

# Weiping Zhang

## List of Publications by Year in descending order

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214  
papers

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times ranked

2236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the dynamics of Bose-Einstein condensates in a double well by deep learning with a hybrid network. <i>Frontiers of Physics</i> , 2022, 17, 1.	5.0	1
2	Interaction-enhanced transmission imaging with Rydberg atoms. <i>Physical Review A</i> , 2022, 105, .	2.5	1
3	SU(2)-in-SU(1,1) Nested Interferometer for High Sensitivity, Loss-Tolerant Quantum Metrology. <i>Physical Review Letters</i> , 2022, 128, 033601.	7.8	21
4	Optimal Model for Fewer-Qubit CNOT Gates With Rydberg Atoms. <i>Physical Review Applied</i> , 2022, 17, .	3.8	11
5	Memory-assisted quantum accelerometer with multi-bandwidth. <i>Photonics Research</i> , 2022, 10, 1022.	7.0	2
6	All-optical spin locking in alkali-metal-vapor magnetometers. <i>Physical Review A</i> , 2022, 105, .	2.5	3
7	Design of coaxial coils using hybrid machine learning. <i>Review of Scientific Instruments</i> , 2021, 92, 045103.	1.3	1
8	Coherence Protection of Electron Spin in Earth-Field Range by All-Optical Dynamic Decoupling. <i>Physical Review Applied</i> , 2021, 16, .	3.8	0
9	Effects of losses on the sensitivity of an actively correlated Mach-Zehnder interferometer. <i>Physical Review A</i> , 2021, 104, .	2.5	7
10	Quantum nondemolition measurements in the relativistic Dirac oscillator. <i>Physical Review A</i> , 2021, 104, .	2.5	0
11	Super-sensitive rotation measurement with an orbital angular momentum atom-light hybrid interferometer. <i>Optics Express</i> , 2021, 29, 208.	3.4	4
12	StÃ¼ckelberg interferometry using spin-orbit-coupled cold atoms in an optical lattice. <i>Physical Review A</i> , 2020, 102, .	2.5	9
13	Nonlinear phase estimation enhanced by an actively correlated Mach-Zehnder interferometer. <i>Physical Review A</i> , 2020, 102, .	2.5	14
14	Quantum dense metrology by an SU(2)-in-SU(1,1) nested interferometer. <i>Applied Physics Letters</i> , 2020, 117, 024003.	3.3	14
15	Atom-Light Hybrid Quantum Gyroscope. <i>Physical Review Applied</i> , 2020, 14, .	3.8	8
16	Room-Temperature Macroscopic Coherence of Two Electron-Hole Plasmas in a Microcavity. <i>Physical Review Letters</i> , 2020, 124, 157402.	7.8	1
17	Electric Symmetric Dipole Modes Enabling Retroreflection from an Array Consisting of Homogeneous Isotropic Linear Dielectric Rods. <i>Advanced Optical Materials</i> , 2020, 8, 2000452.	7.3	9
18	The classical and quantum synchronization between two scattering modes in Bose-Einstein condensates. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	5

