Isabelle Sagnes

List of Publications by Year
in descending order

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673	17,330	16437 64	23514 111
papers	citations	h-index	g-index

677	677	677	10276
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Near-optimal single-photon sources in the solid state. Nature Photonics, 2016, 10, 340-345.	15.6	858
2	Lasing in topological edge states of a one-dimensional lattice. Nature Photonics, 2017, 11, 651-656.	15.6	625
3	Ultrabright source of entangled photon pairs. Nature, 2010, 466, 217-220.	13.7	501
4	Spontaneous formation and optical manipulation of extended polariton condensates. Nature Physics, 2010, 6, 860-864.	6.5	431
5	Polariton Laser Using Single Micropillar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>GaAs</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mi>GaAlAs</mml:mi></mml:math>Semiconductor Cavities. Physical Review Letters, 2008, 100, 047401.	2.9	394
6	Direct Observation of Dirac Cones and a Flatband in a Honeycomb Lattice for Polaritons. Physical Review Letters, 2014, 112, 116402.	2.9	352
7	Bright solid-state sources of indistinguishable single photons. Nature Communications, 2013, 4, 1425.	5.8	309
8	Controlled Light-Matter Coupling for a Single Quantum Dot Embedded in a Pillar Microcavity Using Far-Field Optical Lithography. Physical Review Letters, 2008, 101, 267404.	2.9	264
9	Bosonic Condensation and Disorder-Induced Localization in a Flat Band. Physical Review Letters, 2016, 116, 066402.	2.9	246
10	Macroscopic quantum self-trapping and Josephson oscillations of exciton polaritons. Nature Physics, 2013, 9, 275-279.	6.5	244
11	Sub-500-fs soliton-like pulse in a passively mode-locked broadband surface-emitting laser with 100 mW average power. Applied Physics Letters, 2002, 80, 3892-3894.	1.5	202
12	Temporal solitons and pulse compression in photonic crystal waveguides. Nature Photonics, 2010, 4, 862-868.	15.6	196
13	Hybrid indium phosphide-on-silicon nanolaser diode. Nature Photonics, 2017, 11, 297-300.	15.6	176
14	Strong Light-Matter Coupling in Subwavelength Metal-Dielectric Microcavities at Terahertz Frequencies. Physical Review Letters, 2009, 102, 186402.	2.9	171
15	Enhancement of second-harmonic generation in a one-dimensional semiconductor photonic band gap. Applied Physics Letters, 2001, 78, 3021-3023.	1.5	161
16	Optical absorption evidence of a quantum size effect in porous silicon. Applied Physics Letters, 1993, 62, 1155-1157.	1.5	156
17	Optical properties of metal-dielectric-metal microcavities in the THz frequency range. Optics Express, 2010, 18, 13886.	1.7	156
18	Polariton condensation in solitonic gap states in a one-dimensional periodic potential. Nature Communications, 2013, 4, 1749.	5.8	155

