Weiping Zhang

List of Publications by Year
in descending order

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214 papers	4,532 citations	109321 35 h-index	138484 58 g-index
214 all docs	214 docs citations	214 times ranked	2236 citing authors

#	Article	IF	Citations
1	Quantum metrology with parametric amplifier-based photon correlation interferometers. Nature Communications, 2014, 5, 3049.	12.8	322
2	Vortex Coupler for Atomic Bose-Einstein Condensates. Physical Review Letters, 1997, 79, 4728-4731.	7.8	154
3	Experimental Generation of Multiple Quantum Correlated Beams from Hot Rubidium Vapor. Physical Review Letters, 2014, 113, 023602.	7.8	153
4	Realization of a nonlinear interferometer with parametric amplifiers. Applied Physics Letters, 2011, 99, .	3.3	152
5	Atomic soliton in a traveling wave laser beam. Physical Review Letters, 1994, 72, 60-63.	7.8	121
6	Identity verification in quantum key distribution. Physical Review A, 2000, 61, .	2.5	110
7	Quantum field theory of interaction of ultracold atoms with a light wave: Bragg scattering in nonlinear atom optics. Physical Review A, 1994, 49, 3799-3813.	2.5	96
8	Adiabatic Condition for Nonlinear Systems. Physical Review Letters, 2007, 98, 050406.	7.8	93
9	Entanglement of nanomechanical oscillators and two-mode fields induced by atomic coherence. Physical Review A, 2011, 83, .	2.5	92
10	Ferromagnetism in a Lattice of Bose-Einstein Condensates. Physical Review Letters, 2001, 87, 140405.	7.8	90
11	Semiparametric Meanâ€“Covariance Regression Analysis for Longitudinal Data. Journal of the American Statistical Association, 2010, 105, 181-193.	3.1	84
12	Atom-Light Hybrid Interferometer. Physical Review Letters, 2015, 115, 043602.	7.8	83
13	The phase sensitivity of an SU(1,1) interferometer with coherent and squeezed-vacuum light. New Journal of Physics, 2014, 16, 073020.	2.9	81
14	Modulational instability of spinor condensates. Physical Review A, 2001, 64, .	2.5	75
15	Phase sensitivity at the Heisenberg limit in an SU(1,1) interferometer via parity detection. Physical Review A, 2016, 94, .	2.5	70
16	High-performance Raman quantum memory with optimal control in room temperature atoms. Nature Communications, 2019, 10, 148.	12.8	69
17	Spin Waves in a Bose-Einsteinâ€“Condensed Atomic Spin Chain. Physical Review Letters, 2002, 88, 060401.	7.8	63
18	Realization of low frequency and controllable bandwidth squeezing based on a four-wave-mixing amplifier in rubidium vapor. Optics Letters, 2011, 36, 2979.	3.3	59

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19	Wave Mixing of Optical Pulses and Bose-Einstein Condensates. Physical Review Letters, 2003, 91, 150407.	7.8	57
20	Fundamental limit for integrated atom optics with Bose-Einstein condensates. Physical Review A, 2003, 68, .	2.5	54
21	Anderson localization of cold atomic gases with effective spin-orbit interaction in a quasiperiodic optical lattice. Physical Review A, 2013, 87, .	2.5	53
22	Ultracold Two-Component Fermionic Gases with a Magnetic Field Gradient Near a Feshbach Resonance. Physical Review Letters, 2005, 95, 120401.	7.8	52
23	Creation of skyrmions in a spinor Bose-Einstein condensate. Physical Review A, 2000, 62, .	2.5	51
24	Magnetic solitons of spinor Bose-Einstein condensates in an optical lattice. Physical Review A, 2004, 69, .	2.5	51
25	Proposal for an Optomechanical Microwave Sensor at the Subphoton Level. Physical Review Letters, 2015, 114, 113601.	7.8	51
26	Compact diode-laser-pumped quantum light source based on four-wave mixing in hot rubidium vapor. Optics Letters, 2012, 37, 3141.	3.3	47
