Michael Fleischhauer

List of Publications by Year
in descending order

232	20,509	23500 58	9839 141
papers	citations	h-index	g-index

236	236	236	8480
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Particle fluctuations and the failure of simple effective models for many-body localized phases. SciPost Physics, 2022, 12, .	1.5	5
2	Variational truncated Wigner approximation for weakly interacting Bose fields: Dynamics of coupled condensates. SciPost Physics, 2022, 12, .	1.5	5
3	Ultracold Bose Gases in Dynamic Disorder with Tunable Correlation Time. Physical Review Letters, 2022, 128, .	2.9	1
4	Slow delocalization of particles in many-body localized phases. Physical Review B, 2021, 103, .	1.1	79
5	Unlimited growth of particle fluctuations in many-body localized phases. Annals of Physics, 2021, , 168481.	1.0	22
6	Stimulated-Raman-adiabatic-passage mechanism in a magnonic environment. Applied Physics Letters, 2021, 118, .	1.5	6
7	Symmetry Classes of Open Fermionic Quantum Matter. Physical Review X, 2021, 11, .	2.8	38
8	Quantized transport induced by topology transfer between coupled one-dimensional lattice systems. Physical Review A, 2021, 104, .	1.0	3
9	Polaron Interactions and Bipolarons in One-Dimensional Bose Gases in the Strong Coupling Regime. Physical Review Letters, 2021, 127, 103401.	2.9	28
10	Chern number and Berry curvature for Gaussian mixed states of fermions. Physical Review B, 2021, 104, .	1.1	3
11	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="double-struck">Z</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> topological invariants for mixed states of fermions in time-reversal invariant band structures. Physical Review B, 2021, 104, .	1.1	2
12	Finite-Temperature Topological Invariant for Interacting Systems. Physical Review Letters, 2020, 125, 215701.	2.9	10
13	Synthetic magnetic fields for cold erbium atoms. Physical Review A, 2020, 101, .	1.0	3
14	Realization of a Density-Dependent Peierls Phase in a Synthetic, Spin-Orbit Coupled Rydberg System. Physical Review X, 2020, 10, .	2.8	45
15	Dynamical Variational Approach to Bose Polarons at Finite Temperatures. Physical Review Letters, 2020, 124, 223401.	2.9	21
16	Evidence for Unbounded Growth of the Number Entropy in Many-Body Localized Phases. Physical Review Letters, 2020, 124, 243601.	2.9	105
17	Floquet-induced superfluidity with periodically modulated interactions of two-species hardcore bosons in a one-dimensional optical lattice. Physical Review Research, 2020, 2, .	1.3	9
18	Strong-coupling Bose polarons in one dimension: Condensate deformation and modified Bogoliubov phonons. Physical Review Research, 2020, 2, .	1.3	29

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19	Bounds on the entanglement entropy by the number entropy in non-interacting fermionic systems. SciPost Physics, 2020, 8, .	1.5	40
20	Absence of topology in Gaussian mixed states of bosons. Physical Review B, 2019, 100, .	1.1	4
21	Limits of topological protection under local periodic driving. Light: Science and Applications, 2019, 8, 63.	7.7	32
22	The Oneâ€Dimensional Boseâ€“Fermiâ€“Hubbard Model in the Limit of Fast Fermions. Physica Status Solidi (B): Basic Research, 2019, 256, 1900256.	0.7	0
23	Rotational cooling of molecules in a Bose-Einstein condensate. Physical Review A, 2019, 99, .	1.0	4
24	Depopulation of Edge States under Local Periodic Driving despite Topological Protection. , 2019, , .		0
25	Prethermalization in the cooling dynamics of an impurity in a Bose-Einstein condensate. Physical Review A, 2018, 97, .	1.0	35
26	Probing the Topology of Density Matrices. Physical Review X, 2018, 8, .	2.8	64
27	Fate of dynamical phase transitions at finite temperatures and in open systems. Physical Review B, 2018, 97, .	1.1	35
28	Role of thermal two-phonon scattering for impurity dynamics in a low-dimensional Bose-Einstein condensate. Physical Review A, 2018, 97, .	1.0	13
29	Adiabatic flux insertion and growing of Laughlin states of cavity Rydberg polaritons. Physical Review A, 2018, 98, .	1.0	8
30	Anomalous excitation facilitation in inhomogeneously broadened Rydberg gases. Physical Review A, 2017, 95, .	1.0	8
31	Creation and detection of photonic molecules in Rydberg gases. Physical Review A, 2017, 96, .	1.0	7
32	Finite-size corrections to quantized particle transport in topological charge pumps. Physical Review B, 2017, 96, .	1.1	21
33	Bistability Versus Metastability in Driven Dissipative Rydberg Gases. Physical Review X, 2017, 7, .	2.8	72
34	Dynamic defects in photonic Floquet topological insulators. New Journal of Physics, 2017, 19, 083003.	1.2	38
35	Many-body dynamics of holes in a driven, dissipative spin chain of Rydberg superatoms. New Journal of Physics, 2017, 19, 113014.	1.2	7
36	Temporal Defects in Photonic Topological Insulators. , 2017, , .		0