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19	Boson Sampling with Single-Photon Fock States from a Bright Solid-State Source. Physical Review Letters, 2017, 118, 130503.	2.9	155
20	Optomechanical Coupling in a Two-Dimensional Photonic Crystal Defect Cavity. Physical Review Letters, 2011, 106, 203902.	2.9	149
21	Ultra-low-threshold continuous-wave and pulsed lasing in tensile-strained GeSn alloys. Nature Photonics, 2020, 14, 375-382.	15.6	145
22	Interactions in Confined Polariton Condensates. Physical Review Letters, 2011, 106, 126401.	2.9	144
23	Spontaneous mirror-symmetry breaking in coupled photonic-crystal nanolasers. Nature Photonics, 2015, 9, 311-315.	15.6	142
24	Probing a Dissipative Phase Transition via Dynamical Optical Hysteresis. Physical Review Letters, 2017, 118, 247402.	2.9	142
25	Relative Refractory Period in an Excitable Semiconductor Laser. Physical Review Letters, 2014, 112, 183902.	2.9	138
26	Spin-Orbit Coupling for Photons and Polaritons in Microstructures. Physical Review X, 2015, 5, .	2.8	131
27	Polariton Condensation in Photonic Molecules. Physical Review Letters, 2012, 108, 126403.	2.9	124
28	All-optical phase modulation in a cavity-polariton Machâ€“Zehnder interferometer. Nature Communications, 2014, 5, 3278.	5.8	123
29	Realization of a Double-Barrier Resonant Tunneling Diode for Cavity Polaritons. Physical Review Letters, 2013, 110, 236601.	2.9	118
30	Acoustic Black Hole in a Stationary Hydrodynamic Flow of Microcavity Polaritons. Physical Review Letters, 2015, 114, 036402.	2.9	114
31	Deterministic and electrically tunable bright single-photon source. Nature Communications, 2014, 5, 3240.	5.8	110
32	Optically controlling the emission chirality of microlasers. Nature Photonics, 2019, 13, 283-288.	15.6	109
33	Propagation and Amplification Dynamics of 1D Polariton Condensates. Physical Review Letters, 2012, 109, 216404.	2.9	106
34	Scalable performance in solid-state single-photon sources. Optica, 2016, 3, 433.	4.8	106
35	Indistinguishable single photons from a single-quantum dot in a two-dimensional photonic crystal cavity. Applied Physics Letters, 2005, 87, 163107.	1.5	104
36	Fractal Energy Spectrum of a Polariton Gas in a Fibonacci Quasiperiodic Potential. Physical Review Letters, 2014, 112, 146404.	2.9	104

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37	Injection-locking of terahertz quantum cascade lasers up to 35GHz using RF amplitude modulation. Optics Express, 2010, 18, 20799.	1.7	103
38	Hybrid III-V semiconductor/silicon nanolaser. Optics Express, 2011, 19, 9221.	1.7	94
39	Phase-Matched Frequency Doubling at Photonic Band Edges: Efficiency Scaling as the Fifth Power of the Length. Physical Review Letters, 2002, 89, 043901.	2.9	93
40	Multiwattâ€“power highlyâ€“coherent compact singleâ€“frequency tunable Verticalâ€“Externalâ€“Cavityâ€“Surfaceâ€“Emittingâ€–Semiconductorâ€–Laser. Optics Express, 2010, 18, 14627.	1.7	93
41	Charge-Induced Coherence between Intersubband Plasmons in a Quantum Structure. Physical Review Letters, 2012, 109, 246808.	2.9	91
42	Electroluminescence from strain-compensated Si0.2Ge0.8/Si quantum-cascade structures based on a bound-to-continuum transition. Applied Physics Letters, 2002, 81, 4700-4702.	1.5	87
43	Optical gain in single tensile-strained germanium photonic wire. Optics Express, 2011, 19, 17925.	1.7	83
44	Orbital Edge States in a Photonic Honeycomb Lattice. Physical Review Letters, 2017, 118, 107403.	2.9	79
45	Optical Nonlinearity for Few-Photon Pulses on a Quantum Dot-Pillar Cavity Device. Physical Review Letters, 2012, 109, 166806.	2.9	77
46	Recent advances in germanium emission [Invited]. Photonics Research, 2013, 1, 102.	3.4	76
47	Experimental demonstration of a tunable dual-frequency semiconductor laser free of relaxation oscillations. Optics Letters, 2009, 34, 3421.	1.7	75
48	Tensile-strained germanium microdisks. Applied Physics Letters, 2013, 102, 221112.	1.5	75
49	Ultra-strong lightâ€“matter coupling for designer Reststrahlen band. New Journal of Physics, 2014, 16, 043029.	1.2	75
50	Interaction-induced hopping phase in driven-dissipative coupled photonic microcavities. Nature Communications, 2016, 7, 11887.	5.8	74
51	Reducing Phonon-Induced Decoherence in Solid-State Single-Photon Sources with Cavity Quantum Electrodynamics. Physical Review Letters, 2017, 118, 253602.	2.9	74
52	Restoration of photon indistinguishability in the emission of a semiconductor quantum dot. Physical Review B, 2005, 72, .	1.1	73
53	Macroscopic rotation of photon polarization induced by a single spin. Nature Communications, 2015, 6, 6236.	5.8	73
54	Near-infrared waveguide photodetector with Ge/Si self-assembled quantum dots. Applied Physics Letters, 2002, 80, 509-511.	1.5	72