27	Macroscopic Spin Tunneling and Quantum Critical Behavior of a Condensate in a Double-Well Potential. Physical Review Letters, 2002, 89, 090401.	7.8	46
28	Optical detection of a Bardeen-Cooper-Schrieffer phase transition in a trapped gas of fermionic atoms. Physical Review A, 1999, 60, 504-507.	2.5	45
29	Cavity-Mediated Strong Matter Wave Bistability in a Spin-1 Condensate. Physical Review Letters, 2009, 103, 160403.	7.8	45
30	Quantized circular motion of a trapped Bose-Einstein condensate: Coherent rotation and vortices. Physical Review A, 1998, 57, 4761-4769.	2.5	44
31	Goos-HÃnchen-like shifts in atom optics. Physical Review A, 2008, 77, .	2.5	42
32	Experimental investigation of the visibility dependence in a nonlinear interferometer using parametric amplifiers. Applied Physics Letters, 2013, 102, .	3.3	40
33	Suppression of the Nonlinear Zeeman Effect and Heading Error in Earth-Field-Range Alkali-Vapor Magnetometers. Physical Review Letters, 2018, 120, 033202.	7.8	40
34	Adiabatic theorem for a condensate system in an atom-molecule dark state. Physical Review A, 2007, 75, .	2.5	37
35	Laser-induced rotation of a trapped Bose-Einstein condensate. Physical Review A, 1998, 57, 3801-3804.	2.5	36
36	Gravitational and collective effects in an output coupler for a Bose-Einstein condensate in an atomic trap. Physical Review A, 1998, 57, 1248-1252.	2.5	35

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37	Phonon Spectrum and Dynamical Stability of a Dilute Quantum Degenerate Bose-Fermi Mixture. Physical Review Letters, 2002, 88, 070408.	7.8	35
38	Magnetism in a lattice of spinor Bose-Einstein condensates. Physical Review A, 2002, 66, .	2.5	35
39	Cancellation of Internal Quantum Noise of an Amplifier by Quantum Correlation. Physical Review Letters, 2013, 111, 033608.	7.8	35
40	Temporal Purity and Quantum Interference of Single Photons from Two Independent Cold Atomic Ensembles. Physical Review Letters, 2016, 117, 013602.	7.8	34
41	Intramode-correlation-enhanced phase sensitivities in an SU(1,1) interferometer. Physical Review A, 2017, 96, .	2.5	34
42	Photon-induced quantum pair correlation in an ideal quantum atomic gas with two internal levels. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 176, 225-229.	2.1	33
43	Geometric Phase of Three-Level Systems in Interferometry. Physical Review Letters, 2001, 86, 369-372.	7.8	32
44	Preservation Macroscopic Entanglement of Optomechanical Systems in non-Markovian Environment. Scientific Reports, 2016, 6, 23678.	3.3	31
45	Spin dynamics and domain formation of a spinor Bose-Einstein condensate in an optical cavity. Physical Review A, 2010, 81, .	2.5	30
46	Nearly Total Omnidirectional Reflection by a Single Layer of Nanorods. Physical Review Letters, 2013, 110, 163902.	7.8	30
47	Back-action-free quantum optomechanics with negative-mass Bose-Einstein condensates. Physical Review A, 2013, 88, .	2.5	29
48	Nonclassical Bose-Einstein condensate. Physical Review A, 1995, 52, 2155-2160.	2.5	28
49	Phase diagram of Rydberg atoms in a nonequilibrium optical lattice. Physical Review A, 2012, 85, .	2.5	28
50	Phase-measurement sensitivity beyond the standard quantum limit in an interferometer consisting of a parametric amplifier and a beam splitter. Physical Review A, 2013, 87, .	2.5	28
51	Properties of a coupled two-species atomâ€“heteronuclear-molecule condensate. Physical Review A, 2007, 75, .	2.5	27
52	Polaritonic Solitons in a Bose-Einstein Condensate Trapped in a Soft Optical Lattice. Physical Review Letters, 2013, 110, 250401.	7.8	27
53	Coherence time limit of the biphotons generated in a dense cold atomcloud. Scientific Reports, 2015, 5, 9126.	3.3	27