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37	On the adiabatic preparation of spatially-ordered Rydberg excitations of atoms in a one-dimensional optical lattice by laser frequency sweeps. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 084003.	0.6	8
38	Slow, Stored and Stationary Light. , 2016, , 359-383.		3
39	Number-state filter for pulses of light. Physical Review A, 2016, 93, .	1.0	3
40	Tunable Polarons of Slow-Light Polaritons in a Two-Dimensional Bose-Einstein Condensate. Physical Review Letters, 2016, 116, 053602.	2.9	39
41	Reservoir-induced Thouless pumping and symmetry-protected topological order in open quantum chains. Physical Review B, 2016, 94, .	1.1	34
42	Interferometric measurements of many-body topological invariants using mobile impurities. Nature Communications, 2016, 7, 11994.	5.8	58
43	Many-body physics of Rydberg dark-state polaritons in the strongly interacting regime. Physical Review A, 2015, 92, .	1.0	41
44	Growing quantum states with topological order. Physical Review B, 2015, 91, .	1.1	3
45	Mesoscopic Rydberg-blockaded ensembles in the superatom regime and beyond. Nature Physics, 2015, 11, 157-161.	6.5	91
46	Interfacing microwave qubits and optical photons via spin ensembles. Physical Review A, 2015, 91, .	1.0	44
47	Topological Growing of Laughlin States in Synthetic Gauge Fields. Physical Review Letters, 2014, 113, 155301.	2.9	36
48	Quantum particle in a parabolic lattice in the presence of a gauge field. Physical Review A, 2014, 89, .	1.0	12
49	Interfacing Superconducting Qubits and Telecom Photons via a Rare-Earth-Doped Crystal. Physical Review Letters, 2014, 113, 063603.	2.9	118
50	Antiferromagnetic long-range order in dissipative Rydberg lattices. Physical Review A, 2014, 90, .	1.0	66
51	Entanglement dynamics in harmonic-oscillator chains. Physical Review A, 2014, 89, .	1.0	8
52	Wigner Crystallization of Single Photons in Cold Rydberg Ensembles. Physical Review Letters, 2013, 111, 113001.	2.9	79
53	Steady-state crystallization of Rydberg excitations in an optically driven lattice gas. Physical Review A, 2013, 87, .	1.0	88
54	Spatial correlations of Rydberg excitations in optically driven atomic ensembles. Physical Review A, 2013, 87, .	1.0	68

