

Iacopo Carusotto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

230
papers

11,854
citations

50
h-index

104
g-index

273
ext. papers

14,426
ext. citations

4.7
avg, IF

6.83
L-index

#	Paper	IF	Citations
230	Quantum fluids of light. <i>Reviews of Modern Physics</i> , 2013 , 85, 299-366	40.5	1111
229	Topological photonics. <i>Reviews of Modern Physics</i> , 2019 , 91,	40.5	1070
228	Superfluidity of polaritons in semiconductor microcavities. <i>Nature Physics</i> , 2009 , 5, 805-810	16.2	628
227	Quantized vortices in an exciton-polariton condensate. <i>Nature Physics</i> , 2008 , 4, 706-710	16.2	499
226	Quantum vacuum properties of the intersubband cavity polariton field. <i>Physical Review B</i> , 2005 , 72,	3.3	407
225	Excitations in a nonequilibrium Bose-Einstein condensate of exciton polaritons. <i>Physical Review Letters</i> , 2007 , 99, 140402	7.4	402
224	Polariton superfluids reveal quantum hydrodynamic solitons. <i>Science</i> , 2011 , 332, 1167-70	33.3	318
223	Direct observation of Dirac cones and a flatband in a honeycomb lattice for polaritons. <i>Physical Review Letters</i> , 2014 , 112, 116402	7.4	271
222	Probing microcavity polariton superfluidity through resonant Rayleigh scattering. <i>Physical Review Letters</i> , 2004 , 93, 166401	7.4	245
221	Origin of strong photon antibunching in weakly nonlinear photonic molecules. <i>Physical Review A</i> , 2011 , 83,	2.6	223
220	Artificial gauge field for photons in coupled cavity arrays. <i>Physical Review A</i> , 2011 , 84,	2.6	209
219	Fermionized photons in an array of driven dissipative nonlinear cavities. <i>Physical Review Letters</i> , 2009 , 103, 033601	7.4	201
218	Input-output theory of cavities in the ultrastrong coupling regime: The case of time-independent cavity parameters. <i>Physical Review A</i> , 2006 , 74,	2.6	196
217	Quantum vacuum radiation spectra from a semiconductor microcavity with a time-modulated vacuum Rabi frequency. <i>Physical Review Letters</i> , 2007 , 98, 103602	7.4	168
216	Numerical observation of Hawking radiation from acoustic black holes in atomic Bose-Einstein condensates. <i>New Journal of Physics</i> , 2008 , 10, 103001	2.9	166
215	Synthetic dimensions in integrated photonics: From optical isolation to four-dimensional quantum Hall physics. <i>Physical Review A</i> , 2016 , 93,	2.6	164
214	Extracavity quantum vacuum radiation from a single qubit. <i>Physical Review A</i> , 2009 , 80,	2.6	157

