

Vincenzo Savona

List of Publications by Year in descending order

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185
papers

9,254
citations

57758

44
h-index

39675

94
g-index

190
all docs

190
docs citations

190
times ranked

4815
citing authors

#	ARTICLE	IF	CITATIONS
1	Bose-Einstein condensation of exciton polaritons. Nature, 2006, 443, 409-414.	27.8	2,564
2	Quantum well excitons in semiconductor microcavities: Unified treatment of weak and strong coupling regimes. Solid State Communications, 1995, 93, 733-739.	1.9	471
3	Role of the exchange of carriers in elastic exciton-exciton scattering in quantum wells. Physical Review B, 1998, 58, 7926-7933.	3.2	357
4	Single Photons from Coupled Quantum Modes. Physical Review Letters, 2010, 104, 183601.	7.8	336
5	Bottleneck effects in the relaxation and photoluminescence of microcavity polaritons. Physical Review B, 1997, 56, 7554-7563.	3.2	282
6	Explanation of Photon Correlations in the Far-Off-Resonance Optical Emission from a Quantum-Dot Cavity System. Physical Review Letters, 2009, 103, 207403.	7.8	182
7	Observation of the Unconventional Photon Blockade. Physical Review Letters, 2018, 121, 043601.	7.8	163
8	Unconventional photon blockade. Physical Review A, 2017, 96, .	2.5	157
9	Variational Quantum Monte Carlo Method with a Neural-Network Ansatz for Open Quantum Systems. Physical Review Letters, 2019, 122, 250501.	7.8	148
10	Engineering the spatial confinement of exciton polaritons in semiconductors. Physical Review B, 2006, 74, .	3.2	135
11	Automated optimization of photonic crystal slab cavities. Scientific Reports, 2014, 4, 5124.	3.3	120
12	Unconventional photon blockade in doubly resonant microcavities with second-order nonlinearity. Physical Review A, 2014, 89, .	2.5	119
13	Excitonic Bloch equations for a two-dimensional system of interacting excitons. Physical Review B, 2000, 61, 13856-13862.	3.2	113
14	Probing the Dynamics of Spontaneous Quantum Vortices in Polariton Superfluids. Physical Review Letters, 2011, 106, 115301.	7.8	110
15	Genetically designed L3 photonic crystal nanocavities with measured quality factor exceeding one million. Applied Physics Letters, 2014, 104, .	3.3	108
16	Nonequilibrium dynamics of free quantum-well excitons in time-resolved photoluminescence. Physical Review B, 1996, 53, 15834-15841.	3.2	106
17	Quantum theory of quantum-well polaritons in semiconductor microcavities. Physical Review B, 1994, 49, 8774-8779.	3.2	105
18	Stochastic classical field model for polariton condensates. Physical Review B, 2009, 79, .	3.2	103

#	ARTICLE	IF	CITATIONS
19	Microscopic Theory of Motional Narrowing of Microcavity Polaritons in a Disordered Potential. <i>Physical Review Letters</i> , 1997, 78, 4470-4473.	7.8	98
20	Optimal antibunching in passive photonic devices based on coupled nonlinear resonators. <i>New Journal of Physics</i> , 2013, 15, 025012.	2.9	98
21	Matrix-product-operator approach to the nonequilibrium steady state of driven-dissipative quantum arrays. <i>Physical Review A</i> , 2015, 92, .	2.5	97
22	Quantum Complementarity of Microcavity Polaritons. <i>Physical Review Letters</i> , 2005, 94, .	7.8	94
23	Coherent dynamics and parametric instabilities of microcavity polaritons in double-well systems. <i>Physical Review B</i> , 2008, 77, .	3.2	90
24	Quantum Mechanical Repulsion of Exciton Levels in a Disordered Quantum Well. <i>Physical Review Letters</i> , 2001, 87, 076801.	7.8	88
25	Input-output theory of the unconventional photon blockade. <i>Physical Review A</i> , 2013, 88, .	2.5	87
26	Time-resolved Rayleigh scattering of excitons: Evidence for level repulsion in a disordered system. <i>Physical Review B</i> , 1999, 60, 4928-4936.	3.2	85
27	Optical properties of microcavity polaritons. <i>Phase Transitions</i> , 1999, 68, 169-279.	1.3	85
28	Phonon-Mediated Coupling of InGaAs Quantum Dot Excitons to Photonic Crystal Cavities. <i>Physical Review Letters</i> , 2011, 106, 227402.	3.2	85
29	Energy relaxation in one-dimensional polariton condensates. <i>Physical Review B</i> , 2010, 82, .	3.2	84
30	Coherent coupling between distant excitons revealed by two-dimensional nonlinear hyperspectral imaging. <i>Nature Photonics</i> , 2011, 5, 57-63.	31.4	78
31	Quantum Critical Regime in a Quadratically Driven Nonlinear Photonic Lattice. <i>Physical Review Letters</i> , 2019, 122, 110405.	7.8	77
32	Theory of polariton photoluminescence in arbitrary semiconductor microcavity structures. <i>Physical Review B</i> , 1996, 53, 13051-13062.	3.2	75
33	Exciton formation rates in $\text{GaAs}/\text{Al}_x\text{Ga}_{1-x}\text{As}$ quantum wells. <i>Physical Review B</i> , 1997, 55, 1333-1336.	3.2	74
34	Photoluminescence decay times in strong-coupling semiconductor microcavities. <i>Physical Review B</i> , 1996, 53, R7642-R7645.	3.2	69
35	Electromagnetic modes of a disordered photonic crystal. <i>Physical Review B</i> , 2011, 83, .	3.2	58
36	Statistics of the disorder-induced losses of high-Q photonic crystal cavities. <i>Optics Express</i> , 2013, 21, 28233.	3.4	57

