

Cristiano Ciuti

List of Publications by Year in descending order

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181
papers

13,941
citations

23567

58
h-index

19749

117
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184
all docs

184
docs citations

184
times ranked

5464
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum fluids of light. <i>Reviews of Modern Physics</i> , 2013, 85, 299-366.	45.6	1,516
2	Superfluidity of polaritons in semiconductor microcavities. <i>Nature Physics</i> , 2009, 5, 805-810.	16.7	795
3	Quantum vacuum properties of the intersubband cavity polariton field. <i>Physical Review B</i> , 2005, 72, .	3.2	528
4	Sub-cycle switch-on of ultrastrong light-matter interaction. <i>Nature</i> , 2009, 458, 178-181.	27.8	498
5	Ultrastrong Coupling of the Cyclotron Transition of a 2D Electron Gas to a THz Metamaterial. <i>Science</i> , 2012, 335, 1323-1326.	12.6	452
6	Polariton Superfluids Reveal Quantum Hydrodynamic Solitons. <i>Science</i> , 2011, 332, 1167-1170.	12.6	379
7	Ultrastrong Light-Matter Coupling Regime with Polariton Dots. <i>Physical Review Letters</i> , 2010, 105, 196402.	7.8	358
8	Role of the exchange of carriers in elastic exciton-exciton scattering in quantum wells. <i>Physical Review B</i> , 1998, 58, 7926-7933.	3.2	357
9	High-temperature ultrafast polariton parametric amplification in semiconductor microcavities. <i>Nature</i> , 2001, 414, 731-735.	27.8	355
10	Theory of the angle-resonant polariton amplifier. <i>Physical Review B</i> , 2000, 62, R4825-R4828.	3.2	306
11	Origin of strong photon antibunching in weakly nonlinear photonic molecules. <i>Physical Review A</i> , 2011, 83, .	2.5	299
12	Probing Microcavity Polariton Superfluidity through Resonant Rayleigh Scattering. <i>Physical Review Letters</i> , 2004, 93, 166401.	7.8	276
13	Manipulating matter by strong coupling to vacuum fields. <i>Science</i> , 2021, 373, .	12.6	276
14	Signatures of the ultrastrong light-matter coupling regime. <i>Physical Review B</i> , 2009, 79, .	3.2	268
15	No-go theorem for superradiant quantum phase transitions in cavity QED and counter-example in circuit QED. <i>Nature Communications</i> , 2010, 1, 72.	12.8	250
16	Input-output theory of cavities in the ultrastrong coupling regime: The case of time-independent cavity parameters. <i>Physical Review A</i> , 2006, 74, .	2.5	235
17	Fermionized Photons in an Array of Driven Dissipative Nonlinear Cavities. <i>Physical Review Letters</i> , 2009, 103, 033601.	7.8	216
18	Quantum Vacuum Radiation Spectra from a Semiconductor Microcavity with a Time-Modulated Vacuum Rabi Frequency. <i>Physical Review Letters</i> , 2007, 98, 103602.	7.8	205

