Romuald Houdr

List of Publications by Year in Descending Order

211 papers	9,160 citations	52 h-index	89 g-index
245 ext. papers	10,394 ext. citations	3.7 avg, IF	5.42 L-index

#	Paper	IF	Citations
211	Bacterial Gram-Type Differentiation Accomplished with Hollow Photonic Crystal Cavities. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2022**, 357-359	0.2	
210	Doubly resonant second-harmonic generation of a vortex beam from a bound state in the continuum. *Optica*, **2020**, 7, 1126	8.6	17
209	Gram-type Differentiation of Bacteria with 2D Hollow Photonic Crystal Cavities **2018**,		1
208	Influence of Disorder and Finite-Size Effects on Slow Light Transport in Extended Photonic Crystal Coupled-Cavity Waveguides. *ACS Photonics*, **2018**, 5, 4846-4853	6.3	6
207	Ultra-wide-band structural slow light. *Scientific Reports*, **2018**, 8, 14811	4.9	7
206	Gram-type differentiation of bacteria with 2D hollow photonic crystal cavities. *Applied Physics Letters*, **2018**, 113, 111101	3.4	17
205	Efficient continuous-wave nonlinear frequency conversion in high-Q gallium nitride photonic crystal cavities on silicon. *APL Photonics*, **2017**, 2, 031301	5.2	27
204	Hybrid PDMS/glass microfluidics for high resolution imaging and application to sub-wavelength particle trapping. *Lab on A Chip*, **2016**, 16, 465-70	7.2	14
203	Thermal fluctuation analysis of singly optically trapped spheres in hollow photonic crystal cavities. *Applied Physics Letters*, **2016**, 109, 241107	3.4	7
202	High-Q silicon photonic crystal cavity for enhanced optical nonlinearities. *Applied Physics Letters*, **2014**, 105, 101101	3.4	34
201	Single particle detection, manipulation and analysis with resonant optical trapping in photonic crystals. *Lab on A Chip*, **2013**, 13, 3268-74	7.2	42
200	Continuous-wave vertically emitting photonic crystal terahertz laser. *Laser and Photonics Reviews*, **2013**, 7, L45-L50	8.3	17
199	Observation of backaction and self-induced trapping in a planar hollow photonic crystal cavity. *Physical Review Letters*, **2013**, 110, 123601	7.4	81
198	All-optical polariton transistor. *Nature Communications*, **2013**, 4, 1778	17.4	310
197	Imaging of high-Q cavity optical modes by electron energy-loss microscopy. *Physical Review B*, **2013** , 87,	3.3	9
196	Statistics of the disorder-induced losses of high-Q photonic crystal cavities. *Optics Express*, **2013**, 21, 28233-45	3.3	44
195	Integrated photonics on silicon with wide bandgap GaN semiconductor. *Applied Physics Letters*, **2013**, 102, 081120	3.4	47

194	High quality factor two dimensional GaN photonic crystal cavity membranes grown on silicon substrate. *Applied Physics Letters*, **2012**, 100, 071103	3.4	50
193	Numerical modelling of optical trapping in hollow photonic crystal cavities. *Optical and Quantum Electronics*, **2012**, 44, 161-167	2.4	1
192	Near-infrared characterization of gallium nitride photonic-crystal waveguides and cavities. *Optics Letters*, **2012**, 37, 4588-90	3	23
191	Polariton superfluids reveal quantum hydrodynamic solitons. *Science*, **2011**, 332, 1167-70	33.3	318
190	Complex-coupled photonic crystal THz lasers with independent loss and refractive index modulation. *Optics Express*, **2011**, 19, 10707-13	3.3	26
189	All-optical control of the quantum flow of a polariton condensate. *Nature Photonics*, **2011**, 5, 610-614	33.9	120
188	Inhibited emission of electromagnetic modes confined in subwavelength cavities. *Physical Review B* , **2011**, 84,	3.3	7
187	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	1.3	13
186	Exciton-polariton spin switches. *Nature Photonics*, **2010**, 4, 361-366	33.9	256
185	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, 093104	2.5	21
184	Light engineering of the polariton landscape in semiconductor microcavities. *Physical Review B*, **2010**, 82,	3.3	84
183	Spin rings in bistable planar semiconductor microcavities. *Physical Review Letters*, **2010**, 105, 216403	7.4	50
182	Quantum fluid properties of polaritons in semiconductor microcavities. *Journal of Modern Optics*, **2010**, 57, 1900-1907	1.1	2
181	Refractive index sensing with an air-slot photonic crystal nanocavity. *Optics Letters*, **2010**, 35, 2523-5	3	150
180	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	1.7	5
179	Superfluidity in polariton condensates. *Journal of Physics: Conference Series*, **2010**, 210, 012060	0.3	1
178	Radiation loss of photonic crystal coupled-cavity waveguides. *Applied Physics Letters*, **2009**, 95, 111105	3.4	10
177	Fourier space imaging of light localization at a photonic band-edge located below the light cone. *Physical Review B*, **2009**, 79,	3.3	17