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37	An all-silicon single-photon source by unconventional photon blockade. <i>Scientific Reports</i> , 2015, 5, 11223.	3.3	54
38	Effect of interface disorder on quantum well excitons and microcavity polaritons. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 295208.	1.8	53
39	Long-range radiative interaction between semiconductor quantum dots. <i>Physical Review B</i> , 2005, 71, .	3.2	51
40	Realistic heterointerface model for excitonic states in growth-interrupted GaAs quantum wells. <i>Physical Review B</i> , 2006, 74, .	3.2	50
41	Optical Signatures of Energy-Level Statistics in a Disordered Quantum System. <i>Physical Review Letters</i> , 2000, 84, 183-186.	7.8	49
42	Wide-band slow light in compact photonic crystal coupled-cavity waveguides. <i>Optica</i> , 2015, 2, 631.	9.3	48
43	Theory of time-resolved light emission from polaritons in a semiconductor microcavity under resonant excitation. <i>Physical Review B</i> , 1996, 54, 10835-10840.	3.2	47
44	Polariton Condensation in a One-Dimensional Disordered Potential. <i>Physical Review Letters</i> , 2011, 106, 176401.	7.8	46
45	Dissociation dynamics of singly charged vortices into half-quantum vortex pairs. <i>Nature Communications</i> , 2012, 3, 1309.	12.8	46
46	Exact quantum calculation of polariton dispersion in semiconductor microcavities. <i>Solid State Communications</i> , 1995, 95, 673-678.	1.9	45
47	Spontaneous symmetry breaking in a quadratically driven nonlinear photonic lattice. <i>Physical Review A</i> , 2017, 96, .	2.5	45
48	Threshold behavior in the collision broadening of microcavity polaritons. <i>Physical Review B</i> , 1998, 58, R10123-R10126.	3.2	42
49	Long-range order in the Bose-Einstein condensation of polaritons. <i>Physical Review B</i> , 2007, 75, .	3.2	42
50	Two-Color Pump-Probe Measurement of Photonic Quantum Correlations Mediated by a Single Phonon. <i>Physical Review Letters</i> , 2018, 120, 233601.	7.8	41
51	Single photons from dissipation in coupled cavities. <i>Physical Review A</i> , 2016, 94, .	2.5	40
52	Coherent optical control of the wave function of zero-dimensional exciton polaritons. <i>Physical Review B</i> , 2009, 80, .	3.2	39
53	Polaritons in high reflectivity microcavities: semiclassical and full quantum treatment of optical properties. <i>Superlattices and Microstructures</i> , 1994, 15, 453-458.	3.1	38
54	Superfluid to Bose-Glass Transition in a 1D Weakly Interacting Bose Gas. <i>Physical Review Letters</i> , 2009, 103, 030403.	7.8	38