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55	Allâ€Around SiN Stressor for High and Homogeneous Tensile Strain in Germanium Microdisk Cavities. Advanced Optical Materials, 2015, 3, 353-358.	3.6	72
56	Type-III and Tilted Dirac Cones Emerging from Flat Bands in Photonic Orbital Graphene. Physical Review X, 2019, 9, .	2.8	72
57	Polariton-generated intensity squeezing in semiconductor micropillars. Nature Communications, 2014, 5, 3260.	5.8	71
58	Spatiotemporal Chaos Induces Extreme Events in an Extended Microcavity Laser. Physical Review Letters, 2016, 116, 013901.	2.9	71
59	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. Physical Review B, 2017, 95, .	1.1	70
60	Origin of the Optical Emission within the Cavity Mode of Coupled Quantum Dot-Cavity Systems. Physical Review Letters, 2009, 103, 027401.	2.9	68
61	Incoherent and coherent writing and erasure of cavity solitons in an optically pumped semiconductor amplifier. Optics Letters, 2006, 31, 1504.	1.7	66
62	Realization of an all optical exciton-polariton router. Applied Physics Letters, 2015, 107, .	1.5	66
63	A solid-state single-photon filter. Nature Nanotechnology, 2017, 12, 663-667.	15.6	66
64	Electroluminescence of Ge/Si self-assembled quantum dots grown by chemical vapor deposition. Applied Physics Letters, 2000, 77, 1822.	1.5	65
65	Quantum dot-cavity strong-coupling regime measured through coherent reflection spectroscopy in a very high-Q micropillar. Applied Physics Letters, 2010, 97, .	1.5	65
66	Bright Polarized Single-Photon Source Based on a Linear Dipole. Physical Review Letters, 2021, 126, 233601.	2.9	65
67	Control of cavity solitons and dynamical states in a monolithic vertical cavity laser with saturable absorber. European Physical Journal D, 2010, 59, 91-96.	0.6	64
68	Emergence of criticality through a cascade of delocalization transitions in quasiperiodic chains. Nature Physics, 2020, 16, 832-836.	6.5	64
69	10-GHz train of sub-500-fs optical soliton-like pulses from a surface-emitting semiconductor laser. IEEE Photonics Technology Letters, 2005, 17, 267-269.	1.3	63
70	Experimental Investigation and Analytical Modeling of Excess Intensity Noise in Semiconductor Class-A Lasers. Journal of Lightwave Technology, 2008, 26, 952-961.	2.7	63
71	Micropillar Resonators for Optomechanics in the Extremely High 19â€“95-GHz Frequency Range. Physical Review Letters, 2017, 118, 263901.	2.9	63
72	Fast manipulation of laser localized structures in a monolithic vertical cavity with saturable absorber. Applied Physics B: Lasers and Optics, 2010, 98, 327-331.	1.1	62