176	Theoretical Investigation of the Radiation Pattern From LEDs Incorporating Shallow Photonic Crystals. *IEEE Journal of Quantum Electronics*, **2009**, 45, 1273-1283	2	10
175	Superfluidity of polaritons in semiconductor microcavities. *Nature Physics*, **2009**, 5, 805-810	16.2	628
174	Experimental observation of slow mode dispersion in photonic crystal coupled-cavity waveguides. *Optics Letters*, **2009**, 34, 359-61	3	33
173	Off-chip beam steering with a one-dimensional optical phased array on silicon-on-insulator. *Optics Letters*, **2009**, 34, 1477-9	3	162
172	Light transport regimes in slow light photonic crystal waveguides. *Physical Review B*, **2009**, 80,	3.3	52
171	Bloch mode excitation in two-dimensional photonic crystals imaged by Fourier optics. *Physical Review B*, **2009**, 79,	3.3	5
170	Coupling length of silicon-on-insulator directional couplers probed by Fourier-space imaging. *Applied Physics Letters*, **2008**, 92, 151106	3.4	3
169	Local infiltration of planar photonic crystals with UV-curable polymers. *Journal of the Optical Society of America B: Optical Physics*, **2008**, 25, 1562	1.7	26
168	Terahertz quantum cascade lasers based on two-dimensional photonic crystal resonators. *Optics Express*, **2008**, 16, 5206-17	3.3	47
167	Influence of residual disorder on the anticrossing of Bloch modes probed in k space. *Physical Review B*, **2008**, 78,	3.3	20
166	Phase-sensitive Fourier space imaging of optical Bloch modes. *Physical Review B*, **2008**, 77,	3.3	7
165	Spectral tuning and near-field imaging of photonic crystal microcavities. *Physical Review B*, **2008**, 78,	3.3	54
164	Near-field mapping of quantum dot emission from single-photonic crystal cavity modes. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1965-1967	3	5
163	Towards a LED based on a photonic crystal nanocavity for single photon sources at telecom wavelength. *Microelectronic Engineering*, **2008**, 85, 1162-1165	2.5	3
162	Near Infrared Optical Characterization Techniques for Photonic Crystals **2008**, 173-192		
161	Fabrication and characterization of point defect photonic crystal nanocavities at telecom wavelength. *Microelectronic Engineering*, **2007**, 84, 1480-1483	2.5	5
160	Telecom-wavelength single-photon sources for quantum communications. *Journal of Physics Condensed Matter*, **2007**, 19, 225005	1.8	9
159	Characterization of the feature-size dependence in Ar□l2 chemically assisted ion beam etching of InP-based photonic crystal devices. *Journal of Vacuum Science & Technology B*, **2007**, 25, 1		17