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19	Reducing the mode-mismatch noises in atom-light interactions via optimization of the temporal waveform. <i>Photonics Research</i> , 2020, 8, 1697.	7.0	1
20	Spin-sensitive atom scattering via spin-orbit interaction. <i>European Physical Journal D</i> , 2020, 74, 1.	1.3	0
21	Angular displacement estimation enhanced by squeezing and parametric amplification. <i>OSA Continuum</i> , 2020, 3, 3289.	1.8	4
22	Non-Hermitian Magnon-Photon Interference in an Atomic Ensemble. <i>Physical Review Letters</i> , 2019, 122, 253602.	7.8	18
23	Nonlinear Floquet dynamics of spinor condensates in an optical cavity: Cavity-amplified parametric resonance. <i>Physical Review A</i> , 2019, 100, .	2.5	9
24	Bloch oscillations of spin-orbit-coupled cold atoms in an optical lattice and spin-current generation. <i>Physical Review A</i> , 2019, 99, .	2.5	12
25	Enhancement of the Signal-to-Noise Ratio of an Atomic Magnetometer by 10 dB. <i>Physical Review Applied</i> , 2019, 11, .	3.8	5
26	High-performance Raman quantum memory with optimal control in room temperature atoms. <i>Nature Communications</i> , 2019, 10, 148.	12.8	69
27	Quantum non-demolition phonon counter with a hybrid optomechanical system. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	2
28	Suppression of the Nonlinear Zeeman Effect and Heading Error in Earth-Field-Range Alkali-Vapor Magnetometers. <i>Physical Review Letters</i> , 2018, 120, 033202.	7.8	40
29	Temporal interference with frequency-controllable long photons from independent cold atomic sources. <i>Physical Review A</i> , 2018, 97, .	2.5	3
30	Tomography of the Temporal-Spectral State of Subnatural-Linewidth Single Photons from Atomic Ensembles. <i>Physical Review Applied</i> , 2018, 10, .	3.8	12
31	Relativistic Measurement Backaction in the Quantum Dirac Oscillator. <i>Physical Review Letters</i> , 2018, 121, 110401.	7.8	4
32	Phase estimation for an SU(1,1) interferometer in the presence of phase diffusion and photon losses. <i>Physical Review A</i> , 2018, 98, .	2.5	22
33	Effects of loss on the phase sensitivity with parity detection in an SU(1,1) interferometer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1080.	2.1	22
34	Absolute sensitivity of phase measurement in an SU(1,1) type interferometer. <i>Optics Letters</i> , 2018, 43, 1051.	3.3	27
35	Frozen Condition of Quantum Coherence for Atoms on a Stationary Trajectory. <i>Physical Review Letters</i> , 2018, 121, 073602.	7.8	18
36	Deterministic entanglement generation between a pair of atoms on different Rydberg states via chirped adiabatic passage. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 065007.	1.5	2

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37	A beam splitter for Dirac-Weyl fermions through the Goos-Hänchen-like shift. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3798-3804.	2.1	2
38	Intramode-correlation-enhanced phase sensitivities in an SU(1,1) interferometer. Physical Review A, 2017, 96, .	2.5	34
39	Pulse delay of a stimulated Raman process in atomic vapor. Physical Review A, 2017, 95, .	2.5	1
40	Quantum optomechanical straight-twin engine. Physical Review A, 2017, 95, .	2.5	18
41	Generation of frequency degenerate twin beams in Rb85 vapor. Optics Letters, 2017, 42, 4024.	3.3	8
42	88% conversion efficiency with an atomic spin wave mediated mode selection. Optics Letters, 2017, 42, 1752.	3.3	5
43	Spin-sensitive Atom Mirror via Spin-orbit Interaction. , 2017, , .		0
44	Atom-light superposition oscillation and Ramsey-like atom-light interferometer. Optica, 2016, 3, 775.	9.3	19
45	Phase sensitivity at the Heisenberg limit in an SU(1,1) interferometer via parity detection. Physical Review A, 2016, 94, .	2.5	70
46	One qubit and one photon: The simplest polaritonic heat engine. Physical Review A, 2016, 94, .	2.5	10
47	Effects of losses in the atom-light hybrid SU(1,1) interferometer. Optics Express, 2016, 24, 17766.	3.4	24
48	Spin-sensitive atom mirror via spin-orbit interaction. Physical Review A, 2016, 94, .	2.5	4
49	Near-surface effect on interatomic resonance interaction. Physical Review A, 2016, 93, .	2.5	6
50	Temporal Purity and Quantum Interference of Single Photons from Two Independent Cold Atomic Ensembles. Physical Review Letters, 2016, 117, 013602.	7.8	34
51	Temporal pure single photons generated from time-frequency entangled biphotons. , 2016, , .		0
52	Flat-Lens Focusing of Electron Beams in Graphene. Scientific Reports, 2016, 6, 33522.	3.3	8
53	Preservation Macroscopic Entanglement of Optomechanical Systems in non-Markovian Environment. Scientific Reports, 2016, 6, 23678.	3.3	31
54	SU(1,1)-type light-atom-correlated interferometer. Physical Review A, 2015, 92, .	2.5	14