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73	Light transport regimes in slow light photonic crystal waveguides. Physical Review B, 2009, 80, .	1.1	61
74	Cavity-enhanced two-photon interference using remote quantum dot sources. Physical Review B, 2015, 92, .	1.1	60
75	Ultra-low threshold polariton lasing in photonic crystal cavities. Applied Physics Letters, 2011, 99, .	1.5	59
76	Metal-Coated Nanocylinder Cavity for Broadband Nonclassical Light Emission. Physical Review Letters, 2010, 105, 180502.	2.9	58
77	High quality tensile-strained n-doped germanium thin films grown on InGaAs buffer layers by metal-organic chemical vapor deposition. Applied Physics Letters, 2011, 98, .	1.5	58
78	Edge states in polariton honeycomb lattices. 2D Materials, 2015, 2, 034012.	2.0	58
79	Optical Self-Organization in Bulk and Multiquantum Well GaAlAs Microresonators. Physical Review Letters, 2000, 84, 6006-6009.	2.9	55
80	Coherent manipulation of a solid-state artificial atom with few photons. Nature Communications, 2016, 7, 11986.	5.8	55
81	Electro-osmotic propulsion of helical nanobelt swimmers. International Journal of Robotics Research, 2011, 30, 806-819.	5.8	54
82	Control of tensile strain in germanium waveguides through silicon nitride layers. Applied Physics Letters, 2012, 100, 201104.	1.5	54
83	Direct Band Gap Germanium Microdisks Obtained with Silicon Nitride Stressor Layers. ACS Photonics, 2016, 3, 443-448.	3.2	54
84	Sequential generation of linear cluster states from a single photon emitter. Nature Communications, 2020, 11, 5501.	5.8	53
85	Porous silicon: material properties, visible photo- and electroluminescence. Applied Surface Science, 1993, 65-66, 394-407.	3.1	52
86	Shot-noise-limited operation of a monomode high-cavity-finesse semiconductor laser for microwave photonics applications. Optics Letters, 2007, 32, 650.	1.7	52
87	Photoluminescence quenching of a low-pressure metal-organic vapor-phase-epitaxy grown quantum dots array with bimodal inhomogeneous broadening. Journal of Applied Physics, 2002, 91, 10115.	1.1	51
88	Measurement of the coupling constant in a two-frequency VECSEL. Optics Express, 2010, 18, 5008.	1.7	51
89	Direct and indirect band gap room temperature electroluminescence of Ge diodes. Journal of Applied Physics, 2010, 108, 023105.	1.1	51
90	Superradiant Emission from a Collective Excitation in a Semiconductor. Physical Review Letters, 2015, 115, 187402.	2.9	51

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91	Active demultiplexing of single photons from a solidâ€state source. Laser and Photonics Reviews, 2017, 11, 1600297.	4.4	51
92	Semiconductor Surface Plasmon Sources. Physical Review Letters, 2010, 104, 226806.	2.9	49
93	Coupling of a surface plasmon with localized subwavelength microcavity modes. Applied Physics Letters, 2011, 98, .	1.5	49
94	Homoclinic Snaking in a Semiconductor-Based Optical System. Physical Review Letters, 2008, 101, 253902.	2.9	48
95	Microwave modulation of terahertz quantum cascade lasers: a transmission-line approach. Applied Physics Letters, 2010, 96, .	1.5	48
96	Control of light polarization using optically spin-injected vertical external cavity surface emitting lasers. Applied Physics Letters, 2013, 103, .	1.5	48
97	Highly selective and compact tunable MOEMS photonic crystal Fabry-Perot filter. Optics Express, 2006, 14, 3129.	1.7	47
98	Unstable and stable regimes of polariton condensation. Optica, 2018, 5, 1163.	4.8	47
99	Vortex Laser based on III-V semiconductor metasurface: direct generation of coherent Laguerre-Gauss modes carrying controlled orbital angular momentum. Scientific Reports, 2016, 6, 38156.	1.6	46
100	Germanium microlasers on metallic pedestals. APL Photonics, 2018, 3, .	3.0	46
101	Continuous-wave operation of photonic band-edge laser near 1.55 Âµm on silicon wafer. Optics Express, 2007, 15, 7551.	1.7	45
102	Scalable implementation of strongly coupled cavity-quantum dot devices. Applied Physics Letters, 2009, 94, .	1.5	44
103	Entangling Quantum-Logic Gate Operated with an Ultrabright Semiconductor Single-Photon Source. Physical Review Letters, 2013, 110, 250501.	2.9	44
104	Reproducibility of High-Performance Quantum Dot Single-Photon Sources. ACS Photonics, 2020, 7, 1050-1059.	3.2	44
105	Measuring propagation loss in a multimode semiconductor waveguide. Journal of Applied Physics, 2005, 97, 073105.	1.1	43
106	Thermal optimization of 1.55ÂÎ¼m OP-VECSEL with hybrid metalâ€“metamorphic mirror for single-mode high power operation. Optical and Quantum Electronics, 2008, 40, 155-165.	1.5	43
107	Heterogeneous integration and precise alignment of InP-based photonic crystal lasers to complementary metal-oxide semiconductor fabricated silicon-on-insulator wire waveguides. Journal of Applied Physics, 2010, 107, .	1.1	42
108	Photonic molecules: tailoring the coupling strength and sign. Optics Express, 2014, 22, 12359.	1.7	42