213	Polariton quantum blockade in a photonic dot. <i>Physical Review B</i> , 2006 , 73,	3.3	150
212	Confluence of resonant laser excitation and bidirectional quantum-dot nuclear-spin polarization. <i>Nature Physics</i> , 2009 , 5, 758-763	16.2	142
211	Spatial and spectral shape of inhomogeneous nonequilibrium exciton-polariton condensates. <i>Physical Review B</i> , 2008 , 77,	3.3	142
210	Fractional quantum Hall states of photons in an array of dissipative coupled cavities. <i>Physical Review Letters</i> , 2012 , 108, 206809	7.4	138
209	Nonlocal density correlations as a signature of Hawking radiation from acoustic black holes. <i>Physical Review A</i> , 2008 , 78,	2.6	126
208	Four-Dimensional Quantum Hall Effect with Ultracold Atoms. <i>Physical Review Letters</i> , 2015 , 115, 195303	7.4	122
207	All-optical control of the quantum flow of a polariton condensate. <i>Nature Photonics</i> , 2011 , 5, 610-614	33.9	120
206	Bogoliubov-Cerenkov radiation in a Bose-Einstein condensate flowing against an obstacle. <i>Physical Review Letters</i> , 2006 , 97, 260403	7.4	112
205	Signatures of the superfluid-insulator phase transition in laser-driven dissipative nonlinear cavity arrays. <i>Physical Review A</i> , 2010 , 81,	2.6	106
204	Superfluidity and critical velocities in nonequilibrium Bose-Einstein condensates. <i>Physical Review Letters</i> , 2010 , 105, 020602	7.4	103
203	Spin-Orbit Coupling for Photons and Polaritons in Microstructures. <i>Physical Review X</i> , 2015 , 5,	9.1	96
202	Bogoliubov theory of acoustic Hawking radiation in Bose-Einstein condensates. <i>Physical Review A</i> , 2009 , 80,	2.6	92
201	Measuring the one-particle excitations of ultracold fermionic atoms by stimulated Raman spectroscopy. <i>Physical Review Letters</i> , 2007 , 98, 240402	7.4	88
200	Spin-orbit coupling and Berry phase with ultracold atoms in 2D optical lattices. <i>Physical Review Letters</i> , 2004 , 92, 153005	7.4	80
199	Acoustic black hole in a stationary hydrodynamic flow of microcavity polaritons. <i>Physical Review Letters</i> , 2015 , 114, 036402	7.4	79
198	Sensitive measurement of forces at the micron scale using Bloch oscillations of ultracold atoms. <i>Physical Review Letters</i> , 2005 , 95, 093202	7.4	79
197	Coherent dynamics and parametric instabilities of microcavity polaritons in double-well systems. <i>Physical Review B</i> , 2008 , 77,	3.3	77
196	Quantum fluid effects and parametric instabilities in microcavities. <i>Physica Status Solidi (B): Basic Research</i> , 2005 , 242, 2224-2245	1.3	77

195	Experimental measurement of the Berry curvature from anomalous transport. <i>Nature Physics</i> , 2017 , 13, 545-550	16.2	75
194	Spontaneous microcavity-polariton coherence across the parametric threshold: Quantum Monte Carlo studies. <i>Physical Review B</i> , 2005 , 72,	3.3	75
193	Density correlations and analog dynamical Casimir emission of Bogoliubov phonons in modulated atomic Bose-Einstein condensates. <i>European Physical Journal D</i> , 2010 , 56, 391-404	1.3	74
192	Hydrodynamic nucleation of vortices and solitons in a resonantly excited polariton superfluid. <i>Physical Review B</i> , 2011 , 83,	3.3	72
191	Nonlinear atom optics and bright-gap-soliton generation in finite optical lattices. <i>Physical Review A</i> , 2002 , 65,	2.6	72
190	Anomalous and quantum Hall effects in lossy photonic lattices. <i>Physical Review Letters</i> , 2014 , 112, 133902	2.4	64
189	Parametric oscillation threshold of semiconductor microcavities in the strong coupling regime. <i>Physical Review B</i> , 2007 , 75,	3.3	63
188	N-boson time-dependent problem: A reformulation with stochastic wave functions. <i>Physical Review A</i> , 2001 , 63,	2.6	63
187	Quantum fluctuations around black hole horizons in Bose-Einstein condensates. <i>Physical Review A</i> , 2012 , 85,	2.6	60
186	Orbital Edge States in a Photonic Honeycomb Lattice. <i>Physical Review Letters</i> , 2017 , 118, 107403	7.4	53
185	Edge states in polariton honeycomb lattices. <i>2D Materials</i> , 2015 , 2, 034012	5.9	53
184	Goldstone mode of optical parametric oscillators in planar semiconductor microcavities in the strong-coupling regime. <i>Physical Review A</i> , 2007 , 76,	2.6	52
183	Analog Hawking radiation from an acoustic black hole in a flowing polariton superfluid. <i>Physical Review B</i> , 2012 , 86,	3.3	51
182	Dynamic nuclear spin polarization in the resonant laser excitation of an InGaAs quantum dot. <i>Physical Review Letters</i> , 2012 , 108, 197403	7.4	51
181	Measurement of Chern numbers through center-of-mass responses. <i>Physical Review B</i> , 2016 , 93,	3.3	50
180	Experimental characterization of nonlocal photon fluids. <i>Optica</i> , 2015 , 2, 484	8.6	48
179	Absence of long-range coherence in the parametric emission of photonic wires. <i>Physical Review B</i> , 2006 , 74,	3.3	48
178	Photonic materials in circuit quantum electrodynamics. <i>Nature Physics</i> , 2020 , 16, 268-279	16.2	46

