Romuald HoudrÃ©

List of Publications by Year
in descending order

Version: 2024-02-01

242	11,135	26630	33894
papers	citations	56 h-index	99 g-index

245	245	245	5814
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Doubly resonant second-harmonic generation of a vortex beam from a bound state in the continuum. Optica, 2020, 7, 1126.	9.3	44
2	Doubly Resonant Second Harmonic Generation in Photonic Crystal Cavities via Bound States in the Continuum. , 2020, , .		0
3	Efficient second harmonic generation in a doubly resonant photonic crystal cavity based on a bound state in the continuum. , 2020, , .		0
4	Optical Trapping and Gram-Type Differentiation of Living Bacteria in 2D Hollow Photonic Crystal Cavities. , 2019, , .		0
5	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
6	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
7	Ultra-wide-band structural slow light. Scientific Reports, 2018, 8, 14811.	3.3	11
8	Gram-type differentiation of bacteria with 2D hollow photonic crystal cavities. Applied Physics Letters, 2018, 113, .	3.3	29
9	Gram-type Differentiation of Bacteria with 2D Hollow Photonic Crystal Cavities. , 2018, , .		1
10	Probing finite-size effects and disorder in extended slow light photonic crystal coupled-cavity waveguides. , 2018, , .		0
11	Resonant Optical Trapping in Microfluidic-Integrated Hollow Photonic Crystal Cavities. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 561-561.	0.3	0
12	Efficient continuous-wave nonlinear frequency conversion in high-Q gallium nitride photonic crystal cavities on silicon. APL Photonics, 2017, 2, .	5.7	38
13	Demonstration of continuous-wave second and third harmonic generation in high-Q gallium nitride photonic crystal cavities. , 2017, , .		0
14	Broadband slow light in genetically optimized coupled-cavity waveguides with GBP exceeding 0.45. , 2017, , .		0
15	Thermal fluctuation analysis of singly optically trapped spheres in hollow photonic crystal cavities. Applied Physics Letters, 2016, 109, .	3.3	7
16	Analysis of the Brownian motion of singly trapped spheres in hollow photonic crystal cavities. , 2016, , .		0
17	Hybrid PDMS/glass microfluidics for high resolution imaging and application to sub-wavelength particle trapping. Lab on A Chip, 2016, 16, 465-470.	6.0	23
18	High-Q silicon photonic crystal cavity for enhanced optical nonlinearities. Applied Physics Letters, 2014, 105, .	3.3	38

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19	Single particle detection, manipulation and analysis with resonant optical trapping in photonic crystals. Lab on A Chip, 2013, 13, 3268.	6.0	52
20	Continuousâ€wave vertically emitting photonic crystal terahertz laser. Laser and Photonics Reviews, 2013, 7, L45.	8.7	28
21	Terahertz photonic crystal quantum cascade laser coupled to a second order Bragg vertical extractor. , 2013, , .		0
22	Observation of Backaction and Self-Induced Trapping in a Planar Hollow Photonic Crystal Cavity. Physical Review Letters, 2013, 110, 123601.	7.8	118
23	All-optical polariton transistor. Nature Communications, 2013, 4, 1778.	12.8	409
24	Imaging of high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>cavity optical modes by electron energy-loss microscopy. Physical Review B, 2013, 87, .	3.2	11
25	Self-trapping and back-action effects in hollow photonic crystal cavity optical traps. , 2013, , .		0
26	Statistics of the disorder-induced losses of high-Q photonic crystal cavities. Optics Express, 2013, 21, 28233.	3.4	57
27	Resonant optical trapping and back-action effects in a hollow photonic crystal cavity. , 2013, , .		0
28	Integrated photonics on silicon with wide bandgap GaN semiconductor. Applied Physics Letters, 2013, 102, .	3.3	56
29	Resonant optical trapping and back-action effects in hollow photonic crystal cavities. , 2013, , .		0
30	Experimental demonstration of resonant optical trapping and back-action effects in a hollow photonic crystal cavity. , 2013, , .		0
31	Near-infrared characterization of gallium nitride photonic-crystal waveguides and cavities. Optics Letters, 2012, 37, 4588.	3.3	25
32	Single particle detection and self-trapping in hollow photonic crystal cavities integrated in a microfluidic environment. , 2012, , .		0
33	High quality factor two dimensional GaN photonic crystal cavity membranes grown on silicon substrate. Applied Physics Letters, 2012, 100, .	3.3	64
34	Surface emitting Terahertz Photonic Crystal Quantum Cascade Laser realized by Bragg boundary condition. , 2012, , .		0
35	Numerical modelling of optical trapping in hollow photonic crystal cavities. Optical and Quantum Electronics, 2012, 44, 161-167.	3.3	1
36	Microfluidic integrated hollow photonic crystal cavities for single particle and resonant field interaction. , 2012, , .		0