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55	Dynamical phases in a one-dimensional chain of heterospecies Rydberg atoms with next-nearest-neighbor interactions. <i>Physical Review A</i> , 2015, 92, .	2.5	12
56	Properties of grating modes and their effect on reflection behavior of a periodic array of parallel rods by modal method. <i>Journal of Applied Physics</i> , 2015, 118, 103109.	2.5	3
57	Proposal for an Optomechanical Microwave Sensor at the Subphoton Level. <i>Physical Review Letters</i> , 2015, 114, 113601.	7.8	51
58	Coherence time limit of entangled paired photons generated in a cold atom cloud. , 2015, , .		0
59	Chirped multiphoton adiabatic passage for a four-level ladder-type Rydberg excitation. <i>Physical Review A</i> , 2015, 91, .	2.5	5
60	Atom-Light Hybrid Interferometer. <i>Physical Review Letters</i> , 2015, 115, 043602.	7.8	83
61	Goos-Hänchen shifts in spin-orbit-coupled cold atoms. <i>Physical Review A</i> , 2015, 91, .	2.5	11
62	Quantum optical devices based on four-wave mixing in hot rubidium vapor. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015, 58, 1-8.	5.1	5
63	Extracting the phase information from atomic memory by intensity correlation measurement. <i>Optics Express</i> , 2015, 23, 10009.	3.4	0
64	Coherence time limit of the biphotons generated in a dense cold atomcloud. <i>Scientific Reports</i> , 2015, 5, 9126.	3.3	27
65	Phase sensitive Raman process with correlated seeds. <i>Applied Physics Letters</i> , 2015, 106, 111103.	3.3	2
66	Efficiency limitation for realizing an atom-molecule adiabatic transfer based on a chainwise system. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 2164.	2.1	4
67	The phase sensitivity of an SU(1,1) interferometer with coherent and squeezed-vacuum light. <i>New Journal of Physics</i> , 2014, 16, 073020.	2.9	81
68	Mirrorless parametric oscillation in an atomic Raman process. <i>Physical Review A</i> , 2014, 89, .	2.5	4
69	Dissipation-sensitive multiphoton excitations of strongly interacting Rydberg atoms. <i>Physical Review A</i> , 2014, 90, .	2.5	4
70	Experimental Generation of Multiple Quantum Correlated Beams from Hot Rubidium Vapor. <i>Physical Review Letters</i> , 2014, 113, 023602.	7.8	153
71	Ultralow-light-level all-optical transistor in rubidium vapor. <i>Applied Physics Letters</i> , 2014, 104, 151103.	3.3	7
72	Suppression of the four-wave-mixing background noise in a quantum memory retrieval process by channel blocking. <i>Physical Review A</i> , 2014, 90, .	2.5	18