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109	Ultrafast all-optical switching and error-free 10 Gbit/s wavelength conversion in hybrid InP-silicon on insulator nanocavities using surface quantum wells. Applied Physics Letters, 2014, 104, .	1.5	42
110	Third Order Dispersion in Time-Delayed Systems. Physical Review Letters, 2019, 123, 043902.	2.9	42
111	Reduced Lasing Thresholds in GeSn Microdisk Cavities with Defect Management of the Optically Active Region. ACS Photonics, 2020, 7, 2713-2722.	3.2	42
112	Influence of the material parameters on quantum cascade devices. Applied Physics Letters, 2008, 93, 131108.	1.5	41
113	Characterization of semiconducting iron disilicide obtained by LRP/CVD. IEEE Transactions on Electron Devices, 1992, 39, 200-201.	1.6	40
114	Single-frequency cw vertical external cavity surface emitting semiconductor laser at 1003Ânm and 501Ânm by intracavity frequency doubling. Applied Physics B: Lasers and Optics, 2007, 86, 503-510.	1.1	40
115	Temporal summation in a neuromimetic micropillar laser. Optics Letters, 2015, 40, 5690.	1.7	40
116	Gap solitons in a one-dimensional driven-dissipative topological lattice. Nature Physics, 2022, 18, 678-684.	6.5	40
117	Continuous-wave versus time-resolved measurements of Purcell factors for quantum dots in semiconductor microcavities. Physical Review B, 2009, 80, .	1.1	39
118	Spatial, spectral, and polarization properties of coupled micropillar cavities. Applied Physics Letters, 2011, 99, 101103.	1.5	39
119	Phase-Controlled Bistability of a Dark Soliton Train in a Polariton Fluid. Physical Review Letters, 2016, 117, 217401.	2.9	39
120	Generation of non-classical light in a photon-number superposition. Nature Photonics, 2019, 13, 803-808.	15.6	39
121	Nonlinear Polariton Fluids in a Flatband Reveal Discrete Gap Solitons. Physical Review Letters, 2019, 123, 113901.	2.9	39
122	Optical bistability in a quantum dots/micropillar device with a quality factor exceeding 200 000. Applied Physics Letters, 2012, 100, 111111.	1.5	38
123	Optical critical coupling into highly confining metal-insulator-metal resonators. Applied Physics Letters, 2013, 103, .	1.5	38
124	Direct observation of photonic Landau levels and helical edge states in strained honeycomb lattices. Light: Science and Applications, 2020, 9, 144.	7.7	38
125	High power singleâ€“frequency continuouslyâ€“tunable compact extendedâ€“cavity semiconductor laser. Optics Express, 2009, 17, 9503.	1.7	37
126	Thermo-optical dynamics in an optically pumped Photonic Crystal nano-cavity. Optics Express, 2009, 17, 17118.	1.7	37