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19	Spectral theory of Liouvillians for dissipative phase transitions. <i>Physical Review A</i> , 2018, 98, .	2.5	199
20	Parametric luminescence of microcavity polaritons. <i>Physical Review B</i> , 2001, 63, .	3.2	185
21	Polariton quantum blockade in a photonic dot. <i>Physical Review B</i> , 2006, 73, .	3.2	178
22	Theory of polariton parametric interactions in semiconductor microcavities. <i>Semiconductor Science and Technology</i> , 2003, 18, S279-S293.	2.0	175
23	Extracavity quantum vacuum radiation from a single qubit. <i>Physical Review A</i> , 2009, 80, .	2.5	174
24	Spatial and spectral shape of inhomogeneous nonequilibrium exciton-polariton condensates. <i>Physical Review B</i> , 2008, 77, .	3.2	166
25	Polariton dynamics and Bose-Einstein condensation in semiconductor microcavities. <i>Physical Review B</i> , 2002, 66, .	3.2	162
26	All-optical control of the quantum flow of a polariton condensate. <i>Nature Photonics</i> , 2011, 5, 610-614.	31.4	143
27	Probing a Dissipative Phase Transition via Dynamical Optical Hysteresis. <i>Physical Review Letters</i> , 2017, 118, 247402.	7.8	142
28	Steady-State Phases and Tunneling-Induced Instabilities in the Driven Dissipative Bose-Hubbard Model. <i>Physical Review Letters</i> , 2013, 110, 233601.	7.8	140
29	Variational Neural-Network Ansatz for Steady States in Open Quantum Systems. <i>Physical Review Letters</i> , 2019, 122, 250503.	7.8	135
30	Parametric oscillation in vertical triple microcavities. <i>Nature</i> , 2006, 440, 904-907.	27.8	134
31	Single-Polariton Optomechanics. <i>Physical Review Letters</i> , 2014, 112, 013601.	7.8	123
32	Critical dynamical properties of a first-order dissipative phase transition. <i>Physical Review A</i> , 2017, 95, .	2.5	116
33	Off-branch polaritons and multiple scattering in semiconductor microcavities. <i>Physical Review B</i> , 2001, 64, .	3.2	115
34	Magneto-transport controlled by Landau polariton states. <i>Nature Physics</i> , 2019, 15, 186-190.	16.7	115
35	Excitonic Bloch equations for a two-dimensional system of interacting excitons. <i>Physical Review B</i> , 2000, 61, 13856-13862.	3.2	113
36	Ultrastrong coupling between a cavity resonator and the cyclotron transition of a two-dimensional electron gas in the case of an integer filling factor. <i>Physical Review B</i> , 2010, 81, .	3.2	113

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37	Exact steady state of a Kerr resonator with one- and two-photon driving and dissipation: Controllable Wigner-function multimodality and dissipative phase transitions. <i>Physical Review A</i> , 2016, 94, .	2.5	110
38	Vacuum Degeneracy of a Circuit QED System in the Ultrastrong Coupling Regime. <i>Physical Review Letters</i> , 2010, 104, 023601.	7.8	105
39	Protected Quantum Computation with Multiple Resonators in Ultrastrong Coupling Circuit QED. <i>Physical Review Letters</i> , 2011, 107, 190402.	7.8	101
40	Quantum fluid effects and parametric instabilities in microcavities. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, 2224-2245.	1.5	95
41	Branch-entangled polariton pairs in planar microcavities and photonic wires. <i>Physical Review B</i> , 2004, 69, .	3.2	92
42	Light engineering of the polariton landscape in semiconductor microcavities. <i>Physical Review B</i> , 2010, 82, .	3.2	92
43	Spontaneous microcavity-polariton coherence across the parametric threshold: Quantum Monte Carlo studies. <i>Physical Review B</i> , 2005, 72, .	3.2	88
44	Controlling Discrete and Continuous Symmetries in "Superradiant" Phase Transitions with Circuit QED Systems. <i>Physical Review Letters</i> , 2014, 112, 173601.	7.8	84
45	Stimulated Scattering and Lasing of Intersubband Cavity Polaritons. <i>Physical Review Letters</i> , 2009, 102, 136403.	7.8	83
46	Corner-Space Renormalization Method for Driven-Dissipative Two-Dimensional Correlated Systems. <i>Physical Review Letters</i> , 2015, 115, 080604.	7.8	79
47	Hydrodynamic nucleation of vortices and solitons in a resonantly excited polariton superfluid. <i>Physical Review B</i> , 2011, 83, .	3.2	78
48	Quantum Critical Regime in a Quadratically Driven Nonlinear Photonic Lattice. <i>Physical Review Letters</i> , 2019, 122, 110405.	7.8	77
49	Light-Mediated Cascaded Locking of Multiple Nano-Optomechanical Oscillators. <i>Physical Review Letters</i> , 2017, 118, 063605.	7.8	74
50	Power laws in the dynamic hysteresis of quantum nonlinear photonic resonators. <i>Physical Review A</i> , 2016, 93, .	2.5	73
51	Spin Polarization of Semiconductor Carriers by Reflection off a Ferromagnet. <i>Physical Review Letters</i> , 2002, 89, 156601.	7.8	71
52	Electrically Injected Cavity Polaritons. <i>Physical Review Letters</i> , 2008, 100, 136806.	7.8	71
53	Polariton-generated intensity squeezing in semiconductor micropillars. <i>Nature Communications</i> , 2014, 5, 3260.	12.8	71
54	Exact results for Schrödinger cats in driven-dissipative systems and their feedback control. <i>Scientific Reports</i> , 2016, 6, 26987.	3.3	68