54	Absolute sensitivity of phase measurement in an SU(1,1) type interferometer. Optics Letters, 2018, 43, 1051.	3.3	27

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55	Quantum diffraction of ultracold atoms by a standing wave laser. Journal of the European Optical Society Part B: Quantum Optics, 1993, 5, 9-14.	1.2	26
56	Phase separation in a two-species atomic Bose-Einstein condensate with an interspecies Feshbach resonance. Physical Review A, 2008, 78, .	2.5	24
57	Effects of losses in the atom-light hybrid SU(1,1) interferometer. Optics Express, 2016, 24, 17766.	3.4	24
58	Light-scattering detection of quantum phases of ultracold atoms in optical lattices. Physical Review A, 2011, 83, .	2.5	22
59	Nonlinearity enhancement in optomechanical systems. Physical Review A, 2013, 88, .	2.5	22
60	Phase estimation for an SU(1,1) interferometer in the presence of phase diffusion and photon losses. Physical Review A, 2018, 98, .	2.5	22
61	Effects of loss on the phase sensitivity with parity detection in an SU(1,1) interferometer. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1080.	2.1	22
62	Photonic band gaps and defect states induced by excitations of Bose-Einstein condensates in optical lattices. Physical Review A, 1999, 59, 2982-2989.	2.5	21
63	Enhanced Raman scattering by spatially distributed atomic coherence. Applied Physics Letters, 2009, 95, 041115.	3.3	21
64	SU(2)-in-SU(1,1) Nested Interferometer for High Sensitivity, Loss-Tolerant Quantum Metrology. Physical Review Letters, 2022, 128, 033601.	7.8	21
65	Fragmented Condensate Ground State of Trapped Weakly Interacting Bosons in Two Dimensions. Physical Review Letters, 2001, 87, 030404.	7.8	20
66	Adiabatic Rosen-Zener interferometry with ultracold atoms. Physical Review A, 2009, 80, .	2.5	20
67	Observation of the Rabi Oscillation of Light Driven by an Atomic Spin Wave. Physical Review Letters, 2010, 105, 133603.	7.8	19
68	Role Reversal in a Bose-Condensed Optomechanical System. Physical Review Letters, 2012, 108, 240405.	7.8	19
69	Atomâ€“light superposition oscillation and Ramsey-like atomâ€“light interferometer. Optica, 2016, 3, 775.	9.3	19
70	Cavity-induced switching between localized and extended states in a noninteracting Bose-Einstein condensate. Physical Review A, 2011, 84, .	2.5	18
71	Quantum phases of strongly interacting Rydberg atoms in triangular lattices. Physical Review A, 2013, 87, .	2.5	18
72	Suppression of the four-wave-mixing background noise in a quantum memory retrieval process by channel blocking. Physical Review A, 2014, 90, .	2.5	18

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73	Quantum optomechanical straight-twin engine. Physical Review A, 2017, 95, .	2.5	18
74	Frozen Condition of Quantum Coherence for Atoms on a Stationary Trajectory. Physical Review Letters, 2018, 121, 073602.	7.8	18
75	Non-Hermitian Magnon-Photon Interference in an Atomic Ensemble. Physical Review Letters, 2019, 122, 253602.	7.8	18
76	Laser cooling in a squeezed vacuum. Physical Review A, 1991, 44, 7777-7784.	2.5	17
77	Inhibiting Three-Body Recombination in Atomic Bose-Einstein Condensates. Physical Review Letters, 2004, 92, 140401.	7.8	16
78	Optical Bragg, atomic Bragg and cavity QED detections of quantum phases and excitation spectra of ultracold atoms in bipartite and frustrated optical lattices. Annals of Physics, 2013, 328, 103-138.	2.8	16
79	Quantum manipulation of a Bose-Einstein condensate by light waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 201, 397-401.	2.1	15
80	Strong Local-Field Effect on the Dynamics of a Dilute Atomic Gas Irradiated by Two Counterpropagating Optical Fields: Beyond Standard Optical Lattices. Physical Review Letters, 2011, 106, 210403.	7.8	15
