, 295-296.	0.9	29
82	Generation and detection of spin-orbit coupled neutron beams. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20328-20332.	3.3	29
83	Properties of a Raman atom-laser output coupler. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 2935-2950.	0.6	28
84	Quantum coherence of hard-core bosons: Extended, glassy, and Mott phases. <i>Physical Review A</i> , 2006, 73, .	1.0	28
85	Black-body radiation shifts and theoretical contributions to atomic clock research. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010, 57, 94-105.	1.7	28
86	Holography with a neutron interferometer. <i>Optics Express</i> , 2016, 24, 22528.	1.7	28
87	Methods for preparation and detection of neutron spin-orbit states. <i>New Journal of Physics</i> , 2018, 20, 103012.	1.2	27
88	Generation of a Lattice of Spin-Orbit Beams via Coherent Averaging. <i>Physical Review Letters</i> , 2018, 121, 183602.	2.9	27
89	Discrete 4d photoabsorption spectrum of Ba ²⁺ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 1984, 1, 626.	0.9	25
90	Characterizing the coherence of Bose-Einstein condensates and atom lasers. <i>Optics Express</i> , 1997, 1, 284.	1.7	25

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91	High speed quantum key distribution system supports one-time pad encryption of real-time video. , 2006, , .		25
92	Spin-orbit states of neutron wave packets. Physical Review A, 2016, 94, .	1.0	25
93	On the absorption spectrum of noble gases at the arc spectrum limit. Journal of Research of the National Institute of Standards and Technology, 2005, 110, 583.	0.4	24
94	Polarizabilities of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant="bold"} \rangle \text{Si} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle$ A benchmark test of theory and experiment. Physical Review A, 2012, 85, .	1.0	23
95	Resonant wavepackets and shock waves in an atomtronic SQUID. New Journal of Physics, 2015, 17, 125012.	1.2	23
96	Adiabatic hyperspherical treatment of lithiumPo2states. Physical Review A, 1984, 30, 2161-2169.	1.0	22
97	Eigenphase sum in electron scattering by polar molecules. Physical Review A, 1984, 30, 750-757.	1.0	22
98	Momentum-space engineering of gaseous Bose-Einstein condensates. Physical Review A, 2010, 82, .	1.0	22
99	Relativistic all-order calculations of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Th} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Th} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle$ properties. Physical Review A, 2014, 90, .	1.0	22
100	Induced density correlations in a sonic black hole condensate. SciPost Physics, 2017, 3, .	1.5	22
101	Detector dead-time effects and paralyzability in high-speed quantum key distribution. New Journal of Physics, 2007, 9, 319-319.	1.2	21
102	Heavily Damped Motion of One-Dimensional Bose Gases in an Optical Lattice. Physical Review Letters, 2009, 102, 030407.	2.9	21
103	Extracting transition rates from zero-polarizability spectroscopy. Physical Review A, 2015, 92, .	1.0	21
104	Mechanism of stimulated Hawking radiation in a laboratory Bose-Einstein condensate. Physical Review A, 2017, 96, .	1.0	21
105	Phase fluctuations in anisotropic Bose-Einstein condensates: From cigars to rings. Physical Review A, 2010, 82, .	1.0	20
106	RECIST versus volume measurement in medical CT using ellipsoids of known size. Optics Express, 2010, 18, 8151.	1.7	20
107	Magic wavelengths for optical cooling and trapping of potassium. Physical Review A, 2013, 87, .	1.0	20
108	Detection of the BCS transition in a trapped Fermi gas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 3953-3959.	0.6	19