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55	Critical slowing down in driven-dissipative Bose-Hubbard lattices. <i>Physical Review A</i> , 2018, 97, .	2.5	68
56	Statistics of polaritons in the nonlinear regime. <i>Physical Review B</i> , 2003, 68, .	3.2	64
57	Critical behavior of dissipative two-dimensional spin lattices. <i>Physical Review B</i> , 2017, 95, .	3.2	61
58	Quantum entanglement in the spatial-symmetry-breaking phase transition of a driven-dissipative Bose-Hubbard dimer. <i>Physical Review A</i> , 2017, 95, .	2.5	59
59	Classical and quantum theory of photothermal cavity cooling of a mechanical oscillator. <i>Comptes Rendus Physique</i> , 2011, 12, 860-870.	0.9	58
60	Superradiant phase transition in the ultrastrong-coupling regime of the two-photon Dicke model. <i>Physical Review A</i> , 2017, 95, .	2.5	58
61	Breakdown of topological protection by cavity vacuum fields in the integer quantum Hall effect. <i>Science</i> , 2022, 375, 1030-1034.	12.6	57
62	Bose-Hubbard model: Relation between driven-dissipative steady states and equilibrium quantum phases. <i>Physical Review A</i> , 2014, 90, .	2.5	56
63	Conductivity and Photoconductivity of a p-Type Organic Semiconductor under Ultrastrong Coupling. <i>ACS Nano</i> , 2020, 14, 10219-10225.	14.6	56
64	Phase diagram of incoherently driven strongly correlated photonic lattices. <i>Physical Review A</i> , 2017, 96, .	2.5	55
65	Quantum cascade intersubband polariton light emitters. <i>Semiconductor Science and Technology</i> , 2005, 20, 985-990.	2.0	54
66	Polarization inversion via parametric scattering in quasi-one-dimensional microcavities. <i>Physical Review B</i> , 2005, 71, .	3.2	50
67	Fully coupled hybrid cavity optomechanics: Quantum interferences and correlations. <i>Physical Review A</i> , 2017, 95, .	2.5	49
68	Ancillary Qubit Spectroscopy of Vacua in Cavity and Circuit Quantum Electrodynamics. <i>Physical Review Letters</i> , 2015, 114, 183601.	7.8	48
69	Terahertz lasing from intersubband polariton-polariton scattering in asymmetric quantum wells. <i>Physical Review B</i> , 2013, 87, .	3.2	47
70	Stabilizing strongly correlated photon fluids with non-Markovian reservoirs. <i>Physical Review A</i> , 2017, 96, .	2.5	47
71	Cavity QED of the Graphene Cyclotron Transition. <i>Physical Review Letters</i> , 2012, 109, 267403.	7.8	46
72	Suppression of Exciton-Polariton Light Absorption in Multiple Quantum Well Bragg Structures. <i>Physical Review Letters</i> , 1999, 83, 2837-2840.	7.8	45