81	Resonance-enhanced refractive index and its dynamics in rare-earth-doped fibers. Journal of the Optical Society of America B: Optical Physics, 1993, 10, 1840.	2.1	14
82	Weak-force detection using a double Bose-Einstein condensate. Physical Review A, 1999, 59, 4630-4635.	2.5	14
83	Optical logic gates using coherent feedback. Applied Physics Letters, 2012, 101, .	3.3	14
84	SU(1,1)-type light-atom-correlated interferometer. Physical Review A, 2015, 92, .	2.5	14
85	Nonlinear phase estimation enhanced by an actively correlated Mach-Zehnder interferometer. Physical Review A, 2020, 102, .	2.5	14
86	Quantum dense metrology by an SU(2)-in-SU(1,1) nested interferometer. Applied Physics Letters, 2020, 117, 024003.	3.3	14
87	Sub-shot-noise intensity fluctuations in four-wave mixing. Physical Review A, 1990, 41, 6385-6392.	2.5	13
88	Bosonic-degeneracy-induced quantum correlation in a nonlinear atomic beam splitter. Physical Review A, 1995, 52, 4696-4703.	2.5	13
89	Quantum control of light through an atom-molecule dark state. Physical Review A, 2009, 80, .	2.5	13
90	Achieving ground-state polar molecular condensates by chainwise atom-molecule adiabatic passage. Physical Review A, 2010, 81, .	2.5	13

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91	Quantum superpositions of atomic de Broglie waves by an atomic mirror. Physical Review Letters, 1992, 68, 3287-3290.	7.8	12
92	Observation of temporal beating in first- and second-order intensity measurement between independent Raman Stokes fields in atomic vapor. Physical Review A, 2010, 82, .	2.5	12
93	Dynamical phases in a one-dimensional chain of heterospecies Rydberg atoms with next-nearest-neighbor interactions. Physical Review A, 2015, 92, .	2.5	12
94	Tomography of the Temporal-Spectral State of Subnatural-Linewidth Single Photons from Atomic Ensembles. Physical Review Applied, 2018, 10, .	3.8	12
95	Bloch oscillations of spin-orbit-coupled cold atoms in an optical lattice and spin-current generation. Physical Review A, 2019, 99, .	2.5	12
96	Atomic beamsplitter: reflection and transmission by a laser beam. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 795-808.	1.5	11
97	Coherently enhanced Raman scattering in atomic vapor. Physical Review A, 2010, 82, .	2.5	11
98	Goos-HÃnchen shifts in spin-orbit-coupled cold atoms. Physical Review A, 2015, 91, .	2.5	11
99	Optimal Model for Fewer-Qubit CNOT Gates With Rydberg Atoms. Physical Review Applied, 2022, 17, .	3.8	11
100	Self-trapping and self-focusing of a coherent atomic beam. Physical Review A, 1997, 56, 1433-1437.	2.5	10
101	Feshbach-Resonance-Induced Atomic Filamentation and Quantum Pair Correlation in Atom-Laser-Beam Propagation. Physical Review Letters, 2003, 90, 140401.	7.8	10
102	Macroscopic Atom-Molecule Dark State and Its Collective Excitations in Fermionic Systems. Physical Review Letters, 2007, 99, 250404.	7.8	10
103	Modulational instability of nonlinear spin waves in an atomic chain of spinor Bose-Einstein condensates. Physical Review B, 2007, 76, .	3.2	10
104	Detection of Fermi pairing via electromagnetically induced transparency. Physical Review A, 2009, 80, .	2.5	10
105	One qubit and one photon: The simplest polaritonic heat engine. Physical Review A, 2016, 94, .	2.5	10
106	Creation of three-species⁸⁷Rbâ€“⁴⁰Kâ€“⁶Li molecules: interfering for the best. New Journal of Physics, 2008, 10, 123005.	2.9	9
107	Retrieval of phase memory in two independent atomic ensembles by Raman process. Europhysics Letters, 2012, 97, 34005.	2.0	9