177	Phase diagram of incoherently driven strongly correlated photonic lattices. <i>Physical Review A</i> , 2017 , 96,	2.6	46
176	Evaporative cooling of an atomic beam. <i>European Physical Journal D</i> , 2000 , 10, 9-18	1.3	46
175	Two-body physics in the Su-Schrieffer-Heeger model. <i>Physical Review A</i> , 2016 , 94,	2.6	45
174	Nonequilibrium Phase Transition in a Two-Dimensional Driven Open Quantum System. <i>Physical Review X</i> , 2015 , 5,	9.1	42
173	Non-equilibrium quasi-condensates in reduced dimensions. <i>Europhysics Letters</i> , 2013 , 102, 67007	1.6	42
172	Photon transport in a dissipative chain of nonlinear cavities. <i>Physical Review A</i> , 2015 , 91,	2.6	40
171	Floquet topological system based on frequency-modulated classical coupled harmonic oscillators. <i>Physical Review B</i> , 2016 , 93,	3.3	39
170	Quantum Langevin model for nonequilibrium condensation. <i>Physical Review A</i> , 2014 , 90,	2.6	39
169	Acoustic white holes in flowing atomic Bose-Einstein condensates. <i>New Journal of Physics</i> , 2011 , 13, 025007	2.9	39
168	Propagation of a quantum fluid of light in a cavityless nonlinear optical medium: General theory and response to quantum quenches. <i>Physical Review A</i> , 2015 , 92,	2.6	37
167	Feshbach blockade: Single-photon nonlinear optics using resonantly enhanced cavity polariton scattering from biexciton states. <i>Europhysics Letters</i> , 2010 , 90, 37001	1.6	36
166	Back-reaction effects of quantum vacuum in cavity quantum electrodynamics. <i>Physical Review A</i> , 2012 , 85,	2.6	35
165	Imaging of spinor gases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, S115-S125	1.3	35
164	Stabilizing strongly correlated photon fluids with non-Markovian reservoirs. <i>Physical Review A</i> , 2017 , 96,	2.6	34
163	Optical properties of atomic Mott insulators: From slow light to dynamical Casimir effects. <i>Physical Review A</i> , 2008 , 77,	2.6	34
162	Nonlinear atomic Fabry-Perot interferometer: From the mean-field theory to the atom blockade effect. <i>Physical Review A</i> , 2001 , 63,	2.6	34
161	Superfluid light in bulk nonlinear media. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014 , 470, 20140320	2.4	33
160	Modulated optical lattice as an atomic fabry-perot interferometer. <i>Physical Review Letters</i> , 2000 , 84, 399-403	7.4	33