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55	Topological Edge States in the One-Dimensional Superlattice Bose-Hubbard Model. Physical Review Letters, 2013, 110, 260405.	2.9	118
56	Fidelity of photon propagation in electromagnetically induced transparency in the presence of four-wave mixing. Physical Review A, 2013, 88, .	1.0	59
57	Fractional quantum Hall physics with ultracold Rydberg gases in artificial gauge fields. Physical Review A, 2013, 87, .	1.0	23
58	Transport-induced melting of crystals of Rydberg dressed atoms in a one-dimensional lattice. New Journal of Physics, 2012, 14, 095009.	1.2	26
59	From Anderson to anomalous localization in cold atomic gases with effective spinâ€“orbit coupling. New Journal of Physics, 2012, 14, 073056.	1.2	26
60	Long-range coupling of single atoms mediated by metallic nano-wires and metamaterials: collective decay rate modifications and level shifts. Proceedings of SPIE, 2012, , .	0.8	0
61	Electromagnetically induced transparency and photon-photon interactions with Rydberg atoms. Journal of Physics: Conference Series, 2012, 350, 012001.	0.3	3
62	Critical exponents of steady-state phase transitions in fermionic lattice models. Physical Review A, 2012, 86, .	1.0	57
63	Dynamics and evaporation of defects in Mott-insulating clusters of boson pairs. Physical Review A, 2012, 85, .	1.0	21
64	Spatiotemporal fermionization of strongly interacting one-dimensional bosons. Physical Review A, 2012, 86, .	1.0	22
65	Electromagnetically Induced Transparency with Rydberg Atoms. Physical Review Letters, 2011, 107, 213601.	2.9	193
66	Photon-Photon Interactions via Rydberg Blockade. Physical Review Letters, 2011, 107, 133602.	2.9	305
67	Photonic-band-gap properties for two-component slow light. Physical Review A, 2011, 83, .	1.0	15
68	Switching Light by Vacuum. Science, 2011, 333, 1228-1229.	6.0	3
69	Dipole-dipole shift of quantum emitters coupled to surface plasmons of a nanowire. Physical Review B, 2011, 84, .	1.1	53
70	Multiband and nonlinear hopping corrections to the three-dimensional Bose-Fermi-Hubbard model. Physical Review A, 2011, 83, .	1.0	36
71	Dynamical Simulation of Integrable and Nonintegrable Models in the Heisenberg Picture. Physical Review Letters, 2011, 106, 077202.	2.9	25
72	Strongly interacting photons in hollow-core waveguides. Physical Review A, 2011, 83, .	1.0	82

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73	Discretized versus continuous models of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml:math>-wave interacting fermions in one dimension. Physical Review A, 2010, 82, .	1.0	19
74	Special issue â€œSelected papers presented at the 2009 Spring meeting ofÂtheÂquantum optics and photonics section ofÂtheÂGerman Physical Societyâ€• Applied Physics B: Lasers and Optics, 2010, 98, 607-607.	1.1	0
75	Effective Magnetic Fields for Stationary Light. Physical Review Letters, 2010, 104, 033903.	2.9	44
76	Short-time versus long-time dynamics of entanglement in quantum lattice models. Physical Review A, 2010, 81, .	1.0	7
77	Fermion-mediated long-range interactions of bosons in the one-dimensional Bose-Fermi-Hubbard model. Physical Review A, 2010, 81, .	1.0	19
78	Photon-Number Selective Group Delay in Cavity Induced Transparency. Physical Review Letters, 2010, 105, 013601.	2.9	37
79	Spinor Slow-Light and Dirac Particles with Variable Mass. Physical Review Letters, 2010, 105, 173603.	2.9	30
80	Photonic Phase Gate via an Exchange of Fermionic Spin Waves in a Spin Chain. Physical Review Letters, 2010, 105, 060502.	2.9	36
81	Dynamics of Pair Correlations in the Attractive Lieb-Liniger Gas. Physical Review Letters, 2010, 105, 150403.	2.9	37
82	Fermionization dynamics of a strongly interacting one-dimensional Bose gas after an interaction quench. New Journal of Physics, 2010, 12, 083065.	1.2	42
83	Quantum emitters coupled to surface plasmons of a nanowire: A Greenâ€™s function approach. Physical Review B, 2010, 82, .	1.1	217
84	IRREVERSIBLE PHOTON TRANSFER IN AN ENSEMBLE OF Î›-TYPE ATOMS AND PHOTON DIODE. , 2010, , .		0
85	Plasmonic EIT at the Drude Damping Limit. , 2009, , .		1
86	Confinement limit of Dirac particles in scalar one-dimensional potentials. Physical Review A, 2009, 79, .	1.0	8
87	Stationary light in cold-atomic gases. Physical Review A, 2009, 80, .	1.0	21
88	Analytic approximations to the phase diagram of the Jaynes-Cummings-Hubbard model. Physical Review A, 2009, 80, .	1.0	27
89	Attractively bound pairs of atoms in the Bose-Hubbard model and antiferromagnetism. Physical Review A, 2009, 79, .	1.0	20
90	Qubit Protection in Nuclear-Spin Quantum Dot Memories. Physical Review Letters, 2009, 103, 010502.	2.9	38