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73	Spin-dependent properties of a two-dimensional electron gas with ferromagnetic gates. Applied Physics Letters, 2002, 81, 4781-4783.	3.3	44
74	Coherent Control of Polariton Parametric Scattering in Semiconductor Microcavities. Physical Review Letters, 2003, 91, 107402.	7.8	44
75	Threshold behavior in the collision broadening of microcavity polaritons. Physical Review B, 1998, 58, R10123-R10126.	3.2	42
76	Crossover from Exciton to Biexciton Polaritons in Semiconductor Microcavities. Physical Review Letters, 2000, 85, 385-388.	7.8	42
77	Back-reaction effects of quantum vacuum in cavity quantum electrodynamics. Physical Review A, 2012, 85, .	2.5	40
78	Phase diagram of the dissipative quantum Ising model on a square lattice. Physical Review B, 2018, 98, .	3.2	40
79	Nonlinear Polariton Fluids in a Flatband Reveal Discrete Gap Solitons. Physical Review Letters, 2019, 123, 113901.	7.8	39
80	Counter-polarized single-photon generation from the auxiliary cavity of a weakly nonlinear photonic molecule. Applied Physics Letters, 2011, 99, 171111.	3.3	37
81	Linked cluster expansions for open quantum systems on a lattice. Physical Review B, 2018, 97, .	3.2	37
82	Optical properties of atomic Mott insulators: From slow light to dynamical Casimir effects. Physical Review A, 2008, 77, .	2.5	36
83	Quantum theory of electron tunneling into intersubband cavity polariton states. Physical Review B, 2009, 79, .	3.2	35
84	Dynamical properties of dissipative XYZ Heisenberg lattices. New Journal of Physics, 2018, 20, 045003.	2.9	35
85	Vacuum-dressed cavity magnetotransport of a two-dimensional electron gas. Physical Review B, 2018, 98, .	3.2	34
86	Superradiant phase transitions with three-level systems. Physical Review A, 2013, 87, .	2.5	33
87	Non-adiabatic stripping of a cavity field from electrons in the deep-strong coupling regime. Nature Photonics, 2020, 14, 675-679.	31.4	33
88	Photovoltaic probe of cavity polaritons in a quantum cascade structure. Applied Physics Letters, 2007, 90, 201101.	3.3	32
89	Comment on "Superradiant Phase Transitions and the Standard Description of Circuit QED": Physical Review Letters, 2012, 109, 179301.	7.8	32
90	Interaction-shaped vortex-antivortex lattices in polariton fluids. Physical Review B, 2014, 89, .	3.2	32

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91	Quantum model of microcavity intersubband electroluminescent devices. <i>Physical Review B</i> , 2008, 77, .	3.2	31
92	Ultrastrong light-matter coupling at terahertz frequencies with split ring resonators and inter-Landau level transitions. <i>Journal of Applied Physics</i> , 2013, 113, 136510.	2.5	29
93	Homodyne versus photon-counting quantum trajectories for dissipative Kerr resonators with two-photon driving. <i>European Physical Journal: Special Topics</i> , 2017, 226, 2705-2713.	2.6	28
94	Cavity-mediated electron hopping in disordered quantum Hall systems. <i>Physical Review B</i> , 2021, 104, .	3.2	26
95	Direct observation of the excitonic ac Stark splitting in a quantum well. <i>Physical Review B</i> , 2000, 62, R16322-R16325.	3.2	25
96	Cavity polaritons from excited-subband transitions. <i>Applied Physics Letters</i> , 2007, 91, 231118.	3.3	25
97	Polariton parametric oscillation in a single micropillar cavity. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	23
98	Quantum theory of intersubband polarons. <i>Physical Review B</i> , 2012, 85, .	3.2	23
99	Probing photon correlations in the dark sites of geometrically frustrated cavity lattices. <i>Physical Review A</i> , 2016, 93, .	2.5	23
100	Tailored Subcycle Nonlinearities of Ultrastrong Light-Matter Coupling. <i>Physical Review Letters</i> , 2021, 126, 177404.	7.8	21
101	Strong coherent gain from semiconductor microcavities in the regime of excitonic saturation. <i>Physical Review B</i> , 1999, 59, R15594-R15597.	3.2	20
102	Quantum Monte Carlo study of ring-shaped polariton parametric luminescence in a semiconductor microcavity. <i>Physical Review B</i> , 2007, 76, .	3.2	17
103	Truncated correlation hierarchy schemes for driven-dissipative multimode quantum systems. <i>New Journal of Physics</i> , 2016, 18, 093007.	2.9	17
104	Strongly Driven Exciton Resonances in Quantum Wells: Light-Induced Dressing versus Coulomb Scattering. <i>Physical Review Letters</i> , 2000, 84, 1752-1755.	7.8	15
105	Resilience of the quantum Rabi model in circuit QED. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 294001.	2.1	15
106	Quantum Phases of a Multimode Bosonic Field Coupled to Flat Electronic Bands. <i>Physical Review Letters</i> , 2013, 110, 133603.	7.8	14
107	Theory of spin transport induced by ferromagnetic proximity on a two-dimensional electron gas. <i>Physical Review B</i> , 2004, 69, .	3.2	13
108	Merging of vortices and antivortices in polariton superfluids. <i>Physical Review B</i> , 2014, 90, .	3.2	12