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127	Spontaneous nonground state polariton condensation in pillar microcavities. Physical Review B, 2010, 81, .	1.1	36
128	Higher-order photon correlations in pulsed photonic crystal nanolasers. Physical Review A, 2011, 84, .	1.0	36
129	Strain and composition of capped Ge/Si self-assembled quantum dots grown by chemical vapor deposition. Applied Physics Letters, 2000, 77, 370-372.	1.5	35
130	Ultrafast control of light emission from a quantum-well semiconductor microcavity using picosecond strain pulses. Physical Review B, 2008, 78, .	1.1	35
131	Exciton polaritons in two-dimensional photonic crystals. Physical Review B, 2009, 80, .	1.1	35
132	Deformable two-dimensional photonic crystal slab for cavity optomechanics. Optics Letters, 2011, 36, 3434.	1.7	35
133	Spike latency and response properties of an excitable micropillar laser. Physical Review E, 2016, 94, 042219.	0.8	35
134	10 Gbit s^{â^'1} Free Space Data Transmission at 9ÂÂµm Wavelength With Unipolar Quantum Optoelectronics. Laser and Photonics Reviews, 2022, 16, .	4.4	35
135	Exploration of the ultimate patterning potential achievable with focused ion beams. Microelectronic Engineering, 2005, 78-79, 266-278.	1.1	34
136	Polariton parametric luminescence in a single micropillar. Applied Physics Letters, 2007, 90, 051107.	1.5	34
137	Purcell Enhancement of Spontaneous Emission from Quantum Cascades inside Mirror-Grating Metal Cavities at THz Frequencies. Physical Review Letters, 2007, 99, 223603.	2.9	34
138	Bright Phonon-Tuned Single-Photon Source. Nano Letters, 2015, 15, 6290-6294.	4.5	34
139	InAsâ•InP(001) quantum dots emitting at 1.55Î¼m grown by low-pressure metalorganic vapor-phase epitaxy. Applied Physics Letters, 2005, 87, 253114.	1.5	33
140	Midinfrared Ultrastrong Lightâ€“Matter Coupling for THz Thermal Emission. ACS Photonics, 2017, 4, 2550-2555.	3.2	33
141	High performance 1.55â€…[micro sign]m vertical external cavity surface emitting laser with broadband integrated dielectric-metal mirror. Electronics Letters, 2004, 40, 734.	0.5	32
142	Direct growth of GaAs-based structures on exactly (001)-oriented Ge/Si virtual substrates: reduction of the structural defect density and observation of electroluminescence at room temperature under CW electrical injection. Journal of Crystal Growth, 2004, 265, 53-59.	0.7	32
143	Hong-Ou-Mandel Interference with Imperfect Single Photon Sources. Physical Review Letters, 2021, 126, 063602.	2.9	32
144	Nonlinear mechanics with suspended nanomembranes. Europhysics Letters, 2012, 100, 68005.	0.7	31

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145	Intensity noise correlations in a two-frequency VECSEL. Optics Express, 2013, 21, 2538.	1.7	31
146	Picosecond pulse generation with 1.5â€…[micro sign]m passively modelocked surface-emitting semiconductor laser. Electronics Letters, 2003, 39, 846.	0.5	30
147	Direct observation of the class-B to class-A transition in the dynamical behavior of a semiconductor laser. Europhysics Letters, 2009, 87, 44005.	0.7	30
148	Demonstration of coherent emission from high-Î² photonic crystal nanolasers at room temperature. Optics Letters, 2010, 35, 1154.	1.7	30
149	Atomic-plane-thick reconstruction across the interface during heteroepitaxial bonding of InP-clad quantum wells on silicon. Applied Physics Letters, 2013, 102, .	1.5	30
150	Interfacing scalable photonic platforms: solid-state based multi-photon interference in a reconfigurable glass chip. Optica, 2019, 6, 1471.	4.8	30
151	Designing novel organogermanium OMVPE precursors for high-purity germanium films. Journal of Crystal Growth, 2006, 287, 684-687.	0.7	29
152	Submicron-diameter semiconductor pillar microcavities with very high quality factors. Applied Physics Letters, 2007, 90, 091120.	1.5	29
153	III-V photonic crystal wire cavity laser on silicon wafer. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2146.	0.9	29
154	Low-Noise Dual-Frequency Laser for Compact Cs Atomic Clocks. Journal of Lightwave Technology, 2014, 32, 3817-3823.	2.7	29
155	Nonequilibrium polariton condensate in a magnetic field. Physical Review B, 2015, 91, .	1.1	29
156	Semi-Dirac Transport and Anisotropic Localization in Polariton Honeycomb Lattices. Physical Review Letters, 2020, 125, 186601.	2.9	29
157	Unequivocal Differentiation of Coherent and Chaotic Light through Interferometric Photon Correlation Measurements. Physical Review Letters, 2013, 110, 163603.	2.9	28
158	Coherent continuous-wave dual-frequency high-Q external-cavity semiconductor laser for GHzâ€“THz applications. Optics Letters, 2016, 41, 3751.	1.7	28
159	Investigation of optical properties of free-standing porous silicon films by absorption and mirage effect. Journal of Luminescence, 1993, 57, 217-221.	1.5	27
160	Intersubband absorption performed on p-type modulation-doped Si0.2Ge0.8/Si quantum wells grown on Si0.5Ge0.5 pseudosubstrate. Applied Physics Letters, 2002, 80, 3274-3276.	1.5	27
161	Room temperature laser operation of strained InGaAsâˆ•GaAs QW structure monolithically grown by MOVCD on LE-PECVD Geâˆ•Si virtual substrate. Electronics Letters, 2003, 39, 1658.	0.5	27
162	Room-temperature continuous-wave laser operation of electrically-pumped 1.55â€…[micro sign]m VECSEL. Electronics Letters, 2004, 40, 671.	0.5	27

