

# Michael Fleischhauer

## List of Publications by Year in descending order

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232  
papers

20,509  
citations

23567

58  
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9861

141  
g-index

236  
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236  
docs citations

236  
times ranked

8480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetically induced transparency: Optics in coherent media. <i>Reviews of Modern Physics</i> , 2005, 77, 633-673.	45.6	4,235
2	Plasmonic analogue of electromagnetically induced transparency at the Drude damping limit. <i>Nature Materials</i> , 2009, 8, 758-762.	27.5	1,651
3	Dark-State Polaritons in Electromagnetically Induced Transparency. <i>Physical Review Letters</i> , 2000, 84, 5094-5097.	7.8	1,418
4	Dipole Blockade and Quantum Information Processing in Mesoscopic Atomic Ensembles. <i>Physical Review Letters</i> , 2001, 87, 037901.	7.8	1,290
5	Quantum memory for photons: Dark-state polaritons. <i>Physical Review A</i> , 2002, 65, .	2.5	643
6	Electromagnetically induced transparency with tunable single-photon pulses. <i>Nature</i> , 2005, 438, 837-841.	27.8	635
7	Non-Abelian Gauge Potentials for Ultracold Atoms with Degenerate Dark States. <i>Physical Review Letters</i> , 2005, 95, 010404.	7.8	444
8	Coherent Manipulation of Atoms Molecules By Sequential Laser Pulses. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2001, 46, 55-190.	2.3	369
9	Entanglement of Atomic Ensembles by Trapping Correlated Photon States. <i>Physical Review Letters</i> , 2000, 84, 4232-4235.	7.8	367
10	Resonantly enhanced refractive index without absorption via atomic coherence. <i>Physical Review A</i> , 1992, 46, 1468-1487.	2.5	342
11	Quantum interference effects induced by interacting dark resonances. <i>Physical Review A</i> , 1999, 60, 3225-3228.	2.5	307
12	Universal Approach to Optimal Photon Storage in Atomic Media. <i>Physical Review Letters</i> , 2007, 98, 123601.	7.8	306
13	Photon-Photon Interactions via Rydberg Blockade. <i>Physical Review Letters</i> , 2011, 107, 133602.	7.8	305
14	High-sensitivity magnetometer based on index-enhanced media. <i>Physical Review Letters</i> , 1992, 69, 1360-1363.	7.8	300
15	Quantum emitters coupled to surface plasmons of a nanowire: A Greenâ€™s function approach. <i>Physical Review B</i> , 2010, 82, .	3.2	217
16	Spectroscopy in Dense Coherent Media: Line Narrowing and Interference Effects. <i>Physical Review Letters</i> , 1997, 79, 2959-2962.	7.8	206
17	Quantum Noise and Correlations in Resonantly Enhanced Wave Mixing Based on Atomic Coherence. <i>Physical Review Letters</i> , 1999, 82, 1847-1850.	7.8	196
18	Robust creation and phase-sensitive probing of superposition states via stimulated Raman adiabatic passage (STIRAP) with degenerate dark states. <i>Optics Communications</i> , 1998, 155, 144-154.	2.1	195