158	Multi-wavelength operation and vertical emission in THz quantum-cascade lasersa). *Journal of Applied Physics*, **2007**, 101, 081726	2.5	10
157	Enhanced spontaneous emission rate from single InAs quantum dots in a photonic crystal nanocavity at telecom wavelengths. *Applied Physics Letters*, **2007**, 91, 123115	3.4	31
156	Small optical volume terahertz emitting microdisk quantum cascade lasers. *Applied Physics Letters*, **2007**, 90, 141114	3.4	48
155	Grating-assisted superresolution of slow waves in Fourier space. *Physical Review B*, **2007**, 76,	3.3	18
154	Cointegration of Gate-All-Around MOSFETs and Local Silicon-on-Insulator Optical Waveguides on Bulk Silicon. *IEEE Nanotechnology Magazine*, **2007**, 6, 118-125	2.6	8
153	Self-collimating photonic crystal polarization beam splitter. *Optics Letters*, **2007**, 32, 530-2	3	119
152	Dispersion properties of silicon nanophotonic waveguides investigated with Fourier optics. *Optics Letters*, **2007**, 32, 2723-5	3	23
151	Optical tuning of planar photonic crystals infiltrated with organic molecules. *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 2165	1.7	25
150	Exploring light propagating in photonic crystals with Fourier optics. *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 2964	1.7	60
149	Terahertz photonic crystal quantum cascade lasers. *Optics Express*, **2007**, 15, 16818-27	3.3	70
148	Liquid crystal infiltration of InP-based planar photonic crystals. *Journal of Applied Physics*, **2006**, 99, 103105	2.5	22
147	Planar photonic crystals infiltrated with liquid crystals: optical characterization of molecule orientation. *Optics Letters*, **2006**, 31, 1238-40	3	33
146	Disorder-induced losses in planar photonic crystals. *Optics Letters*, **2006**, 31, 1426-8	3	24
145	Quantum dot photonic crystal nanocavities at 1300 nm for telecom-wavelength single-photon sources. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 3693-3696		25
144	Codirectional couplers in GaAs-based planar photonic crystals. *Applied Physics Letters*, **2005**, 86, 081108	3.4	2
143	Fourier analysis of Bloch wave propagation in photonic crystals. *Journal of the Optical Society of America B: Optical Physics*, **2005**, 22, 1179	1.7	40
142	Design, fabrication and optical characterization of quantum cascade lasers at terahertz frequencies using photonic crystal reflectors. *Optics Express*, **2005**, 13, 8960-8	3.3	46
141	Spontaneous emission enhancement at a photonic wire miniband edge. *Optics Letters*, **2005**, 30, 2113-5	3	6

140	Spontaneous emission enhancement of quantum dots in a photonic crystal wire. *Physical Review Letters*, **2005**, 95, 183901	7.4	73
139	Bloch wave propagation in two-dimensional photonic crystals: Influence of the polarization. *Optical and Quantum Electronics*, **2005**, 37, 293-307	2.4	6
138	Early stages of continuous wave experiments on cavity-polaritons. *Physica Status Solidi (B): Basic Research*, **2005**, 242, 2167-2196	1.3	45
137	MBE growth of high finesse microcavities. *Physica Status Solidi (B): Basic Research*, **2005**, 242, 2157-2166	1.3	4
136	Propagation loss measurements and Fabry-Pérot mode analysis using out-of-plane light scattering in photonic crystal waveguides. *Applied Physics Letters*, **2005**, 86, 111111	3.4	4
135	Fourier analysis of Bloch wave propagation in two-dimensional photonic crystals **2004**, 5450, 150		
134	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		24
133	Publisher's Note: Squeezing in semiconductor microcavities in the strong-coupling regime [Phys. Rev. A 69, 031802 (2004)]. *Physical Review A*, **2004**, 69,	2.6	4
132	Temperature tuning of the optical properties of planar photonic crystal microcavities. *Applied Physics Letters*, **2004**, 84, 846-848	3.4	71
131	Internal light source technique free from reabsorption losses for optical characterization of planar photonic crystals. *Applied Physics Letters*, **2004**, 85, 5131-5133	3.4	4
130	Minimization of out-of-plane losses in planar photonic crystals by optimizing the vertical waveguide. *Applied Physics Letters*, **2004**, 85, 3998-4000	3.4	15
129	Ab initio tight-binding approach to photonic-crystal based coupled cavity waveguides. *Journal of Applied Physics*, **2004**, 95, 806-809	2.5	9
128	Fabrication of low loss two-dimensional InP photonic crystals by inductively coupled plasma etching. *Journal of Applied Physics*, **2004**, 95, 2242-2245	2.5	56
127	Low-loss photonic crystal and monolithic InP integration: bands, bends, lasers, and filters **2004**, 5360, 119		1
126	Polariton scattering processes under resonant excitation in a strongly coupled semiconductor microcavity. *Semiconductor Science and Technology*, **2004**, 19, 1104-1112	1.8	
125	Squeezing in semiconductor microcavities in the strong-coupling regime. *Physical Review A*, **2004**, 69,	2.6	67
124	Recent results and latest views on microcavity LEDs **2004**, 5366, 1		7
123	Toward real-world devices in InP-based PCs **2004**, 5360, 77		1