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37	Polariton Superfluids Reveal Quantum Hydrodynamic Solitons. Science, 2011, 332, 1167-1170.	12.6	379
38	Complex-coupled photonic crystal THz lasers with independent loss and refractive index modulation. Optics Express, 2011, 19, 10707.	3.4	55
39	All-optical control of the quantum flow of a polariton condensate. Nature Photonics, 2011, 5, 610-614.	31.4	143
40	Inhibited emission of electromagnetic modes confined in subwavelength cavities. Physical Review B, 2011, 84, .	3.2	7
41	Statistical analysis of subnanometer residual disorder in photonic crystal waveguides: Correlation between slow light properties and structural properties. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 051601.	1.2	16
42	Superfluidity in polariton condensates. Journal of Physics: Conference Series, 2010, 210, 012060.	0.4	2
43	Excitonâ€“polariton spin switches. Nature Photonics, 2010, 4, 361-366.	31.4	337
44	Design and fabrication technology for high performance electrical pumped terahertz photonic crystal band edge lasers with complete photonic band gap. Journal of Applied Physics, 2010, 108, .	2.5	26
45	Light engineering of the polariton landscape in semiconductor microcavities. Physical Review B, 2010, 82, .	3.2	92
46	Spin Rings in Bistable Planar Semiconductor Microcavities. Physical Review Letters, 2010, 105, 216403.	7.8	54
47	Quantum fluid properties of polaritons in semiconductor microcavities. Journal of Modern Optics, 2010, 57, 1900-1907.	1.3	2
48	Refractive index sensing with an air-slot photonic crystal nanocavity. Optics Letters, 2010, 35, 2523.	3.3	186
49	Group velocity and energy transport velocity near the band edge of a disordered coupled cavity waveguide: an analytical approach. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2095.	2.1	5
50	Radiation loss of photonic crystal coupled-cavity waveguides. Applied Physics Letters, 2009, 95, 111105.	3.3	11
51	Fourier space imaging of light localization at a photonic band-edge located below the light cone. Physical Review B, 2009, 79, .	3.2	23
52	In-plane and surface emitting high performance THz pillar type photonic crystal lasers with complete photonic bandgaps. , 2009, , .		0
53	Theoretical Investigation of the Radiation Pattern From LEDs Incorporating Shallow Photonic Crystals. IEEE Journal of Quantum Electronics, 2009, 45, 1273-1283.	1.9	10
54	Superfluidity of polaritons in semiconductor microcavities. Nature Physics, 2009, 5, 805-810.	16.7	795