#	ARTICLE	IF	CITATIONS
19	Long-range interactions and entanglement of slow single-photon pulses. <i>Physical Review A</i> , 2005, 72, .	2.5	193
20	Electromagnetically Induced Transparency with Rydberg Atoms. <i>Physical Review Letters</i> , 2011, 107, 213601.	7.8	193
21	Intracavity electromagnetically induced transparency. <i>Optics Letters</i> , 1998, 23, 295.	3.3	187
22	How to trap photons? Storing single-photon quantum states in collective atomic excitations. <i>Optics Communications</i> , 2000, 179, 395-410.	2.1	147
23	Lasing without inversion and enhancement of the index of refraction via interference of incoherent pump processes. <i>Optics Communications</i> , 1992, 87, 109-114.	2.1	135
24	Tunable Negative Refraction without Absorption via Electromagnetically Induced Chirality. <i>Physical Review Letters</i> , 2007, 99, 073602.	7.8	131
25	Quantum sensitivity limits of an optical magnetometer based on atomic phase coherence. <i>Physical Review A</i> , 1994, 49, 1973-1986.	2.5	128
26	Propagation of laser pulses and coherent population transfer in dissipative three-level systems: An adiabatic dressed-state picture. <i>Physical Review A</i> , 1996, 54, 794-803.	2.5	120
27	White-light cavities, atomic phase coherence, and gravitational wave detectors. <i>Optics Communications</i> , 1997, 134, 431-439.	2.1	119
28	Topological Edge States in the One-Dimensional Superlattice Bose-Hubbard Model. <i>Physical Review Letters</i> , 2013, 110, 260405.	7.8	118
29	Interfacing Superconducting Qubits and Telecom Photons via a Rare-Earth-Doped Crystal. <i>Physical Review Letters</i> , 2014, 113, 063603.	7.8	118
30	Quantum limit of optical magnetometry in the presence of ac Stark shifts. <i>Physical Review A</i> , 2000, 62, .	2.5	112
31	Light-induced effective magnetic fields for ultracold atoms in planar geometries. <i>Physical Review A</i> , 2006, 73, .	2.5	111
32	Quantum Information Processing with Single Photons and Atomic Ensembles in Microwave Coplanar Waveguide Resonators. <i>Physical Review Letters</i> , 2008, 100, 170501.	7.8	107
33	Evidence for Unbounded Growth of the Number Entropy in Many-Body Localized Phases. <i>Physical Review Letters</i> , 2020, 124, 243601.	7.8	105
34	Nonlinear theory of index enhancement via quantum coherence and interference. <i>Physical Review A</i> , 1993, 47, 4994-5002.	2.5	102
35	Lasers Without Inversion. <i>Science</i> , 1994, 263, 337-338.	12.6	94
36	Revivals made simple: Poisson summation formula as a key to the revivals in the Jaynes-Cummings model. <i>Physical Review A</i> , 1993, 47, 4258-4269.	2.5	92

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37	Decoherence-Free Generation of Many-Particle Entanglement by Adiabatic Ground-State Transitions. Physical Review Letters, 2003, 90, 133601.	7.8	91
38	Mesoscopic Rydberg-blockaded ensembles in the superatom regime and beyond. Nature Physics, 2015, 11, 157-161.	16.7	91
39	Correlation of high-frequency phase fluctuations in electromagnetically induced transparency. Physical Review Letters, 1994, 72, 989-992.	7.8	89
40	Steady-state crystallization of Rydberg excitations in an optically driven lattice gas. Physical Review A, 2013, 87, .	2.5	88
41	Lasing without inversion: interference of radiatively broadened resonances in dressed atomic systems. Optics Communications, 1992, 94, 599-608.	2.1	85
42	Strongly interacting photons in hollow-core waveguides. Physical Review A, 2011, 83, .	2.5	82
43	Wigner Crystallization of Single Photons in Cold Rydberg Ensembles. Physical Review Letters, 2013, 111, 113001.	7.8	79
44	Slow delocalization of particles in many-body localized phases. Physical Review B, 2021, 103, .	3.2	79
45	Quantum liquid of repulsively bound pairs of particles in a lattice. Physical Review A, 2007, 76, .	2.5	76
46	Bistability Versus Metastability in Driven Dissipative Rydberg Gases. Physical Review X, 2017, 7, .	8.9	72
47	Pulse matching and correlation of phase fluctuations in $\hat{\rho}$ systems. Physical Review A, 1995, 51, 2430-2442.	2.5	70
48	Spatial correlations of Rydberg excitations in optically driven atomic ensembles. Physical Review A, 2013, 87, .	2.5	68
49	Enhancement of magneto-optic effects via large atomic coherence in optically dense media. Physical Review A, 2000, 62, .	2.5	66
50	Antiferromagnetic long-range order in dissipative Rydberg lattices. Physical Review A, 2014, 90, .	2.5	66
51	Suppression of spontaneous emission and superradiance over macroscopic distances in media with negative refraction. Physical Review A, 2005, 71, .	2.5	65
52	Sensitive detection of magnetic fields including their orientation with a magnetometer based on atomic phase coherence. Physical Review A, 1998, 58, 2587-2595.	2.5	64
53	Probing the Topology of Density Matrices. Physical Review X, 2018, 8, .	8.9	64
54	Coherent control of stationary light pulses. Optics Communications, 2006, 264, 441-453.	2.1	61