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109	Optimal stochastic unraveling of disordered open quantum systems: Application to driven-dissipative photonic lattices. <i>Physical Review A</i> , 2019, 99, .	2.5	11
110	Double symmetry breaking and two-dimensional quantum phase diagram in spin-boson systems. <i>Physical Review A</i> , 2012, 86, .	2.5	10
111	Effective polariton-polariton interactions of cavity-embedded two-dimensional electron gases. <i>Physical Review B</i> , 2013, 87, .	3.2	10
112	Dark vertical conductance of cavity-embedded semiconductor heterostructures. <i>New Journal of Physics</i> , 2019, 21, 093061.	2.9	10
113	Quantum Squeezing Generation versus Photon Localization in a Disordered Planar Microcavity. <i>Physical Review Letters</i> , 2010, 104, 213604.	7.8	9
114	Switching ultrastrong light-matter coupling on a subcycle scale. <i>Journal of Applied Physics</i> , 2011, 109, 102418.	2.5	9
115	Photonic Kernel Machine Learning for Ultrafast Spectral Analysis. <i>Physical Review Applied</i> , 2022, 17, .	3.8	9
116	Theory of the excitonic Mollow spectrum in semiconductors. <i>Solid State Communications</i> , 1998, 107, 715-718.	1.9	8
117	Comment on "Linear Wave Dynamics Explains Observations Attributed to Dark Solitons in a Polariton Quantum Fluid". <i>Physical Review Letters</i> , 2015, 115, 089401.	7.8	8
118	Output squeezed radiation from dispersive ultrastrong light-matter coupling. <i>Physical Review A</i> , 2016, 94, .	2.5	8
119	Permanent Directional Heat Currents in Lattices of Optomechanical Resonators. <i>Physical Review Letters</i> , 2020, 124, 083601.	7.8	7
120	Direct observation of an ac Stark splitting in semiconductor microcavities excited above the continuum onset. <i>Physical Review B</i> , 2000, 61, R5113-R5116.	3.2	6
121	Towards a Room Temperature Polariton Amplifier. <i>Physica Status Solidi A</i> , 2002, 190, 315-319.	1.7	5
122	Silicon inversion layer with a ferromagnetic gate: A novel spin source (invited). <i>Journal of Applied Physics</i> , 2004, 95, 6625-6629.	2.5	5
123	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	5
124	On the robustness of strongly correlated multi-photon states in frustrated driven-dissipative cavity lattices. <i>European Physical Journal: Special Topics</i> , 2017, 226, 2805-2814.	2.6	5
125	Dissipation-induced antiferromagneticlike frustration in coupled photonic resonators. <i>Physical Review A</i> , 2021, 103, .	2.5	5
126	Optical Nonlinearities of Hybrid Direct-Indirect Wannier Excitons in Polytype Double Quantum Well Structures. <i>Physica Status Solidi A</i> , 1997, 164, 387-391.	1.7	4