159	Oscillatory vertical coupling between a whispering-gallery resonator and a bus waveguide. <i>Physical Review Letters</i> , 2013 , 110, 163901	7.4	32
158	Dynamical Casimir Effect in optically modulated cavities. <i>Europhysics Letters</i> , 2011 , 96, 24006	1.6	32
157	Radiation induced force between two planar waveguides. <i>European Physical Journal D</i> , 2008 , 46, 157-164.	4.3	32
156	An exact stochastic field method for the interacting Bose gas at thermal equilibrium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001 , 34, 4589-4608	1.3	32
155	Slow group velocity and Cherenkov radiation. <i>Physical Review Letters</i> , 2001 , 87, 064801	7.4	32
154	Phase-Controlled Bistability of a Dark Soliton Train in a Polariton Fluid. <i>Physical Review Letters</i> , 2016 , 117, 217401	7.4	31
153	Spectrum and entanglement of phonons in quantum fluids of light. <i>Physical Review A</i> , 2014 , 89,	2.6	31
152	Coherence properties of a continuous atom laser. <i>Journal of Modern Optics</i> , 2000 , 47, 2671-2695	1.1	31
151	Role of geometry in the superfluid flow of nonlocal photon fluids. <i>Physical Review A</i> , 2016 , 94,	2.6	31
150	Dynamical Critical Exponents in Driven-Dissipative Quantum Systems. <i>Physical Review Letters</i> , 2018 , 121, 095302	7.4	30
149	Observation of long-lived polariton states in semiconductor microcavities across the parametric threshold. <i>Physical Review Letters</i> , 2009 , 102, 056402	7.4	30
148	Pair correlations of an expanding superfluid Fermi gas. <i>Physical Review Letters</i> , 2006 , 97, 100405	7.4	29
147	Condensate statistics in one-dimensional interacting Bose gases: exact results. <i>Physical Review Letters</i> , 2003 , 90, 030401	7.4	29
146	Synthetic Dimensions with Magnetic Fields and Local Interactions in Photonic Lattices. <i>Physical Review Letters</i> , 2017 , 118, 013601	7.4	28
145	Quantum mechanics with a momentum-space artificial magnetic field. <i>Physical Review Letters</i> , 2014 , 113, 190403	7.4	28
144	Photon energy lifter. <i>Optics Express</i> , 2006 , 14, 7270-8	3.3	28
143	Spontaneous quantum emission from analog white holes in a nonlinear optical medium. <i>Physical Review A</i> , 2014 , 89,	2.6	27
142	Quantum vacuum emission in a nonlinear optical medium illuminated by a strong laser pulse. <i>Physical Review A</i> , 2013 , 87,	2.6	27

141	Entangled phonons in atomic Bose-Einstein condensates. <i>Physical Review A</i> , 2014 , 90,	2.6	26
140	Atom interferometric detection of the pairing order parameter in a Fermi gas. <i>Physical Review Letters</i> , 2005 , 94, 223202	7.4	26
139	Towards strongly correlated photons in arrays of dissipative nonlinear cavities under a frequency-dependent incoherent pumping. <i>Comptes Rendus Physique</i> , 2016 , 17, 836-860	1.4	26
138	Transverse Fresnel-Fizeau drag effects in strongly dispersive media. <i>Physical Review A</i> , 2003 , 68,	2.6	24
137	Resonant second harmonic generation in ZnSe bulk microcavity. <i>Applied Physics Letters</i> , 1999 , 74, 1945-1947	3.4	24
136	Casimir Forces and Quantum Friction from Ginzburg Radiation in Atomic Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2017 , 118, 045301	7.4	23
135	One-dimensional description of a Bose-Einstein condensate in a rotating closed-loop waveguide. <i>New Journal of Physics</i> , 2006 , 8, 162-162	2.9	23
134	Semiclassical field method for the equilibrium Bose gas and application to thermal vortices in two dimensions. <i>Physical Review A</i> , 2007 , 76,	2.6	22
133	Many-body braiding phases in a rotating strongly correlated photon gas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013 , 377, 2074-2078	2.3	21
132	Imaging of critical correlations in optical lattices and atomic traps. <i>Physical Review A</i> , 2006 , 73,	2.6	21
131	Numerical study of a recent black-hole lasing experiment. <i>Europhysics Letters</i> , 2016 , 114, 60011	1.6	21
130	Unstable and stable regimes of polariton condensation. <i>Optica</i> , 2018 , 5, 1163	8.6	21
129	Two-photon Rabi splitting and optical Stark effect in semiconductor microcavities. <i>Physical Review B</i> , 1999 , 60, 4907-4919	3.3	20
128	Topological two-body bound states in the interacting Haldane model. <i>Physical Review A</i> , 2018 , 97,	2.6	19
127	Probing quasiparticle states in strongly interacting atomic gases by momentum-resolved Raman photoemission spectroscopy. <i>Physical Review A</i> , 2009 , 80,	2.6	19
126	Bragg scattering and the spin structure factor of two-component atomic gases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, S211-S219	1.3	19
125	Intermode reactive coupling induced by waveguide-resonator interaction. <i>Physical Review A</i> , 2014 , 90,	2.6	18
124	Probing the excitation spectrum of polariton condensates. <i>Physical Review B</i> , 2009 , 79,	3.3	18