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55	Experimental observation of slow mode dispersion in photonic crystal coupled-cavity waveguides. Optics Letters, 2009, 34, 359.	3.3	38
56	Off-chip beam steering with a one-dimensional optical phased array on silicon-on-insulator. Optics Letters, 2009, 34, 1477.	3.3	284
57	Light transport regimes in slow light photonic crystal waveguides. Physical Review B, 2009, 80, .	3.2	61
58	Bloch mode excitation in two-dimensional photonic crystals imaged by Fourier optics. Physical Review B, 2009, 79, .	3.2	5
59	Near-field mapping of quantum dot emission from single-photonic crystal cavity modes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1965-1967.	2.7	5
60	Towards a LED based on a photonic crystal nanocavity for single photon sources at telecom wavelength. Microelectronic Engineering, 2008, 85, 1162-1165.	2.4	3
61	Coupling length of silicon-on-insulator directional couplers probed by Fourier-space imaging. Applied Physics Letters, 2008, 92, 151106.	3.3	7
62	Local infiltration of planar photonic crystals with UV-curable polymers. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1562.	2.1	28
63	Terahertz quantum cascade lasers based on two-dimensional photonic crystal resonators. Optics Express, 2008, 16, 5206.	3.4	53
64	Characterisation of Photonic Crystal and Nanophotonics Devices with Fourier Optics. , 2008, , .		0
65	Influence of residual disorder on the anticrossing of Bloch modes probed in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>k</mml:mi></mml:math>space. Physical Review B, 2008, 78, .	3.2	26
66	Phase-sensitive Fourier space imaging of optical Bloch modes. Physical Review B, 2008, 77, .	3.2	7
67	Spectral tuning and near-field imaging of photonic crystal microcavities. Physical Review B, 2008, 78, .	3.2	60
68	Impact of feature-size dependent etching on the optical properties of photonic crystal devices. Journal of Applied Physics, 2008, 103, 096106.	2.5	4
69	Near Infrared Optical Characterization Techniques for Photonic Crystals. , 2008, , 173-192.		0
70	Telecom-wavelength single-photon sources for quantum communications. Journal of Physics Condensed Matter, 2007, 19, 225005.	1.8	10
71	Characterization of the feature-size dependence in Arâ•Cl[sub 2] chemically assisted ion beam etching of InP-based photonic crystal devices. Journal of Vacuum Science & Technology B, 2007, 25, 1.	1.3	21
72	Multi-wavelength operation and vertical emission in THz quantum-cascade lasers. Journal of Applied Physics, 2007, 101, 081726.	2.5	13