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55	Dark-state polaritons for multicomponent and stationary light fields. <i>Physical Review A</i> , 2008, 77, .	2.5	59
56	Fidelity of photon propagation in electromagnetically induced transparency in the presence of four-wave mixing. <i>Physical Review A</i> , 2013, 88, .	2.5	59
57	Piezophotonic Switching Due to Local Field Effects in a Coherently Prepared Medium of Three-Level Atoms. <i>Physical Review Letters</i> , 1994, 73, 1789-1792.	7.8	58
58	Radiative atom-atom interactions in optically dense media: Quantum corrections to the Lorentz-Lorenz formula. <i>Physical Review A</i> , 1999, 59, 2427-2441.	2.5	58
59	Interferometric measurements of many-body topological invariants using mobile impurities. <i>Nature Communications</i> , 2016, 7, 11994.	12.8	58
60	Interaction of impurity atoms in Bose-Einstein condensates. <i>Physical Review A</i> , 2005, 71, .	2.5	57
61	Critical exponents of steady-state phase transitions in fermionic lattice models. <i>Physical Review A</i> , 2012, 86, .	2.5	57
62	Anomalous Stimulated Brillouin Scattering via Ultraslow Light. <i>Physical Review Letters</i> , 2001, 86, 2006-2009.	7.8	55
63	Wigner crystal versus Friedel oscillations in the one-dimensional Hubbard model. <i>Physical Review B</i> , 2009, 79, .	3.2	53
64	Simulation of a quantum phase transition of polaritons with trapped ions. <i>Physical Review A</i> , 2009, 80, .	2.5	53
65	Dipole-dipole shift of quantum emitters coupled to surface plasmons of a nanowire. <i>Physical Review B</i> , 2011, 84, .	3.2	53
66	Stationary Source of Nonclassical or Entangled Atoms. <i>Physical Review Letters</i> , 2002, 88, 070404.	7.8	51
67	Bose-Einstein Condensation of Stationary-Light Polaritons. <i>Physical Review Letters</i> , 2008, 101, 163601.	7.8	50
68	Many-body effects on adiabatic passage through Feshbach resonances. <i>Physical Review A</i> , 2006, 73, .	2.5	46
69	Many-body protected entanglement generation in interacting spin systems. <i>Physical Review A</i> , 2008, 77, .	2.5	46
70	Realization of a Density-Dependent Peierls Phase in a Synthetic, Spin-Orbit Coupled Rydberg System. <i>Physical Review X</i> , 2020, 10, .	8.9	45
71	Confining Stationary Light: Dirac Dynamics and Klein Tunneling. <i>Physical Review Letters</i> , 2009, 102, 063602.	7.8	44
72	Effective Magnetic Fields for Stationary Light. <i>Physical Review Letters</i> , 2010, 104, 033903.	7.8	44