123	The Cerenkov Effect Revisited: From Swimming Ducks to Zero Modes in Gravitational Analogues. <i>Lecture Notes in Physics</i> , 2013 , 109-144	0.8	18
122	Dispersion relation of the collective excitations in a resonantly driven polariton fluid. <i>Nature Communications</i> , 2019 , 10, 3869	17.4	17
121	Frequency shift in saturation spectroscopy induced by mechanical effects of light. <i>Physical Review A</i> , 1999 , 60, 4164-4167	2.6	17
120	Time-of-Flight Measurements as a Possible Method to Observe Anyonic Statistics. <i>Physical Review Letters</i> , 2018 , 120, 230403	7.4	16
119	Quantum Monte Carlo study of ring-shaped polariton parametric luminescence in a semiconductor microcavity. <i>Physical Review B</i> , 2007 , 76,	3.3	16
118	In situ velocity imaging of ultracold atoms using slow light. <i>Physical Review A</i> , 2003 , 67,	2.6	16
117	Optomechanical signature of a frictionless flow of superfluid light. <i>Physical Review A</i> , 2015 , 91,	2.6	15
116	Exciton-polariton Bose-Einstein condensation: advances and issues. <i>International Journal of Nanotechnology</i> , 2010 , 7, 668	1.5	15
115	Theory of chiral edge state lasing in a two-dimensional topological system. <i>Physical Review Research</i> , 2019 , 1,	3.9	15
114	Thermalization and Bose-Einstein condensation of quantum light in bulk nonlinear media. <i>Europhysics Letters</i> , 2016 , 115, 24002	1.6	14
113	Two-body bound and edge states in the extended SSH Bose-Hubbard model. <i>European Physical Journal: Special Topics</i> , 2017 , 226, 2751-2762	2.3	13
112	Strong coupling of ionizing transitions. <i>Optica</i> , 2019 , 6, 354	8.6	13
111	Quantum well infrared photo-detectors operating in the strong light-matter coupling regime. <i>Applied Physics Letters</i> , 2019 , 114, 131104	3.4	13
110	How to directly observe Landau levels in driven-dissipative strained honeycomb lattices. <i>2D Materials</i> , 2015 , 2, 034015	5.9	13
109	Klein tunneling in driven-dissipative photonic graphene. <i>Physical Review A</i> , 2017 , 96,	2.6	13
108	Fresnel light drag in a coherently driven moving medium. <i>Physical Review Letters</i> , 2001 , 86, 2549-52	7.4	13
107	Probing few-particle Laughlin states of photons via correlation measurements. <i>Physical Review A</i> , 2014 , 89,	2.6	12
106	Generation and spectroscopic signatures of a fractional quantum Hall liquid of photons in an incoherently pumped optical cavity. <i>Physical Review A</i> , 2017 , 96,	2.6	12

105	Immunity of intersubband polaritons to inhomogeneous broadening. <i>Physical Review B</i> , 2017 , 96,	3.3	12
104	Anomalous ring-down effects and breakdown of the decay rate concept in optical cavities with negative group delay. <i>New Journal of Physics</i> , 2012 , 14, 043012	2.9	12
103	Direct observation of photonic Landau levels and helical edge states in strained honeycomb lattices. <i>Light: Science and Applications</i> , 2020 , 9, 144	16.7	12
102	Time-dependent study of a black-hole laser in a flowing atomic condensate. <i>Physical Review A</i> , 2016 , 94,	2.6	12
101	Prethermalization to thermalization crossover in a dilute Bose gas following an interaction ramp. <i>Physical Review A</i> , 2018 , 98,	2.6	12
100	Berry curvature effects in the Bloch oscillations of a quantum particle under a strong (synthetic) magnetic field. <i>Europhysics Letters</i> , 2013 , 103, 10001	1.6	11
99	Kinematic study of the effect of dispersion in quantum vacuum emission from strong laser pulses. <i>European Physical Journal Plus</i> , 2012 , 127, 1	3.1	11
98	Tunable light-drag effects in Cu ₂ O. <i>Physical Review B</i> , 2002 , 65,	3.3	11
97	Light-force-induced fluorescence line-center shifts in high-precision optical spectroscopy: Simple model and experiment. <i>Physical Review A</i> , 2000 , 62,	2.6	11
96	Simulation of two-boson bound states using arrays of driven-dissipative coupled linear optical resonators. <i>Physical Review A</i> , 2018 , 98,	2.6	11
95	Spin-orbit coupling in a hexagonal ring of pendula. <i>New Journal of Physics</i> , 2017 , 19, 055001	2.9	10
94	Prethermalization in a quenched one-dimensional quantum fluid of light. <i>European Physical Journal D</i> , 2016 , 70, 1	1.3	10
93	Propagating edge states in strained honeycomb lattices. <i>Physical Review B</i> , 2017 , 95,	3.3	10
92	Momentum-space Harper-Hofstadter model. <i>Physical Review A</i> , 2015 , 92,	2.6	10
91	Light propagation in atomic Mott Insulators. <i>Journal of the European Optical Society-Rapid Publications</i> , 2008 , 3,	2.5	10
90	Kibble-Zurek Mechanism in Driven Dissipative Systems Crossing a Nonequilibrium Phase Transition. <i>Physical Review Letters</i> , 2020 , 125, 095301	7.4	10
89	Excitons bound by photon exchange. <i>Nature Physics</i> , 2021 , 17, 31-35	16.2	10
88	Resonant intersubband polariton-LO phonon scattering in an optically pumped polaritonic device. <i>Applied Physics Letters</i> , 2018 , 112, 191106	3.4	10