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109	Consequence of Superfluidity on the Expansion of a Rotating Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2002, 88, 070405.	2.9	19
110	Extended fermionization of 1D bosons in optical lattices. <i>New Journal of Physics</i> , 2006, 8, 161-161.	1.2	19
111	Scalable register initialization for quantum computing in an optical lattice. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 1687-1694.	0.6	18
112	Tunneling phase gate for neutral atoms in a double-well lattice. <i>Physical Review A</i> , 2008, 77, .	1.0	18
113	Spinor Bose-Einstein condensates of positronium. <i>Physical Review A</i> , 2014, 89, .	1.0	18
114	Electron scattering from diatomic polar molecules. I. The limitations of the Born approximation. <i>Physical Review A</i> , 1977, 16, 1419-1422.	1.0	17
115	Quantum kinetic theory of a Bose-Einstein gas confined in a lattice. <i>Physical Review A</i> , 2005, 72, .	1.0	17
116	Free-space quantum cryptography in the H-alpha Fraunhofer window. , 2006, , .		17
117	Hanbury Brownâ€™Twiss interferometry for fractional and integer Mott phases. <i>New Journal of Physics</i> , 2006, 8, 155-155.	1.2	17
118	Superfluid transport dynamics in a capacitive atomtronic circuit. <i>Physical Review A</i> , 2016, 94, .	1.0	17
119	Mean-field treatment of the damping of the oscillations of a one-dimensional Bose gas in an optical lattice. <i>Physical Review A</i> , 2006, 73, .	1.0	16
120	Isotope shifts of C I spectral lines and their application to radioactive dating by laser-assisted mass spectrometry. <i>Optics Letters</i> , 1983, 8, 572.	1.7	15
121	Noise correlations of hard-core bosons: quantum coherence and symmetry breaking. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, S177-S190.	0.6	15
122	Particle-Hole Asymmetry and Brightening of Solitons in a Strongly Repulsive Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2009, 103, 230403.	2.9	15
123	Detecting paired and counterflow superfluidity via dipole oscillations. <i>Physical Review A</i> , 2011, 84, .	1.0	15
124	Unconventional spin-density waves in dipolar Fermi gases. <i>Physical Review A</i> , 2013, 87, .	1.0	15
125	Appearance intensities for multiply charged ions in a strong laser field. <i>Physical Review A</i> , 1995, 52, 1468-1473.	1.0	14
126	Study of a plane-wave final-state theory of above-threshold ionization and harmonic generation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996, 13, 371.	0.9	14

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127	Reentrant quantum phase transition in double-well optical lattices. <i>Physical Review A</i> , 2008, 77, .	1.0	14
128	Noise correlation scalings: Revisiting the quantum phase transition in incommensurate lattices with hard-core bosons. <i>Physical Review A</i> , 2012, 85, .	1.0	14
129	Three-dimensional spin-orbit coupling in a trap. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 134003.	0.6	14
130	Effective one-component description of two-component Bose-Einstein condensate dynamics. <i>Physical Review A</i> , 2005, 71, .	1.0	13
131	State-insensitive bichromatic optical trapping. <i>Physical Review A</i> , 2010, 82, .	1.0	13
132	Mesoscopic effects in quantum phases of ultracold quantum gases in optical lattices. <i>Physical Review A</i> , 2010, 81, .	1.0	13
133	Relativistic many-body calculations of van der Waals coefficients for Yb-Li and Yb-Rb dimers. <i>Physical Review A</i> , 2014, 89, .	1.0	13
134	Correlation effects in La, Ce, and lanthanide ions. <i>Physical Review A</i> , 2015, 91, .	1.0	13
135	Effects of Magnetic and Electric Fields on Highly Excited Atoms. , 1984, , 247-320.		13
136	Making zone plates with a laser printer. <i>American Journal of Physics</i> , 1991, 59, 158-162.	0.3	11
137	Closed-form solutions of the Schrödinger equation for a class of smoothed Coulomb potentials. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 2517-2527.	0.6	11
138	Improved Timing Resolution Single-Photon Detectors in Daytime Free-Space Quantum Key Distribution With 1.25 GHz Transmission Rate. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1084-1090.	1.9	11
139	Approximate mean-field equations of motion for quasi-two-dimensional Bose-Einstein-condensate systems. <i>Physical Review E</i> , 2012, 86, 056710.	0.8	11
140	<i>Colloquium</i> : Ettore Majorana and the birth of autoionization. <i>Reviews of Modern Physics</i> , 2010, 82, 1947-1958.	16.4	10
141	Relativistic calculations of C_6 and C_8 coefficients for strontium dimers. <i>Physical Review A</i> , 2014, 90, .	1.0	10
142	Atomic polarizabilities. , 2015, , .		9
143	Regularities of negative-ion resonances. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1987, 4, 815.	0.9	8
144	Two-gas description of dilute Bose-Einstein condensates at finite temperature. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 4107-4115.	0.6	8