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91	Irreversible Photon Transfer in an Ensemble ofÎ›-Type Atoms and a Photon Diode. Physical Review Letters, 2009, 103, 163603.	2.9	3
92	Confining Stationary Light: Dirac Dynamics and Klein Tunneling. Physical Review Letters, 2009, 102, 063602.	2.9	44
93	Wigner crystal versus Friedel oscillations in the one-dimensional Hubbard model. Physical Review B, 2009, 79, .	1.1	53
94	Frequency Matching in Light-Storage Spectroscopy of Atomic Raman Transitions. Physical Review Letters, 2009, 103, 093601.	2.9	20
95	Special Issue â€œSelected papers presented at the 2008 Spring Meeting of the Quantum Optics and Photonics Section ofÂtheÂGerman Physical Societyâ€. Applied Physics B: Lasers and Optics, 2009, 95, 187-187.	1.1	0
96	Plasmonic analogue of electromagnetically induced transparency at the Drude damping limit. Nature Materials, 2009, 8, 758-762.	13.3	1,651
97	A little nonlinear help. Nature Photonics, 2009, 3, 76-77.	15.6	2
98	Commuting Heisenberg operators as the quantum response problem: Time-normal averages in the truncated Wigner representation. Physical Review A, 2009, 80, .	1.0	30
99	Simulation of a quantum phase transition of polaritons with trapped ions. Physical Review A, 2009, 80, .	1.0	53
100	Low-loss negative refraction by laser-induced magnetoelectric cross coupling. Physical Review A, 2009, 79, .	1.0	30
101	Plasmonic EIT at the Drude damping limit. , 2009, , .		2
102	Dark-state polaritons for multicomponent and stationary light fields. Physical Review A, 2008, 77, .	1.0	59
103	Bose-Einstein Condensation of Stationary-Light Polaritons. Physical Review Letters, 2008, 101, 163601.	2.9	50
104	Many-body protected entanglement generation in interacting spin systems. Physical Review A, 2008, 77, .	1.0	46
105	One-dimensional Bose-Fermi-Hubbard model in the heavy-fermion limit. Physical Review A, 2008, 77, .	1.0	40
106	Ultracold bosons in disordered superlattices: Mott insulators induced by tunneling. Physical Review A, 2008, 77, .	1.0	12
107	Continuous-variable versus electromagnetically-induced-transparency-based quantum memories. Physical Review A, 2008, 78, .	1.0	6
108	Publisher's Note: Ultracold bosons in disordered superlattices: Mott insulators induced by tunneling [Phys. Rev. A77, 043618 (2008)]. Physical Review A, 2008, 77, .	1.0	0

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109	Quantum Information Processing with Single Photons and Atomic Ensembles in Microwave Coplanar Waveguide Resonators. Physical Review Letters, 2008, 100, 170501.	2.9	107
110	Stationary light and Bose-Einstein Condensation of Slow-Light Polaritons. , 2008, , .		0
111	Tunable Negative Refraction without Absorption via Electromagnetically Induced Chirality. Physical Review Letters, 2007, 99, 073602.	2.9	131
112	Local-field effects in magnetodielectric media: Negative refraction and absorption reduction. Physical Review A, 2007, 76, .	1.0	21
113	Entanglement of collectively interacting harmonic chains: An effective two-dimensional system. Physical Review A, 2007, 75, .	1.0	7
114	Exact numerical simulations of a one-dimensional trapped Bose gas. Physical Review A, 2007, 75, .	1.0	39
115	Quantum liquid of repulsively bound pairs of particles in a lattice. Physical Review A, 2007, 76, .	1.0	76
116	Symmetry-protected creation of superposition states and entanglement using circulant Hamiltonians. Physical Review A, 2007, 75, .	1.0	2
117	GENERATION OF NARROW-BANDWIDTH SINGLE PHOTONS USING ELECTROMAGNETICALLY INDUCED TRANSPARENCY IN ATOMIC ENSEMBLES. International Journal of Quantum Information, 2007, 05, 51-62.	0.6	12
118	Adiabatic passage through a Feshbach resonance in a degenerate quantum gas. Journal of Modern Optics, 2007, 54, 697-706.	0.6	4
119	Comment on â€œElectromagnetically Induced Left Handedness in Optically Excited Four-Level Atomic Mediaâ€• Physical Review Letters, 2007, 98, 069301.	2.9	13
120	Quantum Noise of Single-Photon Sources Based on Electromagnetically Induced Transparency. , 2007, , .		0
121	Universal Approach to Optimal Photon Storage in Atomic Media. Physical Review Letters, 2007, 98, 123601.	2.9	306
122	Indistinguishable from afar. Nature, 2007, 445, 605-606.	13.7	6
123	Negative refraction and electromagnetically induced chirality. , 2007, , .		0
124	Decoherence and Decoherence Suppression in Ensemble-Based Quantum Memories for Photons. , 2007, , 581-599.		0
125	Toward Quantum Control of Single Photons. Optics and Photonics News, 2006, 17, 22.	0.4	4
126	Coherent control of stationary light pulses. Optics Communications, 2006, 264, 441-453.	1.0	61