108	Anisotropic deformation of the Rydberg-blockade sphere in few-atom systems. Physical Review A, 2013, 88, .	2.5	9

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109	Squeezed magnons in an optical lattice: Application to simulation of the dynamical Casimir effect at finite temperature. Physical Review A, 2013, 87, .	2.5	9
110	Nonlinear Floquet dynamics of spinor condensates in an optical cavity: Cavity-amplified parametric resonance. Physical Review A, 2019, 100, .	2.5	9
111	StÃ¼ckelberg interferometry using spin-orbit-coupled cold atoms in an optical lattice. Physical Review A, 2020, 102, .	2.5	9
112	Electric Symmetric Dipole Modes Enabling Retroreflection from an Array Consisting of Homogeneous Isotropic Linear Dielectric Rods. Advanced Optical Materials, 2020, 8, 2000452.	7.3	9
113	Molecular Micromaser. Physical Review Letters, 2003, 91, 190401.	7.8	8
114	Efficient Raman frequency conversion by coherent feedback at low light intensity. Optics Express, 2013, 21, 10490.	3.4	8
115	Correlation-enhanced phase-sensitive Raman scattering in atomic vapors. Physical Review A, 2013, 87, .	2.5	8
116	Flat-Lens Focusing of Electron Beams in Graphene. Scientific Reports, 2016, 6, 33522.	3.3	8
117	Generation of frequency degenerate twin beams in Rb85 vapor. Optics Letters, 2017, 42, 4024.	3.3	8
118	Atom-Light Hybrid Quantum Gyroscope. Physical Review Applied, 2020, 14, .	3.8	8
119	Separation and superposition of atomic wave packets by reflection and transmission by an optical ripple mirror. Physical Review A, 1993, 47, 626-633.	2.5	7
120	Self-induced modulation and compression of an ultracold atomic cloud in a nonlinear atomic cavity. Physical Review A, 1995, 52, 498-503.	2.5	7
121	Optimization of single attosecond x-ray pulses by genetic algorithm control of the chirp and initial phase of 5 fs laser pulses. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 771.	2.1	7
122	Generation of a single-photon source via a four-wave mixing process in a cavity. Physical Review A, 2009, 80, .	2.5	7
123	Measurement backaction on the quantum spin-mixing dynamics of a spin-1 Bose-Einstein condensate. Physical Review A, 2011, 83, .	2.5	7
124	Ultralow-light-level all-optical transistor in rubidium vapor. Applied Physics Letters, 2014, 104, 151103.	3.3	7
125	Effects of losses on the sensitivity of an actively correlated Mach-Zehnder interferometer. Physical Review A, 2021, 104, .	2.5	7
126	Accelerated guided atomic pulse. Physical Review A, 1997, 56, 2051-2055.	2.5	6

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127	Generation of frequency-multiplexed entangled single photons assisted by entanglement. Physical Review A, 2011, 83, .	2.5	6
128	Near-surface effect on interatomic resonance interaction. Physical Review A, 2016, 93, .	2.5	6
129	The solution of the fokker-planck equation with zero or negative diffusion coefficients in quantum optics. Optics Communications, 1987, 64, 195-199.	2.1	5
130	Dynamic behavior of a two-level system in multimode squeezed light. I. Bloch equations and dynamic stark splitting. Optics Communications, 1988, 69, 128-134.	2.1	5
131	Sub shot-noise intensity fluctuations in a four-wave mixing oscillator. Optics Communications, 1990, 79, 497-508.	2.1	5
132	A high-field trap to Bose condense caesium. Journal of Optics B: Quantum and Semiclassical Optics, 1999, 1, 420-423.	1.4	5
133	Raman coupler for a trapped two-component quantum-degenerate Fermi gas. Physical Review A, 2002, 65, .	2.5	5
134	Storage of polarization-encoded cluster states in an atomic system. Physical Review A, 2009, 79, .	2.5	5