122	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	1.7	63
121	Coupled-mode theory and propagation losses in photonic crystal waveguides. *Optics Express*, **2003**, 11, 1490-6	3.3	87
120	Omnidirectional and compact guided light extraction from Archimedean photonic lattices. *Applied Physics Letters*, **2003**, 83, 1283-1285	3.4	57
119	Hole depth- and shape-induced radiation losses in two-dimensional photonic crystals. *Applied Physics Letters*, **2003**, 82, 1009-1011	3.4	30
118	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	3.8	56
117	Collisional Broadening of Semiconductor Microcavity Polaritons. *Physica Status Solidi A*, **2002**, 190, 435-440		2
116	Microcavity light emitting diodes as efficient planar light emitters for telecommunication applications. *Comptes Rendus Physique*, **2002**, 3, 3-14	1.4	2
115	Strong coupling regime in semiconductor microcavities. *Comptes Rendus Physique*, **2002**, 3, 15-27	1.4	3
114	High extraction efficiency, laterally injected, light emitting diodes combining microcavities and photonic crystals. *Optical and Quantum Electronics*, **2002**, 34, 79-89	2.4	17
113	Excitation-induced coherence in a semiconductor microcavity. *Physical Review B*, **2002**, 66,	3.3	8
112	Transmission spectroscopy of photonic crystal based waveguides with resonant cavities. *Journal of Applied Physics*, **2002**, 91, 4791-4794	2.5	15
111	Nanofabrication of high quality photonic crystals for integrated optics circuits. *Nanotechnology*, **2002**, 13, 341-345	3.4	14
110	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	1.7	15
109	Improved 60/spl deg/ bend transmission of submicron-width waveguides defined in two-dimensional photonic crystals. *Journal of Lightwave Technology*, **2002**, 20, 1198-1203	4	35
108	Tuning InAs/GaAs quantum dot properties under Stranski-Krastanov growth mode for 1.3 Ìm applications. *Journal of Applied Physics*, **2002**, 91, 6710	2.5	85
107	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	2	38
106	Optical study of two-dimensional InP-based photonic crystals by internal light source technique. *IEEE Journal of Quantum Electronics*, **2002**, 38, 786-799	2	48
105	. *IEEE Journal of Quantum Electronics*, **2002**, 38, 816-824	2	14