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127	Light-induced effective magnetic fields for ultracold atoms in planar geometries. Physical Review A, 2006, 73, .	1.0	111
128	Many-body effects on adiabatic passage through Feshbach resonances. Physical Review A, 2006, 73, .	1.0	46
129	Quantum sensitivity limit of a Sagnac hybrid interferometer based on slow-light propagation in ultracold gases. Physical Review A, 2006, 74, .	1.0	7
130	Electromagnetically induced transparency: Optics in coherent media. Reviews of Modern Physics, 2005, 77, 633-673.	16.4	4,235
131	Electromagnetically induced transparency with tunable single-photon pulses. Nature, 2005, 438, 837-841.	13.7	635
132	Decoherence in collective quantum memories for photons. Physical Review A, 2005, 72, .	1.0	27
133	Interaction of impurity atoms in Bose-Einstein condensates. Physical Review A, 2005, 71, .	1.0	57
134	Nonlinear Adiabatic Passage from Fermion Atoms to Boson Molecules. Physical Review Letters, 2005, 95, 170403.	2.9	33
135	Long-range interactions and entanglement of slow single-photon pulses. Physical Review A, 2005, 72, .	1.0	193
136	Filled Landau levels in neutral quantum gases. Physical Review A, 2005, 72, .	1.0	15
137	Stochastic simulation of a finite-temperature one-dimensional Bose gas: From the Bogoliubov to the Tonks-Girardeau regime. Physical Review A, 2005, 71, .	1.0	11
138	Entanglement and Criticality in Translationally Invariant Harmonic Lattice Systems with Finite-Range Interactions. Physical Review Letters, 2005, 95, 260604.	2.9	14
139	Quantum theory of few-photon nonlinear optics based on electromagnetically induced transparency. , 2005, , .		0
140	Many-particle entanglement in the gaped antiferromagnetic Lipkin model. Physical Review A, 2005, 72, .	1.0	26
141	Suppression of spontaneous emission and superradiance over macroscopic distances in media with negative refraction. Physical Review A, 2005, 71, .	1.0	65
142	Non-Abelian Gauge Potentials for Ultracold Atoms with Degenerate Dark States. Physical Review Letters, 2005, 95, 010404.	2.9	444
143	Occupation number and fluctuations in the finite-temperature Bose-Hubbard model. Physical Review A, 2004, 70, .	1.0	14
144	Geometric phase gate without dynamical phases. Physical Review A, 2004, 69, .	1.0	43