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73	Interfacing microwave qubits and optical photons via spin ensembles. <i>Physical Review A</i> , 2015, 91, .	2.5	44
74	Geometric phase gate without dynamical phases. <i>Physical Review A</i> , 2004, 69, .	2.5	43
75	Spontaneous emission from a two-level atom in two-band anisotropic photonic crystals. <i>Physical Review A</i> , 2003, 68, .	2.5	42
76	Sagnac Interferometry Based on Ultraslow Polaritons in Cold Atomic Vapors. <i>Physical Review Letters</i> , 2004, 92, 253201.	7.8	42
77	Fermionization dynamics of a strongly interacting one-dimensional Bose gas after an interaction quench. <i>New Journal of Physics</i> , 2010, 12, 083065.	2.9	42
78	Two-photon linewidth of light "stopping" via electromagnetically induced transparency. <i>Physical Review A</i> , 2002, 66, .	2.5	41
79	Many-body physics of Rydberg dark-state polaritons in the strongly interacting regime. <i>Physical Review A</i> , 2015, 92, .	2.5	41
80	One-dimensional Bose-Fermi-Hubbard model in the heavy-fermion limit. <i>Physical Review A</i> , 2008, 77, .	2.5	40
81	Bounds on the entanglement entropy by the number entropy in non-interacting fermionic systems. <i>SciPost Physics</i> , 2020, 8, .	4.9	40
82	Exact numerical simulations of a one-dimensional trapped Bose gas. <i>Physical Review A</i> , 2007, 75, .	2.5	39
83	Tunable Polarons of Slow-Light Polaritons in a Two-Dimensional Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2016, 116, 053602.	7.8	39
84	Spontaneous emission and level shifts in absorbing disordered dielectrics and dense atomic gases: A Green's-function approach. <i>Physical Review A</i> , 1999, 60, 2534-2539.	2.5	38
85	Efficient and robust entanglement generation in a many-particle system with resonant dipole-dipole interactions. <i>Physical Review A</i> , 2002, 66, .	2.5	38
86	Qubit Protection in Nuclear-Spin Quantum Dot Memories. <i>Physical Review Letters</i> , 2009, 103, 010502.	7.8	38
87	Dynamic defects in photonic Floquet topological insulators. <i>New Journal of Physics</i> , 2017, 19, 083003.	2.9	38
88	Symmetry Classes of Open Fermionic Quantum Matter. <i>Physical Review X</i> , 2021, 11, .	8.9	38
89	Photon-Number Selective Group Delay in Cavity Induced Transparency. <i>Physical Review Letters</i> , 2010, 105, 013601.	7.8	37
90	Dynamics of Pair Correlations in the Attractive Lieb-Liniger Gas. <i>Physical Review Letters</i> , 2010, 105, 150403.	7.8	37

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91	Scattering of dark-state polaritons in optical lattices and quantum phase gate for photons. Physical Review A, 2004, 69, .	2.5	36
92	Photonic Phase Gate via an Exchange of Fermionic Spin Waves in a Spin Chain. Physical Review Letters, 2010, 105, 060502.	7.8	36
93	Multiband and nonlinear hopping corrections to the three-dimensional Bose-Fermi-Hubbard model. Physical Review A, 2011, 83, .	2.5	36
94	Topological Growing of Laughlin States in Synthetic Gauge Fields. Physical Review Letters, 2014, 113, 155301.	7.8	36
95	Prethermalization in the cooling dynamics of an impurity in a Bose-Einstein condensate. Physical Review A, 2018, 97, .	2.5	35
96	Fate of dynamical phase transitions at finite temperatures and in open systems. Physical Review B, 2018, 97, .	3.2	35
97	Quantum theory of resonantly enhanced four-wave mixing: Mean-field and exact numerical solutions. Physical Review A, 2002, 66, .	2.5	34
98	Reservoir-induced Thouless pumping and symmetry-protected topological order in open quantum chains. Physical Review B, 2016, 94, .	3.2	34
99	Threshold and Linewidth of a Mirrorless Parametric Oscillator. Physical Review Letters, 2000, 84, 3558-3561.	7.8	33
100	Beyond the Fokker-Planck equation: Stochastic simulation of complete Wigner representation for the optical parametric oscillator. Europhysics Letters, 2001, 56, 372-378.	2.0	33
101	Nonlinear Adiabatic Passage from Fermion Atoms to Boson Molecules. Physical Review Letters, 2005, 95, 170403.	7.8	33
102	Limits of topological protection under local periodic driving. Light: Science and Applications, 2019, 8, 63.	16.6	32
103	Commuting Heisenberg operators as the quantum response problem: Time-normal averages in the truncated Wigner representation. Physical Review A, 2009, 80, .	2.5	30
104	Low-loss negative refraction by laser-induced magnetoelectric cross coupling. Physical Review A, 2009, 79, .	2.5	30
105	Spinor Slow-Light and Dirac Particles with Variable Mass. Physical Review Letters, 2010, 105, 173603.	7.8	30
106	Strong-coupling Bose polarons in one dimension: Condensate deformation and modified Bogoliubov phonons. Physical Review Research, 2020, 2, .	3.6	29
107	Entanglement generation by adiabatic navigation in the space of symmetric multiparticle states. Physical Review A, 2002, 66, .	2.5	28
108	Polaron Interactions and Bipolarons in One-Dimensional Bose Gases in the Strong Coupling Regime. Physical Review Letters, 2021, 127, 103401.	7.8	28