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163	Optical self-organization and cavity solitons in optically pumped semiconductor microresonators. Physical Review A, 2006, 74, .	1.0	27
164	Metal organic vapor phase epitaxy of InAsP/InP(001) quantum dots for 1.55Î¼m applications: Growth, structural, and optical properties. Journal of Applied Physics, 2008, 104, 043504.	1.1	27
165	Single InAs<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>P<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>/InP quantum dots a	1.1	27
166	Nonlinear gallium phosphide nanoscale photonics [Invited]. Photonics Research, 2018, 6, B43.	3.4	27
167	A new concept for tunable long wavelength VCSEL. Optics Communications, 2003, 222, 341-350.	1.0	26
168	Dynamics of band-edge photonic crystal lasers. Optics Express, 2009, 17, 3165.	1.7	26
169	A semiconductor laser device for the generation of surface-plasmons upon electrical injection. Optics Express, 2009, 17, 9391.	1.7	26
170	Bimodal distribution of Indium composition in arrays of low-pressure metalorganic-vapor-phase-epitaxy grown InGaAs/GaAs quantum dots. Applied Physics Letters, 2001, 79, 2157-2159.	1.5	25
171	Siliconâ€“onâ€“insulator waveguide photodetector with Ge/Si self-assembled islands. Journal of Applied Physics, 2002, 92, 1858-1861.	1.1	25
172	Low-cost electrothermally tunable optical microcavities based on GaAs. IEEE Photonics Technology Letters, 2002, 14, 1566-1568.	1.3	25
173	Efficient coupling to W1 photonic crystal waveguide on InP membrane through suspended access guides. Applied Physics Letters, 2008, 92, 061105.	1.5	25
174	Field localization and enhancement of phase-locked second- and third-order harmonic generation in absorbing semiconductor cavities. Physical Review A, 2009, 80, .	1.0	25
175	Single-frequency external-cavity semiconductor ring-laser gyroscope. Optics Letters, 2009, 34, 97.	1.7	25
176	Frequency cavity pulling induced by a single semiconductor quantum dot. Physical Review B, 2014, 89, .	1.1	25
177	Spontaneous emission in highly excited semiconductors: Saturation of the radiative recombination rate. Journal of Applied Physics, 2002, 92, 6595-6600.	1.1	24
178	Surface-emitting quantum cascade lasers with metallic photonic-crystal resonators. Applied Physics Letters, 2009, 94, 221101.	1.5	24
179	Dark current investigation in thin P-i-N InGaAs photodiodes for nano-resonators. Journal of Applied Physics, 2016, 120, 084501.	1.1	24
180	Ge/Si self-assembled quantum dots grown on Si(001) in an industrial high-pressure chemical vapor deposition reactor. Journal of Applied Physics, 1999, 86, 1145-1148.	1.1	23

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181	Terahertz polariton sidebands generated by ultrafast strain pulses in an optical semiconductor microcavity. Physical Review B, 2009, 80, .	1.1	23
182	Polariton parametric oscillation in a single micropillar cavity. Applied Physics Letters, 2010, 97, .	1.5	23
183	Small volume excitation and enhancement of dye fluorescence on a 2D photonic crystal surface. Optics Express, 2010, 18, 3693.	1.7	23
184	Accurate measurement of the residual birefringence in VECSEL: Towards understanding of the polarization behavior under spin-polarized pumping. Optics Express, 2015, 23, 9573.	1.7	23
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