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73	Enhanced spontaneous emission rate from single InAs quantum dots in a photonic crystal nanocavity at telecom wavelengths. Applied Physics Letters, 2007, 91, .	3.3	38
74	Small optical volume terahertz emitting microdisk quantum cascade lasers. Applied Physics Letters, 2007, 90, 141114.	3.3	62
75	Grating-assisted superresolution of slow waves in Fourier space. Physical Review B, 2007, 76, .	3.2	23
76	Cointegration of Gate-All-Around MOSFETs and Local Silicon-on-Insulator Optical Waveguides on Bulk Silicon. IEEE Nanotechnology Magazine, 2007, 6, 118-125.	2.0	8
77	High Numerical Aperture Real and Fourier Space Investigation of Planar Photonic Devices Operating below the Light Cone. , 2007, , .		0
78	Self-collimating photonic crystal polarization beam splitter. Optics Letters, 2007, 32, 530.	3.3	151
79	Dispersion properties of silicon nanophotonic waveguides investigated with Fourier optics. Optics Letters, 2007, 32, 2723.	3.3	28
80	Optical tuning of planar photonic crystals infiltrated with organic molecules. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2165.	2.1	35
81	Exploring light propagating in photonic crystals with Fourier optics. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2964.	2.1	85
82	Terahertz photonic crystal quantum cascade lasers. Optics Express, 2007, 15, 16818.	3.4	119
83	Control of the Spontaneous Emission of Single InAs Quantum Dots at 1.3μm in Point-Defect Photonic Crystal Nanocavities. , 2007, , .		0
84	Fabrication and characterization of point defect photonic crystal nanocavities at telecom wavelength. Microelectronic Engineering, 2007, 84, 1480-1483.	2.4	5
85	Diffraction Efficiency of 2D Photonic Crystal Structures on Light Emitting Diodes. , 2006, , .		0
86	A quantitative analysis of self-collimation effects in planar photonic crystals. Journal of Applied Physics, 2006, 99, 096108.	2.5	8
87	Planar photonic crystals infiltrated with liquid crystals: optical characterization of molecule orientation. Optics Letters, 2006, 31, 1238.	3.3	42
88	Disorder-induced losses in planar photonic crystals. Optics Letters, 2006, 31, 1426.	3.3	28
89	Feature size effects in chemically assisted ion beam etching of InP-based photonic crystals. , 2006, , .		0
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91	Photonic lattice-based quantum cascade lasers at terahertz frequencies. , 2006, , .		1
92	Liquid crystal infiltration of InP-based planar photonic crystals. Journal of Applied Physics, 2006, 99, 103105.	2.5	36
93	Bloch wave propagation in two-dimensional photonic crystals: Influence of the polarization. Optical and Quantum Electronics, 2005, 37, 293-307.	3.3	7
94	Early stages of continuous wave experiments on cavity-polaritons. Physica Status Solidi (B): Basic Research, 2005, 242, 2167-2196.	1.5	52
95	MBE growth of high finesse microcavities. Physica Status Solidi (B): Basic Research, 2005, 242, 2157-2166.	1.5	5
96	Propagation loss measurements and Fabryâ€“PÃ©rot mode analysis using out-of-plane light scattering in photonic crystal waveguides. Applied Physics Letters, 2005, 86, 111111.	3.3	5
97	Codirectional couplers in GaAs-based planar photonic crystals. Applied Physics Letters, 2005, 86, 081108.	3.3	3
98	Fourier analysis of Bloch wave propagation in photonic crystals. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1179.	2.1	52
99	Design, fabrication and optical characterization of quantum cascade lasers at terahertz frequencies using photonic crystal reflectors. Optics Express, 2005, 13, 8960.	3.4	87
100	Spontaneous emission enhancement at a photonic wire miniband edge. Optics Letters, 2005, 30, 2113.	3.3	7
101	Spontaneous Emission Enhancement of Quantum Dots in a Photonic Crystal Wire. Physical Review Letters, 2005, 95, 183901.	7.8	82
102	Fourier analysis of Bloch wave propagation in two-dimensional photonic crystals. , 2004, 5450, 150.		0
103	Fabrication of two-dimensional InP-based photonic crystals by chlorine based chemically assisted ion beam etching. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 707.	1.6	36
104	Publisher's Note: Squeezing in semiconductor microcavities in the strong-coupling regime [Phys. Rev. A69, 031802 (2004)]. Physical Review A, 2004, 69, .	2.5	4
105	Temperature tuning of the optical properties of planar photonic crystal microcavities. Applied Physics Letters, 2004, 84, 846-848.	3.3	78
106	Internal light source technique free from reabsorption losses for optical characterization of planar photonic crystals. Applied Physics Letters, 2004, 85, 5131-5133.	3.3	5
107	Minimization of out-of-plane losses in planar photonic crystals by optimizing the vertical waveguide. Applied Physics Letters, 2004, 85, 3998-4000.	3.3	18
108	Ab initiotight-binding approach to photonic-crystal based coupled cavity waveguides. Journal of Applied Physics, 2004, 95, 806-809.	2.5	16