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55	High-Q silicon photonic crystal cavity for enhanced optical nonlinearities. Applied Physics Letters, 2014, 105, .	3.3	38
56	Efficient continuous-wave nonlinear frequency conversion in high-Q gallium nitride photonic crystal cavities on silicon. APL Photonics, 2017, 2, .	5.7	38
57	Dissipative time crystal in an asymmetric nonlinear photonic dimer. Physical Review A, 2020, 101, .	2.5	38
58	Spontaneous self-ordered states of vortex-antivortex pairs in a polariton condensate. Physical Review B, 2013, 88, .	3.2	37
59	Microcavity Polaritons: Homogeneous and Inhomogeneous Broadening in the Strong Coupling Regime. Physica Status Solidi A, 1997, 164, 45-51.	1.7	36
60	Multimode entanglement in coupled cavity arrays. New Journal of Physics, 2013, 15, 025015.	2.9	36
61	Photonic crystal slab cavity simultaneously optimized for ultra-high Q and vertical radiation coupling. Applied Physics Letters, 2017, 111, .	3.3	36
62	Heralded Preparation and Readout of Entangled Phonons in a Photonic Crystal Cavity. Physical Review Letters, 2014, 113, 143603.	7.8	35
63	Haldane quantum Hall effect for light in a dynamically modulated array of resonators. Optica, 2016, 3, 200.	9.3	34
64	Superfluidity of a nonequilibrium Bose-Einstein condensate of polaritons. Physical Review B, 2010, 81, .	3.2	33
65	Linear spectrum of a quantum dot coupled to a nanocavity. Physical Review B, 2010, 81, .	3.2	32
66	Driven-dissipative quantum Monte Carlo method for open quantum systems. Physical Review A, 2018, 97, .	2.5	30
67	Radiative coupling of quantum dots in photonic crystal structures. Physical Review B, 2013, 87, .	3.2	28
68	Gallium nitride L3 photonic crystal cavities with an average quality factor of 16×10^9 in the near infrared. Applied Physics Letters, 2014, 105, .	3.3	28
69	Enhanced Resonant Backscattering of Excitons in Disordered Quantum Wells. Physical Review Letters, 2002, 89, 157401.	7.8	26
70	Quantum entanglement in nanocavity arrays. Physical Review A, 2012, 85, .	2.5	26
71	Emergence of entanglement out of a noisy environment: The case of microcavity polaritons. Europhysics Letters, 2009, 88, 20003.	2.0	25
72	Interferometric analysis of resonant Rayleigh scattering from two-dimensional excitons. Physical Review B, 2000, 61, R5109-R5112.	3.2	24

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73	Enhancement of microcavity polariton relaxation under confinement. <i>Physical Review B</i> , 2009, 79, .	3.2	24
74	Mean-field phase diagram of the one-dimensional Bose gas in a disorder potential. <i>Physical Review A</i> , 2010, 81, .	2.5	23
75	Enhanced resonant backscattering of light from quantum-well excitons. <i>Physical Review B</i> , 2000, 62, R4805-R4808.	3.2	22
76	Gaussian trajectory approach to dissipative phase transitions: The case of quadratically driven photonic lattices. <i>Physical Review Research</i> , 2020, 2, .	3.6	22
77	Theory of resonant secondary emission. , 2003, , 89-165.		19
78	Spectrum and thermal fluctuations of a microcavity polariton Bose-Einstein condensate. <i>Physical Review B</i> , 2008, 77, .	3.2	19
79	Nonclassical statistics from a polaritonic Josephson junction. <i>Physical Review A</i> , 2017, 95, .	2.5	19
80	Multipartite polariton entanglement in semiconductor microcavities. <i>Physical Review A</i> , 2011, 84, .	2.5	18
81	Resonant Rayleigh scattering dynamics of excitons in single quantum wells. <i>Physical Review B</i> , 2003, 68, .	3.2	17
82	Theory of trapped polaritons in patterned microcavities. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 2428-2431.	0.8	16
83	Effect of hole-shape irregularities on photonic crystal waveguides. <i>Optics Letters</i> , 2012, 37, 3108.	3.3	16
84	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
85	Speckle-averaged resonant Rayleigh scattering from quantum-well excitons. <i>Physical Review B</i> , 2000, 62, 6952-6955.	3.2	15
86	Linear optical properties of semiconductor microcavities with embedded quantum wells. , 1999, , 173-242.		14
87	Modeling the photoluminescence lifetime in realistic quantum wires. <i>Physical Review B</i> , 2004, 69, .	3.2	14
88	Near-field autocorrelation spectroscopy of disordered semiconductor quantum wells. <i>Physical Review B</i> , 2004, 69, .	3.2	14
89	Zero dimensional exciton-polaritons. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 2311-2316.	1.5	14
90	Simulating frustrated antiferromagnets with quadratically driven QED cavities. <i>Physical Review A</i> , 2019, 100, .	2.5	14