87	Algebraic geometry tools for the study of entanglement: an application to spin squeezed states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012 , 45, 105304	2	9
86	An exact reformulation of the Bose-Hubbard model in terms of a stochastic Gutzwiller ansatz. <i>New Journal of Physics</i> , 2003 , 5, 91-91	2.9	9
85	Superfluidity of the 1D Bose gas. <i>Comptes Rendus Physique</i> , 2004 , 5, 107-127	1.4	9
84	Hard-wall confinement of a fractional quantum Hall liquid. <i>Physical Review A</i> , 2017 , 96,	2.6	8
83	Complete crossing of Fano resonances in an optical microcavity via nonlinear tuning. <i>Photonics Research</i> , 2017 , 5, 168	6	8
82	Multicomponent polariton superfluidity in the optical parametric oscillator regime. <i>Physical Review B</i> , 2015 , 92,	3.3	8
81	Comment on "Linear Wave Dynamics Explains Observations Attributed to Dark Solitons in a Polariton Quantum Fluid". <i>Physical Review Letters</i> , 2015 , 115, 089401	7.4	8
80	Dynamical decoupling and dynamical isolation in temporally modulated coupled pendulums. <i>Europhysics Letters</i> , 2014 , 106, 24002	1.6	8
79	TESTING HAWKING PARTICLE CREATION BY BLACK HOLES THROUGH CORRELATION MEASUREMENTS. <i>International Journal of Modern Physics D</i> , 2010 , 19, 2371-2377	2.2	8
78	Excitations and superfluidity in non-equilibrium Bose-Einstein condensates of exciton-polaritons. <i>Superlattices and Microstructures</i> , 2008 , 43, 524-527	2.8	8
77	Dipole polarizability of a trapped superfluid Fermi gas. <i>Physical Review Letters</i> , 2006 , 97, 190403	7.4	8
76	Coherence and correlation properties of a one-dimensional attractive Fermi gas. <i>Optics Communications</i> , 2004 , 243, 81-106	2	8
75	Unidirectional reflection from an integrated Brillouin microresonator. <i>Photonics Research</i> , 2020 , 8, 1333	6	8
74	Fusion Channels of Non-Abelian Anyons from Angular-Momentum and Density-Profile Measurements. <i>Physical Review Letters</i> , 2019 , 123, 266801	7.4	8
73	Pump-and-probe optical transmission phase shift as a quantitative probe of the Bogoliubov dispersion relation in a nonlinear channel waveguide. <i>European Physical Journal D</i> , 2017 , 71, 1	1.3	7
72	Mechanical backreaction effect of the dynamical Casimir emission. <i>Physical Review A</i> , 2019 , 99,	2.6	7
71	Pseudothermalization in driven-dissipative non-Markovian open quantum systems. <i>Physical Review A</i> , 2018 , 97,	2.6	7
70	Spontaneous Beliaev-Landau scattering out of equilibrium. <i>Physical Review A</i> , 2017 , 96,	2.6	7