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109	Coherent population transfer beyond the adiabatic limit: Generalized matched pulses and higher-order trapping states. <i>Physical Review A</i> , 1999, 59, 3751-3760.	2.5	27
110	Decoherence in collective quantum memories for photons. <i>Physical Review A</i> , 2005, 72, .	2.5	27
111	Analytic approximations to the phase diagram of the Jaynes-Cummings-Hubbard model. <i>Physical Review A</i> , 2009, 80, .	2.5	27
112	Influence of pump-field phase diffusion on laser gain in a double- $\lambda$ non-inversion laser. <i>Optics Communications</i> , 1994, 110, 351-357.	2.1	26
113	A review of local field effects in lasing without inversion. <i>Journal of the European Optical Society Part B: Quantum Optics</i> , 1994, 6, 371-380.	1.2	26
114	Many-particle entanglement in the gaped antiferromagnetic Lipkin model. <i>Physical Review A</i> , 2005, 72, .	2.5	26
115	Transport-induced melting of crystals of Rydberg dressed atoms in a one-dimensional lattice. <i>New Journal of Physics</i> , 2012, 14, 095009.	2.9	26
116	From Anderson to anomalous localization in cold atomic gases with effective spin-orbit coupling. <i>New Journal of Physics</i> , 2012, 14, 073056.	2.9	26
117	Dynamical Simulation of Integrable and Nonintegrable Models in the Heisenberg Picture. <i>Physical Review Letters</i> , 2011, 106, 077202.	7.8	25
118	Quantum theory of laser emission from driven three-level atoms. <i>Optics Communications</i> , 1992, 94, 174-182.	2.1	24
119	Electromagnetically induced transparency and coherent-state preparation in optically thick media. <i>Optics Express</i> , 1999, 4, 107.	3.4	24
120	Phase-noise squeezing in electromagnetically induced transparency. <i>Physical Review A</i> , 1992, 46, 5856-5859.	2.5	23
121	Fractional quantum Hall physics with ultracold Rydberg gases in artificial gauge fields. <i>Physical Review A</i> , 2013, 87, .	2.5	23
122	Quantum-field-theoretical approach to phase-space techniques: Generalizing the positive-Prepresentation. <i>Physical Review A</i> , 2003, 67, .	2.5	22
123	Spatiotemporal fermionization of strongly interacting one-dimensional bosons. <i>Physical Review A</i> , 2012, 86, .	2.5	22
124	Unlimited growth of particle fluctuations in many-body localized phases. <i>Annals of Physics</i> , 2021, , 168481.	2.8	22
125	Local-field effects in magnetodielectric media: Negative refraction and absorption reduction. <i>Physical Review A</i> , 2007, 76, .	2.5	21
126	Stationary light in cold-atomic gases. <i>Physical Review A</i> , 2009, 80, .	2.5	21