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91	Near-infrared transitions in iron-based diluted magnetic semiconductors: Effect of strong electron-phonon coupling. <i>Physical Review B</i> , 1994, 49, 2408-2417.	3.2	13
92	Polaritons in confined systems. <i>Journal of Statistical Physics</i> , 1994, 76, 299-305.	1.2	13
93	Level repulsion of exciton states in disordered semiconductor nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 238, 478-485.	1.5	13
94	Onset of coherent photoluminescence in semiconductor microcavities. <i>Physical Review B</i> , 2005, 71, .	3.2	13
95	Localization-Dependent Photoluminescence Spectrum of Biexcitons in Semiconductor Quantum Wires. <i>Physical Review Letters</i> , 2005, 95, 177404.	7.8	13
96	Nonequilibrium photonic transport and phase transition in an array of optical cavities. <i>New Journal of Physics</i> , 2017, 19, 115006.	2.9	12
97	Exciton relaxation and level repulsion in GaAs/Al _x Ga _{1-x} As quantum wires. <i>Physical Review B</i> , 2004, 69, .	3.2	11
98	Emission spectrum of a quantum dot embedded in a nanocavity. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 902-905.	0.8	11
99	Fragmentation and the Bose-glass phase transition of the disordered one-dimensional Bose gas. <i>Physical Review A</i> , 2011, 83, .	2.5	11
100	Long-distance radiative excitation transfer between quantum dots in disordered photonic crystal waveguides. <i>Physical Review B</i> , 2013, 88, .	3.2	11
101	Remote macroscopic entanglement on a photonic crystal architecture. <i>Physical Review A</i> , 2015, 92, .	2.5	11
102	Ultra-wide-band structural slow light. <i>Scientific Reports</i> , 2018, 8, 14811.	3.3	11
103	Level-statistics in the resonant Rayleigh scattering dynamics of monolayer-split excitons. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 238, 486-493.	1.5	10
104	Bose-Einstein condensation of microcavity polaritons. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, 2290-2301.	1.5	10
105	Collective excitation kinetics in the condensation of polaritons. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 2317-2321.	1.5	10
106	Ultralong-range radiative excitation transfer between quantum dots in a planar microcavity. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1085-1088.	1.5	10
107	Polariton parametric photoluminescence in spatially inhomogeneous systems. <i>Physical Review B</i> , 2009, 79, .	3.2	10
108	Superfluid-insulator transition of two-dimensional disordered Bose gases. <i>Physical Review A</i> , 2014, 90, .	2.5	10

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109	Towards thermal equilibrium in the Bose-Einstein condensation of microcavity polaritons. Solid State Communications, 2007, 144, 371-377.	1.9	9
110	A compact, integrated silicon device for the generation of spectrally filtered, pair-correlated photons. Journal of Optics (United Kingdom), 2016, 18, 054012.	2.2	9
111	Disorder effects on the coupling strength of coupled photonic crystal slab cavities. New Journal of Physics, 2018, 20, 075002.	2.9	9
112	Monolithic Silicon-Based Nanobeam Cavities for Integrated Nonlinear and Quantum Photonics. Physical Review Applied, 2020, 13, .	3.8	9
113	A nonequilibrium quantum phase transition in strongly coupled spin chains. Quantum - the Open Journal for Quantum Science, 0, 1, 40.	0.0	9
114	Global optimization of an encapsulated Si/SiO ₂ L3 cavity with a 43 million quality factor. Scientific Reports, 2021, 11, 10121.	3.3	8
115	Photoluminescence and Carrier Dynamics in GaAs Quantum Wells. Physica Status Solidi A, 1997, 164, 221-225.	1.7	7
116	Strong coupling of exciton-polaritons in semiconductor microcavities. Journal of Crystal Growth, 1998, 184-185, 737-744.	1.5	7
117	Influence of Disorder and Finite-Size Effects on Slow Light Transport in Extended Photonic Crystal Coupled-Cavity Waveguides. ACS Photonics, 2018, 5, 4846-4853.	6.6	7
118	Slow-Light Frequency Combs and Dissipative Kerr Solitons in Coupled-Cavity Waveguides. Physical Review Applied, 2019, 12, .	3.8	7
119	A quantum algorithm for the direct estimation of the steady state of open quantum systems. Quantum - the Open Journal for Quantum Science, 0, 5, 399.	0.0	7
120	Parametric photoluminescence of spatially confined polaritons in patterned microcavities. Physica Status Solidi (B): Basic Research, 2008, 245, 1089-1092.	1.5	6
121	Laser from a many-body correlated medium. Physical Review B, 2016, 93, .	3.2	6
122	Squeezed polaritons in confined systems. European Physical Journal Special Topics, 1993, 03, 393-396.	0.2	5
123	Level Repulsion of Localized Excitons in Disordered Quantum Wells. Physica Status Solidi A, 2002, 190, 625-629.	1.7	5
124	Long-range radiative interaction between semiconductor quantum dots. Superlattices and Microstructures, 2007, 41, 337-340.	3.1	5
125	Optically Erasing Disorder in Semiconductor Microcavities with Dynamic Nuclear Polarization. Physical Review Letters, 2011, 106, 146404.	7.8	5
126	Emergent transport in a many-body open system driven by interacting quantum baths. Physical Review B, 2017, 96, .	3.2	5