135	Cold atomic clouds and Bose-Einstein condensates passing through a Gaussian beam. Physical Review A, 2009, 80, .	2.5	5
136	Quantum tunneling time of a Bose-Einstein condensate traversing through a laser-induced potential barrier. Physical Review A, 2010, 81, .	2.5	5
137	Laser-catalyzed spin-exchange process in a Bose-Einstein condensate. Physical Review A, 2010, 81, .	2.5	5
138	Efficient production of polar molecular Boseâ€“Einstein condensates via an all-optical R-type atomâ€“molecule adiabatic passage. New Journal of Physics, 2010, 12, 033002.	2.9	5
139	Chirped multiphoton adiabatic passage for a four-level ladder-type Rydberg excitation. Physical Review A, 2015, 91, .	2.5	5
140	Quantum optical devices based on four-wave mixing in hot rubidium vapor. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-8.	5.1	5
141	Enhancement of the Signal-to-Noise Ratio of an Atomic Magnetometer by 10 dB. Physical Review Applied, 2019, 11, .	3.8	5
142	88% conversion efficiency with an atomic spin wave mediated mode selection. Optics Letters, 2017, 42, 1752.	3.3	5
143	The classical and quantum synchronization between two scattering modes in Boseâ€“Einstein condensates. European Physical Journal Plus, 2020, 135, 1.	2.6	5
144	Dynamic behavior of a two-level system in multimode squeezed light. II. Absorption lineshape with sub- or super-natural linewidth and shift of dispersion zero-point. Optics Communications, 1988, 69, 135-140.	2.1	4

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145	Phonon-induced quantum pair correlation in the diffraction of an ultracold atomic beam by a crystalline solid surface. Physical Review A, 1994, 50, 4069-4076.	2.5	4
146	Resonant atomic tunneling through a laser beam. Physical Review A, 1996, 54, 5447-5449.	2.5	4
147	Two-fermion bound state in a Bose-Einstein condensate. Physical Review A, 2003, 67, .	2.5	4
148	Molecular vortex generated from an atom-molecule dark state. Physical Review A, 2006, 73, .	2.5	4
149	Effective mass approach for a Bose-Einstein condensate in an optical lattice. Science Bulletin, 2009, 54, 4182-4196.	1.7	4
150	â€˜Which-wayâ€™ collective atomic spin excitation among atomic ensembles by photon indistinguishability. New Journal of Physics, 2012, 14, 063034.	2.9	4
151	Mirrorless parametric oscillation in an atomic Raman process. Physical Review A, 2014, 89, .	2.5	4
152	Dissipation-sensitive multiphoton excitations of strongly interacting Rydberg atoms. Physical Review A, 2014, 90, .	2.5	4
153	Efficiency limitation for realizing an atomâ€“molecule adiabatic transfer based on a chainwise system. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 2164.	2.1	4
154	Spin-sensitive atom mirror via spin-orbit interaction. Physical Review A, 2016, 94, .	2.5	4
155	Relativistic Measurement Backaction in the Quantum Dirac Oscillator. Physical Review Letters, 2018, 121, 110401.	7.8	4
156	Super-sensitive rotation measurement with an orbital angular momentum atom-light hybrid interferometer. Optics Express, 2021, 29, 208.	3.4	4
157	Angular displacement estimation enhanced by squeezing and parametric amplification. OSA Continuum, 2020, 3, 3289.	1.8	4
158	The state function of the resonance fluorescence field and its spectrum with many-photon transitions. Optics Communications, 1988, 65, 61-66.	2.1	3
159	Squeezing-enhanced and -reduced atomic-level splitting in two-photon dynamics. Physical Review A, 1990, 41, 6393-6399.	2.5	3
160	Geometric phase in SU(N) interferometry. European Physical Journal D, 2001, 51, 312-320.	0.4	3
161	Coherent enhancement of broadband frequency up-conversion in BBO crystal by shaping femtosecond laser pulses. Optics Communications, 2007, 271, 559-563.	2.1	3