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73	Controllable magnetic solitons excitations in an atomic chain of spinor Bose-Einstein condensates confined in an optical lattice. Applied Physics B: Lasers and Optics, 2014, 115, 451-460.	2.2	2
74	Quantum metrology with parametric amplifier-based photon correlation interferometers. Nature Communications, 2014, 5, 3049.	12.8	322
75	Quantum entanglement in a Bose-Einstein condensate. Scientia Sinica Informationis, 2014, 44, 345-359.	0.4	3
76	Experimental generation of triple quantum correlated beams from cascaded four-wave mixing processes. , 2014, , .		0
77	Phase Sensitive Raman Process with Correlated Seeds. , 2014, , .		0
78	Cancellation of Internal Quantum Noise of an Amplifier by Quantum Correlation. Physical Review Letters, 2013, 111, 033608.	7.8	35
79	Anisotropic deformation of the Rydberg-blockade sphere in few-atom systems. Physical Review A, 2013, 88, .	2.5	9
80	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
81	Back-action-free quantum optomechanics with negative-mass Bose-Einstein condensates. Physical Review A, 2013, 88, .	2.5	29
82	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
83	Experimental investigation of the visibility dependence in a nonlinear interferometer using parametric amplifiers. Applied Physics Letters, 2013, 102, .	3.3	40
84	Polaritonic Solitons in a Bose-Einstein Condensate Trapped in a Soft Optical Lattice. Physical Review Letters, 2013, 110, 250401.	7.8	27
85	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
86	Manipulation of Quantum Correlations and Squeezing Enhancement in a Cascaded Four-Wave Mixing System. , 2013, , .		0
87	Efficient Raman frequency conversion by coherent feedback at low light intensity. Optics Express, 2013, 21, 10490.	3.4	8
88	Anderson localization of cold atomic gases with effective spin-orbit interaction in a quasiperiodic optical lattice. Physical Review A, 2013, 87, .	2.5	53
89	Correlation-enhanced phase-sensitive Raman scattering in atomic vapors. Physical Review A, 2013, 87, .	2.5	8
90	Quantum phases of strongly interacting Rydberg atoms in triangular lattices. Physical Review A, 2013, 87, .	2.5	18

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91	Superfluidâ€“Mott-insulator transition of spin-1 bosons in optical resonators. Physical Review A, 2013, 88, .	2.5	3
92	Nonlinearity enhancement in optomechanical systems. Physical Review A, 2013, 88, .	2.5	22
93	Nearly Total Omnidirectional Reflection by a Single Layer of Nanorods. Physical Review Letters, 2013, 110, 163902.	7.8	30
94	â€“Which-wayâ€™ collective atomic spin excitation among atomic ensembles by photon indistinguishability. New Journal of Physics, 2012, 14, 063034.	2.9	4
95	Stability, adiabaticity and transfer efficiency in a nonlinear $\hat{b}$ -system. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 015301.	1.5	1
96	Compact diode-laser-pumped quantum light source based on four-wave mixing in hot rubidium vapor. Optics Letters, 2012, 37, 3141.	3.3	47
97	Failures of the adiabatic approximation in quantum tunneling time. Physical Review A, 2012, 86, .	2.5	2
98	Phase diagram of Rydberg atoms in a nonequilibrium optical lattice. Physical Review A, 2012, 85, .	2.5	28
99	Optical logic gates using coherent feedback. Applied Physics Letters, 2012, 101, .	3.3	14
100	Retrieval of phase memory in two independent atomic ensembles by Raman process. Europhysics Letters, 2012, 97, 34005.	2.0	9
101	Role Reversal in a Bose-Condensed Optomechanical System. Physical Review Letters, 2012, 108, 240405.	7.8	19
102	Squeezing bandwidth controllable twin beam light and phase sensitive nonlinear interferometer based on atomic ensembles. Science Bulletin, 2012, 57, 1925-1930.	1.7	3
103	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
104	Realization of nonlinear interferometer and quantum correlated multiple beams using two four wave mixing amplifier in hot rubidium vapor. , 2012, , .		0
105	Storage and retrieval of continuous-variable polarization-entangled cluster states in atomic ensembles. Physical Review A, 2011, 84, .	2.5	2
106	Observation of coherence between two independent atomic ensembles by Raman scattering. Optics Letters, 2011, 36, 2740.	3.3	0
107	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
108	Generation of frequency-multiplexed entangled single photons assisted by entanglement. Physical Review A, 2011, 83, .	2.5	6