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127	Effect of the scattering by phonons on the temperature dependence of the free QW exciton radiative lifetimes. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1995, 17, 1663-1667.	0.4	4
128	Theory of Ultrafast Rayleigh Scattering in Semiconductor Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 221, 365-371.	1.5	4
129	Exciton relaxation and level repulsion in quantum wires. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 1417-1420.	0.8	4
130	Determining the structure of semiconductor heterointerfaces by excitonic optical spectra. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 501-505.	0.8	4
131	Emergent entanglement of microcavity polariton pairs. <i>Journal of Physics: Conference Series</i> , 2010, 210, 012033.	0.4	4
132	Two Decades of Secondary Emission in Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 234, 96-106.	1.5	3
133	Optimizing doubly resonant photonic crystal cavity modes for second harmonic generation. , 2014, , .		3
134	Role of Carrier-Phonon Interaction on the Exciton Formation in Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , 1997, 204, 191-194.	1.5	2
135	Resonant Rayleigh Scattering on Quantum Well Excitons: Theory and Experiment. <i>Physica Status Solidi A</i> , 2000, 178, 21-26.	1.7	2
136	Superfluid-insulator transition in weakly interacting disordered Bose gases: a kernel polynomial approach. <i>New Journal of Physics</i> , 2013, 15, 045006.	2.9	2
137	Quantum dynamics of dissipative Kerr solitons. <i>Physical Review A</i> , 2022, 105, .	2.5	2
138	Time- and phase-resolved resonant Rayleigh scattering by wannier excitons in a 2D potential with disorder. , 1999, , 433-442.		1
139	One-Dimensional Model of Many-Exciton Effects in Photoluminescence Spectra. <i>Physica Status Solidi A</i> , 2000, 178, 435-440.	1.7	1
140	Near-field spectroscopy of a coupled wire-dot nanostructure grown on (311)A GaAs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002, 91-92, 105-114.	3.5	1
141	Quantum mechanical repulsion of exciton levels in a disordered quantum well evidenced by near-field spectroscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 178-181.	2.7	1
142	Photoluminescence spectra and level repulsion in quantum wires. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 506-509.	0.8	1
143	Thermodynamics and linear response of a Bose-Einstein condensate of microcavity polaritons. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 2420-2428.	0.8	1
144	Kinetics of the Bose-Einstein condensation of microcavity polaritons. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1