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109	Fabrication of low loss two-dimensional InP photonic crystals by inductively coupled plasma etching. Journal of Applied Physics, 2004, 95, 2242-2245.	2.5	63
110	Low-loss photonic crystal and monolithic InP integration: bands, bends, lasers, and filters. , 2004, 5360, 119.		4
111	Polariton scattering processes under resonant excitation in a strongly coupled semiconductor microcavity. Semiconductor Science and Technology, 2004, 19, 1104-1112.	2.0	0
112	Squeezing in semiconductor microcavities in the strong-coupling regime. Physical Review A, 2004, 69, .	2.5	79
113	Recent results and latest views on microcavity LEDs. , 2004, 5366, 1.		8
114	Temperature tuning of the optical properties of planar photonic crystal microcavities. , 2004, 5450, 311.		1
115	Toward real-world devices in InP-based PCs. , 2004, 5360, 77.		1
116	Radiation losses in planar photonic crystals: two-dimensional representation of hole depth and shape by an imaginary dielectric constant. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 469.	2.1	79
117	Coupled-mode theory and propagation losses in photonic crystal waveguides. Optics Express, 2003, 11, 1490.	3.4	106
118	Omnidirectional and compact guided light extraction from Archimedean photonic lattices. Applied Physics Letters, 2003, 83, 1283-1285.	3.3	65
119	Hole depth- and shape-induced radiation losses in two-dimensional photonic crystals. Applied Physics Letters, 2003, 82, 1009-1011.	3.3	42
120	Excitation-induced coherence in a semiconductor microcavity. Physical Review B, 2002, 66, .	3.2	8
121	Transmission spectroscopy of photonic crystal based waveguides with resonant cavities. Journal of Applied Physics, 2002, 91, 4791-4794.	2.5	18
122	Nanofabrication of high quality photonic crystals for integrated optics circuits. Nanotechnology, 2002, 13, 341-345.	2.6	17
123	Two-mode fringes in planar photonic crystal waveguides with constrictions: a probe that is sensitive to propagation losses. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 2403.	2.1	16
124	Improved 60Â° bend transmission of submicron-width waveguides defined in two-dimensional photonic crystals. Journal of Lightwave Technology, 2002, 20, 1198-1203.	4.6	44
125	Tuning InAs/GaAs quantum dot properties under Stranski-Krastanov growth mode for 1.3 Î¼m applications. Journal of Applied Physics, 2002, 91, 6710.	2.5	95
126	Models and measurements for the transmission of submicron-width waveguide bends defined in two-dimensional photonic crystals. IEEE Journal of Quantum Electronics, 2002, 38, 770-785.	1.9	52

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127	Optical study of two-dimensional InP-based photonic crystals by internal light source technique. IEEE Journal of Quantum Electronics, 2002, 38, 786-799.	1.9	68
128	Cascaded photonic crystal guides and cavities: spectral studies and their impact on integrated optics design. IEEE Journal of Quantum Electronics, 2002, 38, 816-824.	1.9	19
129	Toward ultrahigh-efficiency aluminum oxide microcavity light-emitting diodes: guided mode extraction by photonic crystals. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 238-247.	2.9	71
130	Collisional Broadening of Semiconductor Microcavity Polaritons. Physica Status Solidi A, 2002, 190, 435-440.	1.7	2
131	Microcavity light emitting diodes as efficient planar light emitters for telecommunication applications. Comptes Rendus Physique, 2002, 3, 3-14.	0.9	5
132	Strong coupling regime in semiconductor microcavities. Comptes Rendus Physique, 2002, 3, 15-27.	0.9	4
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134	Optical characterisation of 2D InP-based photonic crystals fabricated by inductively coupled plasma etching. Electronics Letters, 2002, 38, 962.	1.0	18
135	Parametric Polariton Amplification in Semiconductor Microcavities. Physical Review Letters, 2001, 87, 127403.	7.8	68
136	Miniband transmission in a photonic crystal coupled-resonator optical waveguide. Optics Letters, 2001, 26, 1019.	3.3	167
137	Structural and electrooptical characteristics of quantum dots emitting at 1.3 Î¼m on gallium arsenide. IEEE Journal of Quantum Electronics, 2001, 37, 1050-1058.	1.9	31
138	Mini-stopbands of a one-dimensional system:â€ƒThe channel waveguide in a two-dimensional photonic crystal. Physical Review B, 2001, 63, .	3.2	142
139	Optical study of 2D photonic crystals in an InP/GaInAsP slab waveguide structure. Materials Research Society Symposia Proceedings, 2001, 694, 1.	0.1	0
140	880-nm surface-emitting microcavity light-emitting diode. , 2001, , .		0
141	Linear response and Rayleigh scattering of cavity-polaritons. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 11, 198-204.	2.7	3
142	Coupled guide and cavity in a two-dimensional photonic crystal. Applied Physics Letters, 2001, 78, 1487-1489.	3.3	96
143	Resonant and nonresonant transmission through waveguide bends in a planar photonic crystal. Applied Physics Letters, 2001, 79, 2514-2516.	3.3	50
144	Nonlinear reflectivity of strongly coupled excitonâ€“photon systems under resonant and non-resonant pumping. Journal of Luminescence, 2000, 85, 261-270.	3.1	1