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109	Cavity-induced switching between localized and extended states in a noninteracting Bose-Einstein condensate. <i>Physical Review A</i> , 2011, 84, .	2.5	18
110	Measurement backaction on the quantum spin-mixing dynamics of a spin-1 Bose-Einstein condensate. <i>Physical Review A</i> , 2011, 83, .	2.5	7
111	Entanglement of nanomechanical oscillators and two-mode fields induced by atomic coherence. <i>Physical Review A</i> , 2011, 83, .	2.5	92
112	Light-scattering detection of quantum phases of ultracold atoms in optical lattices. <i>Physical Review A</i> , 2011, 83, .	2.5	22
113	Strong Local-Field Effect on the Dynamics of a Dilute Atomic Gas Irradiated by Two Counterpropagating Optical Fields: Beyond Standard Optical Lattices. <i>Physical Review Letters</i> , 2011, 106, 210403.	7.8	15
114	Realization of a nonlinear interferometer with parametric amplifiers. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	152
115	Elimination of collisional effects in an R-type atom-molecule adiabatic passage. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 155206.	1.5	1
116	Coherently enhanced Raman scattering in atomic vapor. <i>Physical Review A</i> , 2010, 82, .	2.5	11
117	Observation of temporal beating in first- and second-order intensity measurement between independent Raman Stokes fields in atomic vapor. <i>Physical Review A</i> , 2010, 82, .	2.5	12
118	Spin dynamics and domain formation of a spinor Bose-Einstein condensate in an optical cavity. <i>Physical Review A</i> , 2010, 81, .	2.5	30
119	Observation of the Rabi Oscillation of Light Driven by an Atomic Spin Wave. <i>Physical Review Letters</i> , 2010, 105, 133603.	7.8	19
120	Quantum tunneling time of a Bose-Einstein condensate traversing through a laser-induced potential barrier. <i>Physical Review A</i> , 2010, 81, .	2.5	5
121	Laser-catalyzed spin-exchange process in a Bose-Einstein condensate. <i>Physical Review A</i> , 2010, 81, .	2.5	5
122	Achieving ground-state polar molecular condensates by chainwise atom-molecule adiabatic passage. <i>Physical Review A</i> , 2010, 81, .	2.5	13
123	Efficient production of polar molecular Bose-Einstein condensates via an all-optical R-type atom-molecule adiabatic passage. <i>New Journal of Physics</i> , 2010, 12, 033002.	2.9	5
124	Semiparametric Mean-Covariance Regression Analysis for Longitudinal Data. <i>Journal of the American Statistical Association</i> , 2010, 105, 181-193.	3.1	84
125	Storage of polarization-encoded cluster states in an atomic system. <i>Physical Review A</i> , 2009, 79, .	2.5	5
126	Generating correlated pairs in an active-Raman-gain medium. <i>Physical Review A</i> , 2009, 79, .	2.5	5