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127	Dynamics and evaporation of defects in Mott-insulating clusters of boson pairs. Physical Review A, 2012, 85, .	2.5	21
128	Finite-size corrections to quantized particle transport in topological charge pumps. Physical Review B, 2017, 96, .	3.2	21
129	Dynamical Variational Approach to Bose Polarons at Finite Temperatures. Physical Review Letters, 2020, 124, 223401.	7.8	21
130	Attractively bound pairs of atoms in the Bose-Hubbard model and antiferromagnetism. Physical Review A, 2009, 79, .	2.5	20
131	Frequency Matching in Light-Storage Spectroscopy of Atomic Raman Transitions. Physical Review Letters, 2009, 103, 093601.	7.8	20
132	Discretized versus continuous models of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow} \langle \text{mml:mi} \text{p} \text{mml:mi} \rangle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -wave interacting fermions in one dimension. Physical Review A, 2010, 82, .	2.5	19
133	Fermion-mediated long-range interactions of bosons in the one-dimensional Bose-Fermi-Hubbard model. Physical Review A, 2010, 81, .	2.5	19
134	Storing and releasing light in a gas of moving atoms. Physical Review A, 2003, 67, .	2.5	18
135	Atomic coherence effects within the sodium D1 manifold. II. Coherent optical pumping. Journal of the European Optical Society Part B: Quantum Optics, 1994, 6, 245-260.	1.2	17
136	The Influence of Optical Processing Through Linear Passive Systems on the Quantum Properties of Light. Journal of Modern Optics, 1991, 38, 677-694.	1.3	15
137	Quantum-theory of photodetection without the rotating wave approximation. Journal of Physics A, 1998, 31, 453-463.	1.6	15
138	Optical pumping in dense atomic media: Limitations due to reabsorption of spontaneously emitted photons. Europhysics Letters, 1999, 45, 659-665.	2.0	15
139	Resonant nonlinear optics in coherently prepared media: Full analytic solutions. Physical Review A, 2002, 66, .	2.5	15
140	Filled Landau levels in neutral quantum gases. Physical Review A, 2005, 72, .	2.5	15
141	Photonic-band-gap properties for two-component slow light. Physical Review A, 2011, 83, .	2.5	15
142	Eliminating nonlinear phase mismatch in resonantly enhanced four-wave mixing. Optics Communications, 2002, 212, 335-341.	2.1	14
143	Occupation number and fluctuations in the finite-temperature Bose-Hubbard model. Physical Review A, 2004, 70, .	2.5	14
144	Entanglement and Criticality in Translationally Invariant Harmonic Lattice Systems with Finite-Range Interactions. Physical Review Letters, 2005, 95, 260604.	7.8	14

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145	Lasing without inversion versus optical pumping and lasing without inversion assisted by optical pumping. Optics Communications, 1994, 105, 79-83.	2.1	13
146	Effects of finite-system size in nonlinear optical systems:A quantum many-body approach to parametric oscillation. Physical Review A, 1997, 55, 3059-3072.	2.5	13
147	Comment on "Electromagnetically Induced Left Handedness in Optically Excited Four-Level Atomic Media". Physical Review Letters, 2007, 98, 069301.	7.8	13
148	Role of thermal two-phonon scattering for impurity dynamics in a low-dimensional Bose-Einstein condensate. Physical Review A, 2018, 97, .	2.5	13
149	Quantum fluctuations in the optical parametric oscillator in the limit of a fast decaying subharmonic mode. Physical Review A, 1995, 52, R4344-R4347.	2.5	12
150	Suppression and acceleration effects of measurements on atomic decay in anisotropic photonic crystals. Physical Review A, 2003, 68, .	2.5	12
151	GENERATION OF NARROW-BANDWIDTH SINGLE PHOTONS USING ELECTROMAGNETICALLY INDUCED TRANSPARENCY IN ATOMIC ENSEMBLES. International Journal of Quantum Information, 2007, 05, 51-62.	1.1	12
152	Ultracold bosons in disordered superlattices: Mott insulators induced by tunneling. Physical Review A, 2008, 77, .	2.5	12
153	Quantum particle in a parabolic lattice in the presence of a gauge field. Physical Review A, 2014, 89, .	2.5	12
154	Efficient photon counting and single-photon generation using resonant nonlinear optics. Physical Review A, 2003, 67, .	2.5	11
155	Stochastic simulation of a finite-temperature one-dimensional Bose gas: From the Bogoliubov to the Tonks-Girardeau regime. Physical Review A, 2005, 71, .	2.5	11
156	Nonperturbative approach to multimode photodetection. Physical Review A, 1991, 44, 747-755.	2.5	10
157	Quantum-theoretical treatments of three-photon processes. Physical Review A, 2002, 65, .	2.5	10
158	Spontaneous emission in a photonic crystal near the band edge: Field versus population dynamics. Physical Review E, 2003, 68, 015602.	2.1	10
159	Nonperturbative quantum solutions to resonant four-wave mixing of two single-photon wave packets. Physical Review A, 2003, 68, .	2.5	10
160	Finite-Temperature Topological Invariant for Interacting Systems. Physical Review Letters, 2020, 125, 215701.	7.8	10
161	Piezophotonic switching due to local field effects in a coherently prepared medium of three-level atoms. Physical Review Letters, 1995, 74, 4965-4965.	7.8	9
162	Thermal properties of interacting Bose fields and imaginary-time stochastic differential equations. Europhysics Letters, 1998, 43, 641-647.	2.0	9