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145	Linear and non-linear behavior of cavity polaritons. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 625-630.	2.7	6
146	Overview of fundamentals and applications of electrons, excitons and photons in confined structures. Journal of Luminescence, 2000, 85, 271-293.	3.1	95
147	Design and characterization of top-emitting microcavity light-emitting diodes. Semiconductor Science and Technology, 2000, 15, 145-154.	2.0	8
148	Coherence effects in light scattering of two-dimensional photonic disordered systems: Elastic scattering of cavity polaritons. Physical Review B, 2000, 61, R13333-R13336.	3.2	65
149	Nonlinear Emission of Semiconductor Microcavities in the Strong Coupling Regime. Physical Review Letters, 2000, 85, 2793-2796.	7.8	114
150	Diffraction of cylindrical Bragg reflectors surrounding an in-plane semiconductor microcavity. Physical Review B, 2000, 61, 4806-4812.	3.2	26
151	Spontaneous emission model of lateral light extraction from heterostructure light-emitting diodes. Applied Physics Letters, 2000, 76, 3179-3181.	3.3	8
152	Low-loss channel waveguides with two-dimensional photonic crystal boundaries. Applied Physics Letters, 2000, 77, 2813-2815.	3.3	176
153	Direct observation of an ac Stark splitting in semiconductor microcavities excited above the continuum onset. Physical Review B, 2000, 61, R5113-R5116.	3.2	6
154	Diode-pumped broadband vertical-external-cavity surface-emitting semiconductor laser applied to high-sensitivity intracavity absorption spectroscopy. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1589.	2.1	87
155	Directionally dependent confinement in photonic-crystal microcavities. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 2043.	2.1	22
156	Time-resolved optical characterization of InAs/InGaAs quantum dots emitting at 1.3 Î¼m. Applied Physics Letters, 2000, 76, 3430-3432.	3.3	85
157	Scanning-tunneling-microscopy-induced optical spectroscopy of a single GaAs quantum well. Applied Physics Letters, 2000, 77, 3992-3994.	3.3	7
158	Diode-pumped broadband vertical external cavity surface emitting semiconductor lasers. Application to high sensitivity intracavity absorption spectroscopy. European Physical Journal Special Topics, 2000, 10, Pr8-203.	0.2	1
159	Near-infrared microcavities confined by two-dimensional photonic bandgap crystals. Electronics Letters, 1999, 35, 228.	1.0	53
160	AlGaInP-based microcavity light-emitting diodes: Controlled on-wafer detuning and measurement of the internal quantum efficiency. Applied Physics Letters, 1999, 75, 4052-4054.	3.3	6
161	Device simultaneous determination of the source and cavity parameters of a microcavity light-emitting diode. Journal of Applied Physics, 1999, 85, 2994-2996.	2.5	18
162	Lasing properties of disk microcavity based on a circular Bragg reflector. Applied Physics Letters, 1999, 75, 3051-3053.	3.3	34