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127	Quantum control of light through an atom-molecule dark state. <i>Physical Review A</i> , 2009, 80, .	2.5	13
128	Adiabatic Rosen-Zener interferometry with ultracold atoms. <i>Physical Review A</i> , 2009, 80, .	2.5	20
129	Enhanced Raman scattering by spatially distributed atomic coherence. <i>Applied Physics Letters</i> , 2009, 95, 041115.	3.3	21
130	Cavity-Mediated Strong Matter Wave Bistability in a Spin-1 Condensate. <i>Physical Review Letters</i> , 2009, 103, 160403.	7.8	45
131	Cold atomic clouds and Bose-Einstein condensates passing through a Gaussian beam. <i>Physical Review A</i> , 2009, 80, .	2.5	5
132	Detection of Fermi pairing via electromagnetically induced transparency. <i>Physical Review A</i> , 2009, 80, .	2.5	10
133	Effective mass approach for a Bose-Einstein condensate in an optical lattice. <i>Science Bulletin</i> , 2009, 54, 4182-4196.	1.7	4
134	Generation of a single-photon source via a four-wave mixing process in a cavity. <i>Physical Review A</i> , 2009, 80, .	2.5	7
135	Phase Separation in a two-Species Atomic Bose-Einstein Condensate with an Interspecies Feshbach Resonance. , 2009, , .		0
136	Quantum random walks in a coherent atomic system via electromagnetically induced transparency. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, C39.	2.1	2
137	Goos-Hänchen-like shifts in atom optics. <i>Physical Review A</i> , 2008, 77, .	2.5	42
138	Creation of three-species $^{87}\text{Rb}^{40}\text{K}^6\text{Li}$ molecules: interfering for the best. <i>New Journal of Physics</i> , 2008, 10, 123005.	2.9	9
139	Phase separation in a two-species atomic Bose-Einstein condensate with an interspecies Feshbach resonance. <i>Physical Review A</i> , 2008, 78, .	2.5	24
140	Macroscopic Atom-Molecule Dark State and Its Collective Excitations in Fermionic Systems. <i>Physical Review Letters</i> , 2007, 99, 250404.	7.8	10
141	Adiabatic Condition for Nonlinear Systems. <i>Physical Review Letters</i> , 2007, 98, 050406.	7.8	93
142	Modulational instability of nonlinear spin waves in an atomic chain of spinor Bose-Einstein condensates. <i>Physical Review B</i> , 2007, 76, .	3.2	10
143	Adiabatic theorem for a condensate system in an atom-molecule dark state. <i>Physical Review A</i> , 2007, 75, .	2.5	37
144	Properties of a coupled two-species atom-heteronuclear-molecule condensate. <i>Physical Review A</i> , 2007, 75, .	2.5	27

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145	Coherent enhancement of broadband frequency up-conversion in BBO crystal by shaping femtosecond laser pulses. <i>Optics Communications</i> , 2007, 271, 559-563.	2.1	3
146	Optimization of single attosecond x-ray pulses by genetic algorithm control of the chirp and initial phase of 5 fs laser pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 771.	2.1	7
147	Optimization of single attosecond x-ray pulses by genetic algorithm control of the chirp and initial phase of 5 fs laser pulses: erratum. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 1995.	2.1	0
148	Molecular vortex generated from an atom-molecule dark state. <i>Physical Review A</i> , 2006, 73, .	2.5	4
149	Ultracold Two-Component Fermionic Gases with a Magnetic Field Gradient Near a Feshbach Resonance. <i>Physical Review Letters</i> , 2005, 95, 120401.	7.8	52
150	Magnetic solitons of spinor Bose-Einstein condensates in an optical lattice. <i>Physical Review A</i> , 2004, 69, .	2.5	51
151	Inhibiting Three-Body Recombination in Atomic Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2004, 92, 140401.	7.8	16
152	Fundamental limit for integrated atom optics with Bose-Einstein condensates. <i>Physical Review A</i> , 2003, 68, .	2.5	54
153	Wave Mixing of Optical Pulses and Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2003, 91, 150407.	7.8	57
154	Molecular Micromaser. <i>Physical Review Letters</i> , 2003, 91, 190401.	7.8	8
155	Feshbach-Resonance-Induced Atomic Filamentation and Quantum Pair Correlation in Atom-Laser-Beam Propagation. <i>Physical Review Letters</i> , 2003, 90, 140401.	7.8	10
156	Two-fermion bound state in a Bose-Einstein condensate. <i>Physical Review A</i> , 2003, 67, .	2.5	4
157	Spin Waves in a Bose-Einstein Condensed Atomic Spin Chain. <i>Physical Review Letters</i> , 2002, 88, 060401.	7.8	63
158	Phonon Spectrum and Dynamical Stability of a Dilute Quantum Degenerate Bose-Fermi Mixture. <i>Physical Review Letters</i> , 2002, 88, 070408.	7.8	35
159	Macroscopic Spin Tunneling and Quantum Critical Behavior of a Condensate in a Double-Well Potential. <i>Physical Review Letters</i> , 2002, 89, 090401.	7.8	46
160	Raman coupler for a trapped two-component quantum-degenerate Fermi gas. <i>Physical Review A</i> , 2002, 65, .	2.5	5
161	Magnetism in a lattice of spinor Bose-Einstein condensates. <i>Physical Review A</i> , 2002, 66, .	2.5	35
162	Atom Optics - From de Broglie Waves to Heisenberg Ferromagnets. <i>Fortschritte Der Physik</i> , 2002, 50, 664-669.	4.4	1