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127	Temporal Coherent Control in Semiconductor Quantum Structures. <i>Physica Status Solidi A</i> , 2000, 178, 373-379.	1.7	4
128	Towards a room-temperature polariton amplifier. <i>Semiconductor Science and Technology</i> , 2003, 18, S325-S330.	2.0	4
129	Excitonic resonant self-electro-optic-device configuration in polytype double-quantum-well structures. <i>Physical Review B</i> , 1998, 58, 4599-4604.	3.2	3
130	Intrinsic non-linearities in exciton-cavity-coupled systems. <i>Physica B: Condensed Matter</i> , 1999, 272, 472-475.	2.7	3
131	Giant Angle-Resonant Polariton Amplification. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 221, 111-114.	1.5	3
132	Polariton parametric amplification in semiconductor microcavities. <i>Journal of Modern Optics</i> , 2002, 49, 2437-2458.	1.3	3
133	Parametric Matter in Semiconductor Microcavities. <i>Physica Status Solidi A</i> , 2002, 190, 305-313.	1.7	3
134	Polariton amplification in semiconductor microcavities. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 238, 432-438.	1.5	3
135	Coherence properties of polaritons in semiconductor microcavities. <i>Physica Status Solidi A</i> , 2004, 201, 381-388.	1.7	3
136	Statistics of polaritons in microcavities. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 470-474.	0.8	3
137	Screening by composite charged particles: the case of quantum well trions. <i>Solid State Communications</i> , 2005, 133, 537-541.	1.9	3
138	Statistical flickers in a Bose-Einstein Condensate of Photons. <i>Physics Magazine</i> , 2014, 7, .	0.1	3
139	Continuous-time dynamics and error scaling of noisy highly entangling quantum circuits. <i>Physical Review A</i> , 2021, 104, .	2.5	3
140	Dissipative Phase Transition with Driving-Controlled Spatial Dimension and Diffusive Boundary Conditions. <i>Physical Review Letters</i> , 2022, 128, 093601.	7.8	3
141	Suppression of excitonâ€™ polariton light absorption in multiple quantum well Bragg structures. <i>Physica B: Condensed Matter</i> , 1999, 272, 488-490.	2.7	2
142	Is Light Absorption by Excitons in Quantum Wells an Intrinsic Process?. <i>Physica Status Solidi A</i> , 2000, 178, 79-82.	1.7	2
143	Polarization selective polariton oscillation in quasi-onedimensional microcavities. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 779-782.	0.8	2
144	Optical parametric oscillation in a vertical triple microcavity. <i>Superlattices and Microstructures</i> , 2007, 41, 301-307.	3.1	2