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163	Finely resolved transmission spectra and band structure of two-dimensional photonic crystals using emission from InAs quantum dots. Physical Review B, 1999, 59, 1649-1652.	3.2	97
164	Diffraction efficiency and guided light control by two-dimensional photonic-bandgap lattices. IEEE Journal of Quantum Electronics, 1999, 35, 1045-1052.	1.9	42
165	Optical and confinement properties of two-dimensional photonic crystals. Journal of Lightwave Technology, 1999, 17, 2063-2077.	4.6	210
166	Waveguide Microcavities with Photonic Crystal Mirrors. Optics and Photonics News, 1999, 10, 22.	0.5	0
167	<title>High-efficiency top-emitting microcavity light-emitting diodes</title>. , 1999, , .		1
168	In-plane microcavity resonators with two-dimensional photonic bandgap mirrors. IEE Proceedings: Optoelectronics, 1998, 145, 373-378.	0.8	26
169	Exciton-Photon Dynamics in Weakly and Strongly Excited Semiconductor Microcavities. Physica Status Solidi (B): Basic Research, 1998, 206, 375-386.	1.5	2
170	Photoquenching of excitonic inhomogeneous linewidth in semiconductor microcavities. Solid State Communications, 1998, 106, 485-489.	1.9	5
171	Photoluminescence efficiency of semiconductor-microcavity-polaritons far from resonance. Solid State Communications, 1998, 106, 711-714.	1.9	4
172	Influence of Structural Disorder and Light Coupling on the Excitonic Response of Semiconductor Microcavities. Physical Review Letters, 1998, 80, 4795-4798.	7.8	113
173	High-finesse disk microcavity based on a circular Bragg reflector. Applied Physics Letters, 1998, 73, 1314-1316.	3.3	60
174	Nonlinear reflectivity of semiconductor microcavities in the weak- and strong-coupling regimes:â€ƒExperiment and theory. Physical Review B, 1998, 57, 9957-9964.	3.2	5
175	Strongly Driven Semiconductor Microcavities: From the Polariton Doublet to an ac Stark Triplet. Physical Review Letters, 1998, 80, 4733-4736.	7.8	72
176	Photoreflectance spectroscopy investigation of two-dimensional cesium metallic clusters on GaAs(100). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 2350-2359.	2.1	12
177	Resonant Rayleigh scattering versus incoherent luminescence in semiconductor microcavities. Physical Review B, 1998, 58, R10175-R10178.	3.2	40
178	Coherent exciton-photon dynamics in semiconductor microcavities:The influence of inhomogeneous broadening. Physical Review B, 1997, 55, 7084-7090.	3.2	53
179	Resonant photoluminescence of semiconductor microcavities:The role of acoustic phonons in polariton relaxation. Physical Review B, 1997, 55, R4867-R4870.	3.2	28
180	Magnetopolaritons in a semiconductor quantum well microcavity. Physical Review B, 1997, 56, 4068-4074.	3.2	19

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182	Quantitative Measurement of Transmission, Reflection, and Diffraction of Two-Dimensional Photonic Band Gap Structures at Near-Infrared Wavelengths. Physical Review Letters, 1997, 79, 4147-4150.	7.8	196
183	Dual-wavelength laser emission from a coupled semiconductor microcavity. Applied Physics Letters, 1997, 71, 864-866.	3.3	103
184	Optical Stark Effect and Coherent Gain of Excitons in a Semiconductor Microcavity. Physica Status Solidi A, 1997, 164, 23-27.	1.7	1
185	Relaxation of microcavity polariton. Superlattices and Microstructures, 1997, 22, 389-392.	3.1	6
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187	Photoluminescence intensity in a semiconductor microcavity. Solid State Communications, 1996, 99, 317-321.	1.9	9
188	Semiconductor microcavity under magnetic field: From the weak coupling to the strong coupling regime. Solid-State Electronics, 1996, 40, 497-500.	1.4	2
189	Vacuum-field Rabi splitting in the presence of inhomogeneous broadening: Resolution of a homogeneous linewidth in an inhomogeneously broadened system. Physical Review A, 1996, 53, 2711-2715.	2.5	269
190	Recent progress in semiconductor microcavities. Physica Scripta, 1996, T66, 121-125.	2.5	4
191	Influence of the device-width on the accuracy of quantization in the integer quantum Hall effect. IEEE Transactions on Instrumentation and Measurement, 1995, 44, 254-257.	4.7	25
192	Excitons in microcavities: Cavity polariton photoluminescence. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 1323-1332.	0.4	3
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