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163	Ferromagnetism in a Lattice of Bose-Einstein Condensates. Physical Review Letters, 2001, 87, 140405.	7.8	90
164	Geometric phase in SU(N) interferometry. European Physical Journal D, 2001, 51, 312-320.	0.4	3
165	Geometric Phase of Three-Level Systems in Interferometry. Physical Review Letters, 2001, 86, 369-372.	7.8	32
166	Modulational instability of spinor condensates. Physical Review A, 2001, 64, .	2.5	75
167	Fragmented Condensate Ground State of Trapped Weakly Interacting Bosons in Two Dimensions. Physical Review Letters, 2001, 87, 030404.	7.8	20
168	Collisional and Collapse Dynamics of a Twin Bose-Einstein Condensate with Negative Scattering Length. , 2001, , 70-76.		0
169	Creation of skyrmions in a spinor Bose-Einstein condensate. Physical Review A, 2000, 62, .	2.5	51
170	Identity verification in quantum key distribution. Physical Review A, 2000, 61, .	2.5	110
171	Weak-force detection using a double Bose-Einstein condensate. Physical Review A, 1999, 59, 4630-4635.	2.5	14
172	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
173	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
174	A high-field trap to Bose condense caesium. Journal of Optics B: Quantum and Semiclassical Optics, 1999, 1, 420-423.	1.4	5
175	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
176	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
177	Quantized circular motion of a trapped Bose-Einstein condensate: Coherent rotation and vortices. Physical Review A, 1998, 57, 4761-4769.	2.5	44
178	Laser-induced rotation of a trapped Bose-Einstein condensate. Physical Review A, 1998, 57, 3801-3804.	2.5	36
179	Accelerated guided atomic pulse. Physical Review A, 1997, 56, 2051-2055.	2.5	6
180	Vortex Coupler for Atomic Bose-Einstein Condensates. Physical Review Letters, 1997, 79, 4728-4731.	7.8	154

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181	Self-trapping and self-focusing of a coherent atomic beam. <i>Physical Review A</i> , 1997, 56, 1433-1437.	2.5	10
182	Electronic spin resonance of a weakly interacting Bose gas. <i>Physical Review B</i> , 1997, 56, 14645-14649.	3.2	0
183	<title>Modulated Rabi oscillation of a weakly interacting Bose gas in electronic spin resonance</title>. , 1997, , .		0
184	<title>Atomic self-trapping and self-focusing in a light medium</title>. , 1997, 2995, 262.		0
185	<title>Transient atom optics: reflection and transmission of atoms by a time-dependent laser field</title>. , 1997, , .		0
186	<title>Detection of macroscopic quantum coherence of a Bose-Einstein condensate by electronic spin echo</title>. , 1997, , .		1
187	Vector Quantum Field Theory of Atoms: Nonlinear Atom Optics and Bose - Einstein Condensate. <i>Australian Journal of Physics</i> , 1996, 49, 819.	0.6	1
188	Quantum conversion between laser fields and vibrational wave-packets of particles in a three-dimensional quantized trap. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 219, 49-58.	2.1	0
189	Resonant atomic tunneling through a laser beam. <i>Physical Review A</i> , 1996, 54, 5447-5449.	2.5	4
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