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163	Floquet-induced superfluidity with periodically modulated interactions of two-species hardcore bosons in a one-dimensional optical lattice. <i>Physical Review Research</i> , 2020, 2, .	3.6	9
164	Magnetometer based on atomic coherence and possible application to the search for P and T violating permanent electric dipole moments of atoms. <i>Quantum and Semiclassical Optics: Journal of the European Optical Society Part B</i> , 1995, 7, 297-305.	0.9	8
165	Confinement limit of Dirac particles in scalar one-dimensional potentials. <i>Physical Review A</i> , 2009, 79, .	2.5	8
166	Entanglement dynamics in harmonic-oscillator chains. <i>Physical Review A</i> , 2014, 89, .	2.5	8
167	On the adiabatic preparation of spatially-ordered Rydberg excitations of atoms in a one-dimensional optical lattice by laser frequency sweeps. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 084003.	1.5	8
168	Anomalous excitation facilitation in inhomogeneously broadened Rydberg gases. <i>Physical Review A</i> , 2017, 95, .	2.5	8
169	Adiabatic flux insertion and growing of Laughlin states of cavity Rydberg polaritons. <i>Physical Review A</i> , 2018, 98, .	2.5	8
170	Quantum sensitivity limit of a Sagnac hybrid interferometer based on slow-light propagation in ultracold gases. <i>Physical Review A</i> , 2006, 74, .	2.5	7
171	Entanglement of collectively interacting harmonic chains: An effective two-dimensional system. <i>Physical Review A</i> , 2007, 75, .	2.5	7
172	Short-time versus long-time dynamics of entanglement in quantum lattice models. <i>Physical Review A</i> , 2010, 81, .	2.5	7
173	Creation and detection of photonic molecules in Rydberg gases. <i>Physical Review A</i> , 2017, 96, .	2.5	7
174	Many-body dynamics of holes in a driven, dissipative spin chain of Rydberg superatoms. <i>New Journal of Physics</i> , 2017, 19, 113014.	2.9	7
175	Indistinguishable from afar. <i>Nature</i> , 2007, 445, 605-606.	27.8	6
176	Continuous-variable versus electromagnetically-induced-transparency-based quantum memories. <i>Physical Review A</i> , 2008, 78, .	2.5	6
177	Stimulated-Raman-adiabatic-passage mechanism in a magnonic environment. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	6
178	Relation between the N-atom laser and the one-atom laser. <i>Physical Review A</i> , 1994, 50, 2773-2776.	2.5	5
179	Broadband phase-noise squeezing of traveling waves in electromagnetically induced transparency. <i>Physical Review A</i> , 1996, 54, 3691-3694.	2.5	5
180	Particle fluctuations and the failure of simple effective models for many-body localized phases. <i>SciPost Physics</i> , 2022, 12, .	4.9	5

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181	Self-generated quantum gauge fields in arrays of Rydberg atoms. <i>New Journal of Physics</i> , 0, , .	2.9	5
182	Variational truncated Wigner approximation for weakly interacting Bose fields: Dynamics of coupled condensates. <i>SciPost Physics</i> , 2022, 12, .	4.9	5
183	Nonadiabatic linewidth of a $\hat{\Lambda}$ -type noninversion laser. <i>Physical Review A</i> , 1994, 50, 1748-1754.	2.5	4
184	Finite-size effects on squeezing in the self-pulsing regime of second harmonic generation. <i>Physical Review A</i> , 1997, 55, 4516-4519.	2.5	4
185	Toward Quantum Control of Single Photons. <i>Optics and Photonics News</i> , 2006, 17, 22.	0.5	4
186	Adiabatic passage through a Feshbach resonance in a degenerate quantum gas. <i>Journal of Modern Optics</i> , 2007, 54, 697-706.	1.3	4
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