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145	Scalable quantum computation in systems with Bose-Hubbard dynamics. <i>Journal of Modern Optics</i> , 2004, 51, 2395-2404.	0.6	8
146	Characterization of boron coated vitreous carbon foam for neutron detection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 729, 346-355.	0.7	8
147	Noble gas excimer scintillation following neutron capture in boron thin films. <i>Journal of Applied Physics</i> , 2014, 115, 144504.	1.1	8
148	Dynamics of a period-3 pattern-loaded Bose-Einstein condensate in an optical lattice. <i>Physical Review A</i> , 2003, 67, .	1.0	7
149	High-repetition rate quantum key distribution. , 2007, , .		7
150	Collisional cooling of ultracold-atom ensembles using Feshbach resonances. <i>Physical Review A</i> , 2009, 80, .	1.0	7
151	Quantum key distribution at GHz transmission rates. <i>Proceedings of SPIE</i> , 2009, , .	0.8	7
152	Producing flow in racetrack atom circuits by stirring. <i>Physical Review A</i> , 2020, 102, .	1.0	7
153	Coulomb phase shift. <i>American Journal of Physics</i> , 1979, 47, 683-684.	0.3	6
154	Population trapping in short-pulse multiphoton ionization. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996, 13, 101.	0.9	6
155	Ugo Fano (1912â€“2001). <i>Nature</i> , 2001, 410, 164-164.	13.7	6
156	High speed quantum communication testbed. , 2002, , .		6
157	A hybrid Lagrangian variational method for Bose-Einstein condensates in optical lattices. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 363-376.	0.6	6
158	Noise correlations of one-dimensional Bose mixtures in optical lattices. <i>Physical Review A</i> , 2010, 81, .	1.0	6
159	Prototyping method for Bragg-type atom interferometers. <i>Physical Review A</i> , 2011, 84, .	1.0	6
160	Robust finite-temperature disordered Mott-insulating phases in inhomogeneous Fermi-Fermi mixtures with density and mass imbalance. <i>Physical Review A</i> , 2015, 91, .	1.0	6
161	Adiabatic Phase Diagram of an Ultracold Atomic Fermi Gas with a Feshbach Resonance. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 064003.	0.7	5
162	Far-ultraviolet signatures of the $H_3e(n, tp)$ reaction in noble gas mixtures. <i>Applied Physics Letters</i> , 2010, 97, 234105.	1.5	5

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163	Exploring complex phenomena using ultracold atoms in bichromatic lattices. <i>Physical Review E</i> , 2010, 82, 016217.	0.8	5
164	Demonstration of neutron detection utilizing open cell foam and noble gas scintillation. <i>Applied Physics Letters</i> , 2015, 106, 094103.	1.5	5
165	Scalable quantum computation in systems with Bose-Hubbard dynamics. <i>Journal of Modern Optics</i> , 2004, 51, 2395-2404.	0.6	5
166	Extreme ultraviolet photon conversion efficiency of tetraphenyl butadiene. <i>Applied Optics</i> , 2020, 59, 1217.	0.9	5
167	Frequency-dependent polarizability of an electron bound by a zero-range potential. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1990, 7, 488.	0.9	4
168	Strong-field driving of a dilute atomic Bose-Einstein condensate. <i>Physical Review A</i> , 1998, 57, 488-492.	1.0	4
169	Ultracold fermion cooling cycle using heteronuclear Feshbach resonances. <i>New Journal of Physics</i> , 2005, 7, 87-87.	1.2	4
170	High-resolution, vacuum-ultraviolet absorption spectrum of boron trifluoride. <i>Journal of Chemical Physics</i> , 2014, 141, 194301.	1.2	4
171	Term dependence in the Hartree-Fock approximation for heavy atoms. <i>Physical Review A</i> , 1987, 35, 4865-4868.	1.0	3
172	Perturbative calculation of the ac Stark effect by the complex rotation method. <i>Physical Review A</i> , 1991, 43, 6272-6283.	1.0	3
173	Output coupling from a trapped Bose-Einstein condensate in a vortex state. <i>Physical Review A</i> , 2003, 68, .	1.0	3
174	Quantum Optics. <i>Optics and Photonics News</i> , 2004, 15, 38.	0.4	3
175	Spin Waves and Dielectric Softening of Polar Molecule Condensates. <i>Physical Review Letters</i> , 2014, 112, 135301.	2.9	3
176	Implementing Majorana fermions in a cold-atom honeycomb lattice with textured pairings. <i>Physical Review A</i> , 2018, 98, .	1.0	3
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178	Giant Resonances in the Transition Regions of the Periodic Table. <i>NATO ASI Series Series B: Physics</i> , 1987, , 137-151.	0.2	2
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