104	Optical characterisation of 2D InP-based photonic crystals fabricated by inductively coupled plasma etching. *Electronics Letters*, **2002**, 38, 962	1.1	14
103	Linear response and Rayleigh scattering of cavity-polaritons. *Physica E: Low-Dimensional Systems and Nanostructures*, **2001**, 11, 198-204	3	3
102	Coupled guide and cavity in a two-dimensional photonic crystal. *Applied Physics Letters*, **2001**, 78, 1487-1489	3.4	76
101	Resonant and nonresonant transmission through waveguide bends in a planar photonic crystal. *Applied Physics Letters*, **2001**, 79, 2514-2516	3.4	43
100	Parametric polariton amplification in semiconductor microcavities. *Physical Review Letters*, **2001**, 87, 127403	7.4	63
99	Miniband transmission in a photonic crystal coupled-resonator optical waveguide. *Optics Letters*, **2001**, 26, 1019-21	3	137
98	Structural and electrooptical characteristics of quantum dots emitting at 1.3 /spl mu/m on gallium arsenide. *IEEE Journal of Quantum Electronics*, **2001**, 37, 1050-1058	2	25
97	Mini-stopbands of a one-dimensional system: The channel waveguide in a two-dimensional photonic crystal. *Physical Review B*, **2001**, 63,	3.3	118
96	Optical study of 2D photonic crystals in an InP/GaInAsP slab waveguide structure. *Materials Research Society Symposia Proceedings*, **2001**, 694, 1		
95	Nonlinear reflectivity of strongly coupled exciton–photon systems under resonant and non-resonant pumping. *Journal of Luminescence*, **2000**, 85, 261-270	3.8	1
94	Linear and non-linear behavior of cavity polaritons. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 7, 625-630	3	5
93	Overview of fundamentals and applications of electrons, excitons and photons in confined structures. *Journal of Luminescence*, **2000**, 85, 271-293	3.8	82
92	Design and characterization of top-emitting microcavity light-emitting diodes. *Semiconductor Science and Technology*, **2000**, 15, 145-154	1.8	8
91	Coherence effects in light scattering of two-dimensional photonic disordered systems: Elastic scattering of cavity polaritons. *Physical Review B*, **2000**, 61, R13333-R13336	3.3	65
90	Nonlinear emission of semiconductor microcavities in the strong coupling regime. *Physical Review Letters*, **2000**, 85, 2793-6	7.4	103
89	Diffraction of cylindrical Bragg reflectors surrounding an in-plane semiconductor microcavity. *Physical Review B*, **2000**, 61, 4806-4812	3.3	21
88	Spontaneous emission model of lateral light extraction from heterostructure light-emitting diodes. *Applied Physics Letters*, **2000**, 76, 3179-3181	3.4	7
87	Low-loss channel waveguides with two-dimensional photonic crystal boundaries. *Applied Physics Letters*, **2000**, 77, 2813-2815	3.4	137

86	Direct observation of an ac Stark splitting in semiconductor microcavities excited above the continuum onset. *Physical Review B*, **2000**, 61, R5113-R5116	3.3	6
85	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	1.7	69
84	Directionally dependent confinement in photonic-crystal microcavities. *Journal of the Optical Society of America B: Optical Physics*, **2000**, 17, 2043	1.7	22
83	Time-resolved optical characterization of InAs/InGaAs quantum dots emitting at 1.3 μm. *Applied Physics Letters*, **2000**, 76, 3430-3432	3.4	74
82	Scanning-tunneling-microscopy-induced optical spectroscopy of a single GaAs quantum well. *Applied Physics Letters*, **2000**, 77, 3992-3994	3.4	7
81	Near-infrared microcavities confined by two-dimensional photonic bandgap crystals. *Electronics Letters*, **1999**, 35, 228	1.1	44
80	AlGaInP-based microcavity light-emitting diodes: Controlled on-wafer detuning and measurement of the internal quantum efficiency. *Applied Physics Letters*, **1999**, 75, 4052-4054	3.4	6
79	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	16
78	Lasing properties of disk microcavity based on a circular Bragg reflector. *Applied Physics Letters*, **1999**, 75, 3051-3053	3.4	26
77	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	3.3	80
76	Diffraction efficiency and guided light control by two-dimensional photonic-bandgap lattices. *IEEE Journal of Quantum Electronics*, **1999**, 35, 1045-1052	2	32
75	Optical and confinement properties of two-dimensional photonic crystals. *Journal of Lightwave Technology*, **1999**, 17, 2063-2077	4	176
74	Waveguide Microcavities with Photonic Crystal Mirrors. *Optics and Photonics News*, **1999**, 10, 22	1.9	
73	In-plane microcavity resonators with two-dimensional photonic bandgap mirrors. *IEE Proceedings: Optoelectronics*, **1998**, 145, 373-378		22
72	Exciton-Photon Dynamics in Weakly and Strongly Excited Semiconductor Microcavities. *Physica Status Solidi (B): Basic Research*, **1998**, 206, 375-386	1.3	2
71	Photoquenching of excitonic inhomogeneous linewidth in semiconductor microcavities. *Solid State Communications*, **1998**, 106, 485-489	1.6	5
70	Photoluminescence efficiency of semiconductor-microcavity-polaritons far from resonance. *Solid State Communications*, **1998**, 106, 711-714	1.6	4
69	Influence of Structural Disorder and Light Coupling on the Excitonic Response of Semiconductor Microcavities. *Physical Review Letters*, **1998**, 80, 4795-4798	7.4	98