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145	Polariton quantum optics and quantum collective phenomena: Overview and perspectives. , 2011, , .		1
146	GaN L3 Photonic Crystal Cavities With an Average Quality Factor in Excess of 16000 in the Near Infrared. , 2015, , .		1
147	Two Decades of Secondary Emission in Quantum Wells. , 2002, 234, 96.		1
148	Light emission from quantum well excitons in semiconductor microcavities. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 1713-1716.	0.4	0
149	Dressed semiconductor bloch equations: coherence versus Coulomb scattering in resonantly excited quantum wells. Physica B: Condensed Matter, 1999, 272, 335-337.	2.7	0
150	<title>Excitonic dephasing effects studied by time- and phase-resolved secondary emission</title>. , 1999, , .		0
151	Coherence versus Coulomb Scattering in Resonantly Excited Quantum Wells. Physica Status Solidi A, 2000, 178, 417-422.	1.7	0
152	Speckle-averaged resonant Rayleigh scattering from quantum well excitons. , 0, , .		0
153	Near-field imaging and spectroscopy of localized and delocalized excitons in semiconductor nanostructures. , 0, , .		0
154	Temperature dependence of the photoluminescence lifetime in disordered quantumwires. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 442-445.	0.8	0
155	Fifteen Years of Microcavity Polaritons. , 0, , 1-29.		0
156	Boseâ€Einstein Condensation of Microcavity Polaritons. , 0, , 211-226.		0
157	Kinetics of quantum fluctuations in polariton Bose Einstein condensation. AIP Conference Proceedings, 2007, , .	0.4	0
158	Monte Carlo model for the photoluminescence kinetics of a quantum dot embedded in a nanocavity. Journal of Physics: Conference Series, 2009, 193, 012124.	0.4	0
159	Polariton Quantum Optics. , 2010, , .		0
160	Phonon-mediated exciton-photon coupling in site-controlled quantum-dot-nanocavity systems. , 2011, , .		0
161	Active semiconductor nanophotonics based on deterministic quantum wire and dot systems. Proceedings of SPIE, 2011, , .	0.8	0
162	Photoluminescence from a quantum dot-cavity system. , 2012, , 332-368.		0

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163	Radiative coupling of quantum dots in a disordered Photonic Crystal waveguide. , 2013, , .		0
164	Global optimization of ultrahigh-Q H0 photonic crystal nanocavity in silicon. , 2014, , .		0
165	Proposal for a single-photon silicon device based on the unconventional photon blockade. , 2014, , .		0
166	Design-specific global optimization of a variety of photonic crystal cavities. , 2014, , .		0
167	Automated Optimization of Photonic Crystals for Broadband Slow Light and Ultra-High-Q Cavities. , 2015, , .		0
168	Single Photons from Weakly Nonlinear Photonic Structures. , 2016, , .		0
169	Demonstration of continuous-wave second and third harmonic generation in high-Q gallium nitride photonic crystal cavities. , 2017, , .		0
170	Efficient harmonic generation in high-Q gallium nitride photonic crystal cavities on silicon. , 2017, , .		0
171	Single photons from weakly nonlinear photonic structures. , 2017, , .		0
172	Broadband slow light in genetically optimized coupled-cavity waveguides with GBP exceeding 0.45. , 2017, , .		0
173	Finite-Size and Disorder Effects on Slow-Light Propagation in an Extended Photonic Crystal Coupled-Cavity Waveguides with Group-Index Bandwidth Product Exceeding 0.47. , 2018, , .		0
174	Slow-light enhanced frequency combs and dissipative Kerr solitons in silicon coupled-ring microresonators in the telecom band. OSA Continuum, 2021, 4, 1247.	1.8	0
175	Speckle-averaged resonant Rayleigh scattering from quantum well excitons. Springer Proceedings in Physics, 2001, , 605-606.	0.2	0
176	Quantum Correlated Photons in Arrays of Weakly Nonlinear Cavities. , 2012, , .		0
177	Truncated Wigner Approximation for Nonequilibrium Polariton Quantum Fluids. Springer Series in Solid-state Sciences, 2012, , 267-288.	0.3	0
178	L3 Photonic Crystal Nanocavities with Measured Q-factor Exceeding One Million. , 2014, , .		0
179	Solid State Physics: Basic and Optical Properties. , 1996, , 143-180.		0
180	A Wide-band Slow Light Regime Realized by Genetic Photonic Crystal Coupled Resonator Waveguides. , 2015, , .		0

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181	Probing finite-size effects and disorder in extended slow light photonic crystal coupled-cavity waveguides. , 2018, , .		0
182	Slow light propagation in extended photonic crystal coupled-cavity waveguides featuring a large group index-bandwidth product. , 2018, , .		0
183	Optimized Si/SiO ₂ nanobeam cavity for linear and non-linear applications. , 2019, , .		0
184	Kerr-frequency combs and dissipative Kerr-solitons in coupled-cavity waveguides. , 2019, , .		0
185	Large-Parameter-Space Optimization of Photonic Crystal Slab Cavities. , 2019, , .		0