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145	Sagnac Interferometry Based on Ultraslow Polaritons in Cold Atomic Vapors. Physical Review Letters, 2004, 92, 253201.	2.9	42
146	Scattering of dark-state polaritons in optical lattices and quantum phase gate for photons. Physical Review A, 2004, 69, .	1.0	36
147	Relation between discrete and continuous teleportation using linear elements. Quantum Information and Computation, 2004, 4, 122-133.	0.1	0
148	Decoherence-Free Generation of Many-Particle Entanglement by Adiabatic Ground-State Transitions. Physical Review Letters, 2003, 90, 133601.	2.9	91
149	Storing and releasing light in a gas of moving atoms. Physical Review A, 2003, 67, .	1.0	18
150	Spontaneous emission in a photonic crystal near the band edge: Field versus population dynamics. Physical Review E, 2003, 68, 015602.	0.8	10
151	Suppression and acceleration effects of measurements on atomic decay in anisotropic photonic crystals. Physical Review A, 2003, 68, .	1.0	12
152	Efficient photon counting and single-photon generation using resonant nonlinear optics. Physical Review A, 2003, 67, .	1.0	11
153	Quantum-field-theoretical approach to phase-space techniques: Generalizing the positive-Prepresentation. Physical Review A, 2003, 67, .	1.0	22
154	Spontaneous emission from a two-level atom in two-band anisotropic photonic crystals. Physical Review A, 2003, 68, .	1.0	42
155	Nonperturbative quantum solutions to resonant four-wave mixing of two single-photon wave packets. Physical Review A, 2003, 68, .	1.0	10
156	Stationary Source of Nonclassical or Entangled Atoms. Physical Review Letters, 2002, 88, 070404.	2.9	51
157	Efficient and robust entanglement generation in a many-particle system with resonant dipole-dipole interactions. Physical Review A, 2002, 66, .	1.0	38
158	Matskoet al.Reply:. Physical Review Letters, 2002, 88, .	2.9	1
159	Two-photon linewidth of light â€œstoppingâ€•via electromagnetically induced transparency. Physical Review A, 2002, 66, .	1.0	41
160	Entanglement generation by adiabatic navigation in the space of symmetric multiparticle states. Physical Review A, 2002, 66, .	1.0	28
161	Quantum-theoretical treatments of three-photon processes. Physical Review A, 2002, 65, .	1.0	10
162	Quantum theory of resonantly enhanced four-wave mixing: Mean-field and exact numerical solutions. Physical Review A, 2002, 66, .	1.0	34

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163	Resonant nonlinear optics in coherently prepared media: Full analytic solutions. Physical Review A, 2002, 66, .	1.0	15
164	Eliminating nonlinear phase mismatch in resonantly enhanced four-wave mixing. Optics Communications, 2002, 212, 335-341.	1.0	14
165	Quantum memory for photons: Dark-state polaritons. Physical Review A, 2002, 65, .	1.0	643
166	Dipole Blockade and Quantum Information Processing in Mesoscopic Atomic Ensembles. Physical Review Letters, 2001, 87, 037901.	2.9	1,290
167	Coherent Manipulation of Atoms Molecules By Sequential Laser Pulses. Advances in Atomic, Molecular and Optical Physics, 2001, 46, 55-190.	2.3	369
168	Anomalous Stimulated Brillouin Scattering via Ultraslow Light. Physical Review Letters, 2001, 86, 2006-2009.	2.9	55
169	Beyond the Fokker-Planck equation: Stochastic simulation of complete Wigner representation for the optical parametric oscillator. Europhysics Letters, 2001, 56, 372-378.	0.7	33
170	Quantum Information Processing Based on Cavity QED with Mesoscopic Systems. , 2001, , 193-203.		2
171	How to trap photons? Storing single-photon quantum states in collective atomic excitations. Optics Communications, 2000, 179, 395-410.	1.0	147
172	Enhancement of magneto-optic effects via large atomic coherence in optically dense media. Physical Review A, 2000, 62, .	1.0	66
173	Quantum limit of optical magnetometry in the presence of ac Stark shifts. Physical Review A, 2000, 62, .	1.0	112
174	Threshold and Linewidth of a Mirrorless Parametric Oscillator. Physical Review Letters, 2000, 84, 3558-3561.	2.9	33
175	Entanglement of Atomic Ensembles by Trapping Correlated Photon States. Physical Review Letters, 2000, 84, 4232-4235.	2.9	367
176	Dark-State Polaritons in Electromagnetically Induced Transparency. Physical Review Letters, 2000, 84, 5094-5097.	2.9	1,418
177	Mirrorless Oscillation Based on Resonantly Enhanced 4-Wave Mixing: All-Order Analytic Solutions. , 2000, , 97-106.		0
178	Long-time Dynamics of Spontaneous Parametric Down-conversion and Quantum Limitations of Conversion Efficiency. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1999, 54, 57-62.	0.7	2
179	Coherent population transfer beyond the adiabatic limit: Generalized matched pulses and higher-order trapping states. Physical Review A, 1999, 59, 3751-3760.	1.0	27
180	Spontaneous emission and level shifts in absorbing disordered dielectrics and dense atomic gases: A Greenâ€™s-function approach. Physical Review A, 1999, 60, 2534-2539.	1.0	38