69	Charge and statistics of lattice quasiholes from density measurements: A tree tensor network study. <i>Physical Review Research</i> , 2020 , 2,	3.9	7
68	Interferences between Bogoliubov excitations in superfluids of light. <i>Physical Review Research</i> , 2020 , 2,	3.9	7
67	Theory of the Coherence of Topological Lasers. <i>Physical Review X</i> , 2020 , 10,	9.1	7
66	Quantum Hall effect in momentum space. <i>Physical Review B</i> , 2016 , 93,	3.3	6
65	Momentum-space Landau levels in driven-dissipative cavity arrays. <i>Physical Review A</i> , 2016 , 93,	2.6	6
64	Theoretical study of stimulated and spontaneous Hawking effects from an acoustic black hole in a hydrodynamically flowing fluid of light. <i>Physical Review B</i> , 2016 , 94,	3.3	6
63	Coherence properties of a continuous atom laser		6
62	Hanbury Brown and Twiss Bunching of Phonons and of the Quantum Depletion in an Interacting Bose Gas. <i>Physical Review Letters</i> , 2020 , 125, 165301	7.4	6
61	Nonequilibrium and local detection of the normal fraction of a trapped two-dimensional Bose gas. <i>Physical Review A</i> , 2011 , 84,	2.6	5
60	Optical Response of Linear and Nonlinear Photonic Superlattices near the First Photonic Band Gap. <i>Physica Status Solidi A</i> , 1997 , 164, 377-381		5
59	Atom-laser coherence length and atomic standing waves. <i>Physical Review A</i> , 2000 , 62,	2.6	5
58	Understanding Hawking Radiation from Simple Models of Atomic Bose-Einstein Condensates. <i>Lecture Notes in Physics</i> , 2013 , 181-219	0.8	5
57	Light-Matter Interactions in Synthetic Magnetic Fields: Landau-Photon Polaritons. <i>Physical Review Letters</i> , 2021 , 126, 103603	7.4	5
56	Wavelength Dependence of a Vertically Coupled Resonator-Waveguide System. <i>Journal of Lightwave Technology</i> , 2016 , 34, 5385-5390	4	5
55	Particle-Hole Character of the Higgs and Goldstone Modes in Strongly Interacting Lattice Bosons. <i>Physical Review Letters</i> , 2018 , 120, 073201	7.4	4
54	Nonlinear Polariton Localization in Strongly Coupled Driven-Dissipative Microcavities. <i>ACS Photonics</i> , 2018 , 5, 95-99	6.3	4
53	Ring-shaped fractional quantum Hall liquids with hard-wall potentials. <i>Physical Review A</i> , 2018 , 98,	2.6	4
52	Black-hole lasing in coherently coupled two-component atomic condensates. <i>Physical Review A</i> , 2017 , 96,	2.6	4

51	Near-field intensity correlations in parametric photoluminescence from a planar microcavity. <i>Physical Review B</i> , 2010 , 81,	3.3	4
50	Seeking Supersolidity in Helium Layers. <i>Physics Magazine</i> , 2010 , 3,	1.1	4
49	Nonlinear optics of coupled semiconductor microcavities. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 243, 236-242	2.3	4
48	On the ultrastrong vacuum Rabi coupling of an intersubband transition in a semiconductor microcavity). <i>Journal of Applied Physics</i> , 2007 , 101, 081709	2.5	4
47	Vavilov-Cherenkov effect in a driven resonant medium. <i>Physical Review E</i> , 2003 , 67, 046609	2.4	4
46	Atomic recoil effects in slow light propagation. <i>JETP Letters</i> , 2000 , 72, 289-293	1.2	4
45	Ergoregion instabilities in rotating two-dimensional Bose-Einstein condensates: Perspectives on the stability of quantized vortices. <i>Physical Review Research</i> , 2020 , 2,	3.9	4
44	Quantum fluctuations of the friction force induced by the dynamical Casimir emission. <i>Europhysics Letters</i> , 2019 , 128, 24002	1.6	4
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