68	High-finesse disk microcavity based on a circular Bragg reflector. *Applied Physics Letters*, **1998**, 73, 1314-1316	3.4	51
67	Nonlinear reflectivity of semiconductor microcavities in the weak- and strong-coupling regimes: Experiment and theory. *Physical Review B*, **1998**, 57, 9957-9964	3.3	4
66	Strongly Driven Semiconductor Microcavities: From the Polariton Doublet to an ac Stark Triplet. *Physical Review Letters*, **1998**, 80, 4733-4736	7.4	63
65	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	2.9	12
64	Resonant Rayleigh scattering versus incoherent luminescence in semiconductor microcavities. *Physical Review B*, **1998**, 58, R10175-R10178	3.3	38
63	Coherent exciton-photon dynamics in semiconductor microcavities:The influence of inhomogeneous broadening. *Physical Review B*, **1997**, 55, 7084-7090	3.3	45
62	Resonant photoluminescence of semiconductor microcavities:The role of acoustic phonons in polariton relaxation. *Physical Review B*, **1997**, 55, R4867-R4870	3.3	27
61	Magnetopolaritons in a semiconductor quantum well microcavity. *Physical Review B*, **1997**, 56, 4068-4074	3.3	18
60	Use of guided spontaneous emission of a semiconductor to probe the optical properties of two-dimensional photonic crystals. *Applied Physics Letters*, **1997**, 71, 738-740	3.4	60
59	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	7.4	173
58	Dual-wavelength laser emission from a coupled semiconductor microcavity. *Applied Physics Letters*, **1997**, 71, 864-866	3.4	86
57	Optical Stark Effect and Coherent Gain of Excitons in a Semiconductor Microcavity. *Physica Status Solidi A*, **1997**, 164, 23-27		1
56	Relaxation of microcavity polariton. *Superlattices and Microstructures*, **1997**, 22, 389-392	2.8	4
55	Cavity-polariton photoluminescence in semiconductor microcavities: Experimental evidence. *Physical Review B*, **1996**, 53, 10995-11007	3.3	107
54	Photoluminescence intensity in a semiconductor microcavity. *Solid State Communications*, **1996**, 99, 317-321	1.7	8
53	Semiconductor microcavity under magnetic field: From the weak coupling to the strong coupling regime. *Solid-State Electronics*, **1996**, 40, 497-500	1.7	2
52	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	2.6	217
51	Recent progress in semiconductor microcavities. *Physica Scripta*, **1996**, T66, 121-125	2.6	3