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181	Radiative atom-atom interactions in optically dense media: Quantum corrections to the Lorentz-Lorenz formula. Physical Review A, 1999, 59, 2427-2441.	1.0	58
182	Optical pumping in dense atomic media: Limitations due to reabsorption of spontaneously emitted photons. Europhysics Letters, 1999, 45, 659-665.	0.7	15
183	Quantum Noise and Correlations in Resonantly Enhanced Wave Mixing Based on Atomic Coherence. Physical Review Letters, 1999, 82, 1847-1850.	2.9	196
184	Quantum interference effects induced by interacting dark resonances. Physical Review A, 1999, 60, 3225-3228.	1.0	307
185	Electromagnetically induced transparency and coherent-state preparation in optically thick media. Optics Express, 1999, 4, 107.	1.7	24
186	Lasing Without Inversion Via Interference of Double-Dark Resonances in Atomic and Quantum Well Systems. , 1999, , 63-72.		1
187	Robust creation and phase-sensitive probing of superposition states via stimulated Raman adiabatic passage (STIRAP) with degenerate dark states. Optics Communications, 1998, 155, 144-154.	1.0	195
188	Intracavity electromagnetically induced transparency. Optics Letters, 1998, 23, 295.	1.7	187
189	Thermal properties of interacting Bose fields and imaginary-time stochastic differential equations. Europhysics Letters, 1998, 43, 641-647.	0.7	9
190	Quantum-theory of photodetection without the rotating wave approximation. Journal of Physics A, 1998, 31, 453-463.	1.6	15
191	Sensitive detection of magnetic fields including their orientation with a magnetometer based on atomic phase coherence. Physical Review A, 1998, 58, 2587-2595.	1.0	64
192	Effects of finite-system size in nonlinear optical systems:A quantum many-body approach to parametric oscillation. Physical Review A, 1997, 55, 3059-3072.	1.0	13
193	Finite-size effects on squeezing in the self-pulsing regime of second harmonic generation. Physical Review A, 1997, 55, 4516-4519.	1.0	4
194	Spectroscopy in Dense Coherent Media: Line Narrowing and Interference Effects. Physical Review Letters, 1997, 79, 2959-2962.	2.9	206
195	Modification of local field effects in two level systems due to quantum corrections. Optics Express, 1997, 1, 160.	1.7	3
196	The Dressed State Picture in Quantum Coherence and Interference. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1997, 52, 114-116.	0.7	1
197	White-light cavities, atomic phase coherence, and gravitational wave detectors. Optics Communications, 1997, 134, 431-439.	1.0	119
198	Propagation of laser pulses and coherent population transfer in dissipative three-level systems: An adiabatic dressed-state picture. Physical Review A, 1996, 54, 794-803.	1.0	120

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199	Broadband phase-noise squeezing of traveling waves in electromagnetically induced transparency. Physical Review A, 1996, 54, 3691-3694.	1.0	5
200	Local Field Effects in Nonlinear and Quantum Optics. , 1996, , 271-280.		0
201	Quantum fluctuations in the optical parametric oscillator in the limit of a fast decaying subharmonic mode. Physical Review A, 1995, 52, R4344-R4347.	1.0	12
202	Piezophotonic switching due to local field effects in a coherently prepared medium of three-level atoms. Physical Review Letters, 1995, 74, 4965-4965.	2.9	9
203	Mankaet al. Reply:. Physical Review Letters, 1995, 75, 3025-3025.	2.9	0
204	Magnetometer based on atomic coherence and possible application to the search for P and T violating permanent electric dipole moments of atoms. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1995, 7, 297-305.	1.0	8
205	The N-atom laser below saturation: a density matrix approach without large-N scaling. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1995, 7, 357-371.	1.0	1
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