162	Generating correlated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mn>2</mml:mn><mml:mo>⁢</mml:mo><mml:mi>m</mml:mi></mml:mrow></mml:mrow></mml:mrow></mml:math> pairs in an active-Raman-gain medium. Physical Review A, 2009, 79, .	2.5	3

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163	Squeezing bandwidth controllable twin beam light and phase sensitive nonlinear interferometer based on atomic ensembles. Science Bulletin, 2012, 57, 1925-1930.	1.7	3
164	Phase detection in an ultracold polarized Fermi gas via electromagnetically induced transparency. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 919-924.	2.1	3
165	Superfluidâ€“Mott-insulator transition of spin-1 bosons in optical resonators. Physical Review A, 2013, 88, .	2.5	3
166	Properties of grating modes and their effect on reflection behavior of a periodic array of parallel rods by modal method. Journal of Applied Physics, 2015, 118, 103109.	2.5	3
167	Temporal interference with frequency-controllable long photons from independent cold atomic sources. Physical Review A, 2018, 97, .	2.5	3
168	ç²¾å¯†æµ‹é‡ç‰„é‡åæž™: Scientia Sinica Informationis, 2014, 44, 345-359.	0.4	3
169	All-optical spin locking in alkali-metal-vapor magnetometers. Physical Review A, 2022, 105, .	2.5	3
170	Acceleration of quasi-particle modes in Bose-Einstein condensates. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 248, 290-294.	2.1	2
171	Quantum random walks in a coherent atomic system via electromagnetically induced transparency. Journal of the Optical Society of America B: Optical Physics, 2008, 25, C39.	2.1	2
172	Storage and retrieval of continuous-variable polarization-entangled cluster states in atomic ensembles. Physical Review A, 2011, 84, .	2.5	2
173	Failures of the adiabatic approximation in quantum tunneling time. Physical Review A, 2012, 86, .	2.5	2
174	Controllable magnetic solitons excitations in an atomic chain of spinor Boseâ€“Einstein condensates confined in an optical lattice. Applied Physics B: Lasers and Optics, 2014, 115, 451-460.	2.2	2
175	Phase sensitive Raman process with correlated seeds. Applied Physics Letters, 2015, 106, 111103.	3.3	2
176	Deterministic entanglement generation between a pair of atoms on different Rydberg states via chirped adiabatic passage. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 065007.	1.5	2
177	A beam splitter for Diracâ€“Weyl fermions through the Goosâ€“HÃnchen-like shift. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3798-3804.	2.1	2
178	Quantum non-demolition phonon counter with a hybrid optomechnical system. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	2
179	Stability of Atomic Bose-Einstein Condensate with Negative Scattering Length. Journal De Physique, I, 1996, 6, 1411-1415.	1.2	2
180	Memory-assisted quantum accelerometer with multi-bandwidth. Photonics Research, 2022, 10, 1022.	7.0	2

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181	Resonant radiation of an atom in laser pulse train. Journal of the Optical Society of America B: Optical Physics, 1987, 4, 1885.	2.1	1
182	Vector Quantum Field Theory of Atoms: Nonlinear Atom Optics and Bose - Einstein Condensate. Australian Journal of Physics, 1996, 49, 819.	0.6	1
183	<title>Detection of macroscopic quantum coherence of a Bose-Einstein condensate by electronic spin echo</title>. , 1997, , .		1
184	Creation of skyrmions in a spinor Bose-Einstein condensate. , 0, , .		1
185	Atom Optics - From de Broglie Waves to Heisenberg Ferromagnets. Fortschritte Der Physik, 2002, 50, 664-669.	4.4	1