50	Cathodoluminescence investigations of three-dimensional island formation in InAsInP quantum wells. *Journal of Crystal Growth*, **1995**, 147, 27-34	1.6	20
49	Molecular beam epitaxy growth of an ultrahigh finesse microcavity. *Journal of Crystal Growth*, **1995**, 150, 1313-1317	1.6	6
48	Saturation of the strong-coupling regime in a semiconductor microcavity: Free-carrier bleaching of cavity polaritons. *Physical Review B*, **1995**, 52, 7810-7813	3.3	172
47	Observation of the integer quantum Hall effect by magnetic coupling to a Corbino ring. *Physical Review B*, **1995**, 51, 9752-9756	3.3	22
46	Strain and alloying effects on the electronic and vibrational properties of InyAl1-yAs on InP. *Journal of Applied Physics*, **1995**, 78, 470-477	2.5	22
45	From Fermi's Golden Rule to the Vacuum Rabi Splitting: Magnetopolaritons in a Semiconductor Optical Microcavity. *Physical Review Letters*, **1995**, 74, 3967-3970	7.4	83
44	. *IEEE Transactions on Instrumentation and Measurement*, **1995**, 44, 254-257	5.2	22
43	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		3
42	As/P interdiffusion in ultrathin InAs/InP strained quantum wells. *Applied Physics Letters*, **1994**, 65, 341-343	3.4	15
41	Measurement of cavity polariton dispersion curve. *Superlattices and Microstructures*, **1994**, 15, 263	2.8	4
40	Dynamics of island formation in the growth of InAs/InP quantum wells. *Journal of Crystal Growth*, **1994**, 136, 278-281	1.6	32
39	Measurement of cavity-polariton dispersion curve from angle resolved photoluminescence experiments. *Physical Review Letters*, **1994**, 73, 2043-2046	7.4	364
38	Ultrahigh finesse microcavity with distributed Bragg reflectors. *Applied Physics Letters*, **1994**, 65, 1883-1885	3.4	92
37	Coupled semiconductor microcavities. *Applied Physics Letters*, **1994**, 65, 2093-2095	3.4	122
36	Room-temperature cavity polaritons in a semiconductor microcavity. *Physical Review B*, **1994**, 49, 16761-16764	3.3	188
35	Magneto luminescence of As-grown InAs/InP quantum well islands. *Physica Scripta*, **1994**, T54, 81-83	2.6	
34	Interface roughness in quantum wells prepared with growth interruptions. *Applied Physics Letters*, **1993**, 62, 843-845	3.4	18
33	Artificial band discontinuities at GaAs homojunctions. *Physical Review B*, **1993**, 47, 6455-6459	3.3	24

32	Impurity modes in one-dimensional periodic systems: The transition from photonic band gaps to microcavities. *Physical Review A*, **1993**, 48, 2246-2250	2.6	55
31	Room temperature exciton-photon Rabi splitting in a semiconductor microcavity. *European Physical Journal Special Topics*, **1993**, 03, 51-58		32
30	Formation and optical properties of islands in ultra-thin InAs/InP quantum wells grown by chemical beam epitaxy. *Superlattices and Microstructures*, **1993**, 13, 67-70	2.8	20
29	Optical anisotropy due to exciton polaritons in Al1□GaxAs-GaAs quantum wells. *Solid State Communications*, **1993**, 86, 43-46	1.6	3
28	Spatial optical beam steerin with an AlGaAs integrated phased array. *Applied Optics*, **1993**, 32, 3220-32	1.7	32
27	Measurements of Al-AlInAs Schottky barriers prepared in situ by molecular beam epitaxy. *Applied Physics Letters*, **1992**, 60, 1099-1101	3.4	13
26	InGaAs/GaAs vertical cavity surface emitting laser with hybrid top mirror. *Microelectronic Engineering*, **1992**, 18, 267-272	2.5	1
25	Raman study of a single InP/InAs/InP strained quantum well. *Solid State Communications*, **1992**, 84, 705-709		13
24	Effect of growth interruptions on ultra-thin InAs/InP quantum wells grown by chemical beam epitaxy. *Journal of Crystal Growth*, **1992**, 120, 155-156	1.6	5
23	Photoemission from AlGaAs/GaAs superlattices. *Applied Surface Science*, **1992**, 56-58, 632-636	6.7	
22	Growth of GaInAs by chemical beam epitaxy. *Journal of Crystal Growth*, **1991**, 107, 1057-1059	1.6	8
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