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145	Many-body Physics of a Quantum Fluid of Exciton-Polaritons in a Semiconductor Microcavity. Journal of Low Temperature Physics, 2007, 148, 459-464.	1.4	2
146	How fast electrons and photons mix: Sub-cycle switching of intersubband cavity polaritons. Journal of Physics: Conference Series, 2009, 193, 012060.	0.4	2
147	Superfluidity in polariton condensates. Journal of Physics: Conference Series, 2010, 210, 012060.	0.4	2
148	Swimming in a sea of superfluid light. Europhysics News, 2010, 41, 23-27.	0.3	2
149	Quantum fluid properties of polaritons in semiconductor microcavities. Journal of Modern Optics, 2010, 57, 1900-1907.	1.3	2
150	Influence of resonator design on ultrastrong coupling between a two-dimensional electron gas and a THz metamaterial. Proceedings of SPIE, 2013, , .	0.8	2
151	Non-Hermitian bath model for arrays of coupled nanoresonators. Optics Express, 2021, 29, 34015.	3.4	2
152	Crossover from Exciton to Biexciton Cavity Polaritons. Physica Status Solidi (B): Basic Research, 2000, 221, 157-162.	1.5	1
153	One-Dimensional Model of Many-Exciton Effects in Photoluminescence Spectra. Physica Status Solidi A, 2000, 178, 435-440.	1.7	1
154	Femtosecond dynamics and non-linearities of "exciton" photon coupling in semiconductor microstructures. Comptes Rendus Physique, 2001, 2, 1439-1451.	0.1	1
155	Quantum Kinetics of Parametric Polariton Scattering in Microcavities. Physica Status Solidi (B): Basic Research, 2002, 234, 183-194.	1.5	1
156	Non-linear dynamical effects in semiconductor microcavities. Physica Status Solidi (B): Basic Research, 2005, 242, 2246-2259.	1.5	1
157	Publisher's Note: Quantum theory of electron tunneling into intersubband cavity polariton states [Phys. Rev. B79, 075317 (2009)]. Physical Review B, 2009, 79, .	3.2	1
158	Entanglement dynamics in dissipative photonic Mott insulators. Physical Review Research, 2020, 2, .	3.6	1
159	Dressed semiconductor Bloch equations: coherence versus Coulomb scattering in resonantly excited quantum wells. Physica B: Condensed Matter, 1999, 272, 335-337.	2.7	0
160	The Microcavity AC Stark Triplet: Excitation in the Exciton Continuum. Physica Status Solidi (B): Basic Research, 2000, 221, 127-131.	1.5	0
161	Net Coherent Optical Gain in Strongly Pumped Semiconductor Microcavities. Physica Status Solidi A, 2000, 178, 139-143.	1.7	0
162	Coherence versus Coulomb Scattering in Resonantly Excited Quantum Wells. Physica Status Solidi A, 2000, 178, 417-422.	1.7	0

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163	Towards room temperature polariton amplification in semiconductor microcavities. , 0, , .		0
164	Novel parametric phenomena in the strong exciton-photon coupling regime. , 0, , .		0
165	Polarization controlled parametric oscillation in quasi-one-dimensional microcavities. , 0, , .		0
166	Generation of quantum correlated photon pairs from a vertical triple microcavity. , 2007, , .		0
167	Optical Parametric Oscillation In A Vertical Triple Microcavity. AIP Conference Proceedings, 2007, , .	0.4	0
168	Terahertz quantum optics with solid-state systems. , 2010, , .		0
169	Quantum information with semiconductor nanostructures. , 2011, , .		0
170	Inter-branch terahertz lasing in asymmetric intersubband polariton systems. , 2013, , .		0
171	Quantum Fluids of Light. , 2014, , .		0
172	Publisher's Note: Interaction-shaped vortex-antivortex lattices in polariton fluids [Phys. Rev. B89, 134501 (2014)]. Physical Review B, 2014, 90, .	3.2	0
173	Hungry cavities. Nature Physics, 2014, 10, 796-797.	16.7	0
174	Magneto-transport of 2DEGs ultrastrongly coupled to vacuum fields. , 2019, , .		0
175	Non-perturbative Subcycle Nonlinearities of Ultrastrong Light-Matter Coupling. , 2021, , .		0
176	Extremely Non-adiabatic Switch-off of Deep-strong Light-Matter Coupling. , 2021, , .		0
177	Extremely Non-Adiabatic Switch-Off of Deep-Strong Light-Matter Coupling. , 2021, , .		0
178	Quantum coherence in polariton fluids. , 2013, , .		0
179	Quantum coherence in polariton fluids. , 2013, , .		0
180	Strongly Correlated Photons in Nonlinear Nanophotonic Platforms. Quantum Science and Technology, 2017, , 123-151.	2.6	0

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181	Extremely Non-Adiabatic Switching of Deep-Strong Light-Matter Coupling. , 2020, , .		0