186	Elimination of collisional effects in an R-type atomâ€“molecule adiabatic passage. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 155206.	1.5	1
187	Stability, adiabaticity and transfer efficiency in a nonlinear Î›-system. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 015301.	1.5	1
188	Pulse delay of a stimulated Raman process in atomic vapor. Physical Review A, 2017, 95, .	2.5	1
189	Room-Temperature Macroscopic Coherence of Two Electron-Hole Plasmas in a Microcavity. Physical Review Letters, 2020, 124, 157402.	7.8	1
190	Design of coaxial coils using hybrid machine learning. Review of Scientific Instruments, 2021, 92, 045103.	1.3	1
191	Revisiting the dynamics of Bose-Einstein condensates in a double well by deep learning with a hybrid network. Frontiers of Physics, 2022, 17, 1.	5.0	1
192	Reducing the mode-mismatch noises in atomâ€“light interactions via optimization of the temporal waveform. Photonics Research, 2020, 8, 1697.	7.0	1
193	Interaction-enhanced transmission imaging with Rydberg atoms. Physical Review A, 2022, 105, .	2.5	1
194	Quantum conversion between laser fields and vibrational wave-packets of particles in a three-dimensional quantized trap. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 219, 49-58.	2.1	0
195	Electronic spin resonance of a weakly interacting Bose gas. Physical Review B, 1997, 56, 14645-14649.	3.2	0
196	<title>Modulated Rabi oscillation of a weakly interacting Bose gas in electronic spin resonance</title>. , 1997, , .		0
197	<title>Atomic self-trapping and self-focusing in a light medium</title>. , 1997, 2995, 262.		0
198	<title>Transient atom optics: reflection and transmission of atoms by a time-dependent laser field</title>. , 1997, , .		0

#	Article	IF	Citations
199	Excitation-induced defects in photonic band gaps in a lattice Bose-Einstein condensate. , 0, , .		0
200	Optimization of single attosecond x-ray pulses by genetic algorithm control of the chirp and initial phase of 5 fs laser pulses: erratum. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1995.	2.1	0
201	Observation of coherence between two independent atomic ensembles by Raman scattering. Optics Letters, 2011, 36, 2740.	3.3	0
202	Manipulation of Quantum Correlations and Squeezing Enhancement in a Cascaded Four-Wave Mixing System. , 2013, , .		0
203	Coherence time limit of entangled paired photons generated in a cold atom cloud. , 2015, , .		0
204	Extracting the phase information from atomic memory by intensity correlation measurement. Optics Express, 2015, 23, 10009.	3.4	0
205	Temporal pure single photons generated from time-frequency entangled biphotons. , 2016, , .		0
206	Coherence Protection of Electron Spin in Earth-Field Range by All-Optical Dynamic Decoupling. Physical Review Applied, 2021, 16, .	3.8	0
207	Quantum nondemolition measurements in the relativistic Dirac oscillator. Physical Review A, 2021, 104, .	2.5	0
208	Phase Separation in a two-Species Atomic Bose-Einstein Condensate with an Interspecies Feshbach Resonance. , 2009, , .		0
209	Realization of nonlinear interferometer and quantum correlated multiple beams using two four wave mixing amplifier in hot rubidium vapor. , 2012, , .		0
210	Experimental generation of triple quantum correlated beams from cascaded four-wave mixing processes. , 2014, , .		0
211	Phase Sensitive Raman Process with Correlated Seeds. , 2014, , .		0
212	Spin-sensitive Atom Mirror via Spin-orbit Interaction. , 2017, , .		0
213	Collisional and Collapse Dynamics of a Twin Bose-Einstein Condensate with Negative Scattering Length. , 2001, , 70-76.		0
214	Spin-sensitive atom scattering via spin-orbit interaction. European Physical Journal D, 2020, 74, 1.	1.3	0