

Isabelle Sagnes

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

475
papers

13,099
citations

56
h-index

95
g-index

677
ext. papers

15,745
ext. citations

4.9
avg, IF

6.08
L-index

#	Paper	IF	Citations
475	Near-optimal single-photon sources in the solid state. <i>Nature Photonics</i> , 2016 , 10, 340-345	33.9	603
474	Ultrabright source of entangled photon pairs. <i>Nature</i> , 2010 , 466, 217-20	50.4	413
473	Lasing in topological edge states of a one-dimensional lattice. <i>Nature Photonics</i> , 2017 , 11, 651-656	33.9	390
472	Spontaneous formation and optical manipulation of extended polariton condensates. <i>Nature Physics</i> , 2010 , 6, 860-864	16.2	375
471	Polariton laser using single micropillar GaAs-GaAlAs semiconductor cavities. <i>Physical Review Letters</i> , 2008 , 100, 047401	7.4	339
470	Direct observation of Dirac cones and a flatband in a honeycomb lattice for polaritons. <i>Physical Review Letters</i> , 2014 , 112, 116402	7.4	271
469	Bright solid-state sources of indistinguishable single photons. <i>Nature Communications</i> , 2013 , 4, 1425	17.4	257
468	Controlled light-matter coupling for a single quantum dot embedded in a pillar microcavity using far-field optical lithography. <i>Physical Review Letters</i> , 2008 , 101, 267404	7.4	222
467	Macroscopic quantum self-trapping and Josephson oscillations of exciton polaritons. <i>Nature Physics</i> , 2013 , 9, 275-279	16.2	194
466	Bosonic Condensation and Disorder-Induced Localization in a Flat Band. <i>Physical Review Letters</i> , 2016 , 116, 066402	7.4	190
465	Sub-500-fs soliton-like pulse in a passively mode-locked broadband surface-emitting laser with 100 mW average power. <i>Applied Physics Letters</i> , 2002 , 80, 3892-3894	3.4	148
464	Temporal solitons and pulse compression in photonic crystal waveguides. <i>Nature Photonics</i> , 2010 , 4, 862-868	33.9	145
463	Optical absorption evidence of a quantum size effect in porous silicon. <i>Applied Physics Letters</i> , 1993 , 62, 1155-1157	3.4	137
462	Strong light-matter coupling in subwavelength metal-dielectric microcavities at terahertz frequencies. <i>Physical Review Letters</i> , 2009 , 102, 186402	7.4	135
461	Optomechanical coupling in a two-dimensional photonic crystal defect cavity. <i>Physical Review Letters</i> , 2011 , 106, 203902	7.4	132
460	Enhancement of second-harmonic generation in a one-dimensional semiconductor photonic band gap. <i>Applied Physics Letters</i> , 2001 , 78, 3021-3023	3.4	129
459	Polariton condensation in solitonic gap states in a one-dimensional periodic potential. <i>Nature Communications</i> , 2013 , 4, 1749	17.4	128

458	Interactions in confined polariton condensates. <i>Physical Review Letters</i> , 2011 , 106, 126401	7.4	124
457	Hybrid indium phosphide-on-silicon nanolaser diode. <i>Nature Photonics</i> , 2017 , 11, 297-300	33.9	120
456	Boson Sampling with Single-Photon Fock States from a Bright Solid-State Source. <i>Physical Review Letters</i> , 2017 , 118, 130503	7.4	115
455	Optical properties of metal-dielectric-metal microcavities in the THz frequency range. <i>Optics Express</i> , 2010 , 18, 13886-907	3.3	114
454	Polariton condensation in photonic molecules. <i>Physical Review Letters</i> , 2012 , 108, 126403	7.4	105
453	Spontaneous mirror-symmetry breaking in coupled photonic-crystal nanolasers. <i>Nature Photonics</i> , 2015 , 9, 311-315	33.9	104
452	Realization of a double-barrier resonant tunneling diode for cavity polaritons. <i>Physical Review Letters</i> , 2013 , 110, 236601	7.4	101
451	All-optical phase modulation in a cavity-polariton Mach-Zehnder interferometer. <i>Nature Communications</i> , 2014 , 5, 3278	17.4	97
450	Spin-Orbit Coupling for Photons and Polaritons in Microstructures. <i>Physical Review X</i> , 2015 , 5,	9.1	96
449	Indistinguishable single photons from a single-quantum dot in a two-dimensional photonic crystal cavity. <i>Applied Physics Letters</i> , 2005 , 87, 163107	3.4	93
448	Relative refractory period in an excitable semiconductor laser. <i>Physical Review Letters</i> , 2014 , 112, 183902	7.4	91
447	Propagation and amplification dynamics of 1D polariton condensates. <i>Physical Review Letters</i> , 2012 , 109, 216404	7.4	90
446	Probing a Dissipative Phase Transition via Dynamical Optical Hysteresis. <i>Physical Review Letters</i> , 2017 , 118, 247402	7.4	85
445	Deterministic and electrically tunable bright single-photon source. <i>Nature Communications</i> , 2014 , 5, 3240	7.4	85
444	Scalable performance in solid-state single-photon sources. <i>Optica</i> , 2016 , 3, 433	8.6	83
443	Phase-matched frequency doubling at photonic band edges: efficiency scaling as the fifth power of the length. <i>Physical Review Letters</i> , 2002 , 89, 043901	7.4	82
442	Ultra-low-threshold continuous-wave and pulsed lasing in tensile-strained GeSn alloys. <i>Nature Photonics</i> , 2020 , 14, 375-382	33.9	81
441	Acoustic black hole in a stationary hydrodynamic flow of microcavity polaritons. <i>Physical Review Letters</i> , 2015 , 114, 036402	7.4	79

440	Hybrid III-V semiconductor/silicon nanolaser. <i>Optics Express</i> , 2011 , 19, 9221-31	3-3	77
439	Injection-locking of terahertz quantum cascade lasers up to 35GHz using RF amplitude modulation. <i>Optics Express</i> , 2010 , 18, 20799-816	3-3	77
438	Charge-induced coherence between intersubband plasmons in a quantum structure. <i>Physical Review Letters</i> , 2012 , 109, 246808	7-4	74
437	Electroluminescence from strain-compensated Si _{0.2} Ge _{0.8} /Si quantum-cascade structures based on a bound-to-continuum transition. <i>Applied Physics Letters</i> , 2002 , 81, 4700-4702	3-4	74
436	Fractal energy spectrum of a polariton gas in a Fibonacci quasiperiodic potential. <i>Physical Review Letters</i> , 2014 , 112, 146404	7-4	70
435	Optical gain in single tensile-strained germanium photonic wire. <i>Optics Express</i> , 2011 , 19, 17925-34	3-3	69
434	Recent advances in germanium emission [Invited]. <i>Photonics Research</i> , 2013 , 1, 102	6	68
433	Near-infrared waveguide photodetector with Ge/Si self-assembled quantum dots. <i>Applied Physics Letters</i> , 2002 , 80, 509-511	3-4	66
432	Restoration of photon indistinguishability in the emission of a semiconductor quantum dot. <i>Physical Review B</i> , 2005 , 72,	3-3	65
431	Optically controlling the emission chirality of microlasers. <i>Nature Photonics</i> , 2019 , 13, 283-288	33-9	64
430	Reducing Phonon-Induced Decoherence in Solid-State Single-Photon Sources with Cavity Quantum Electrodynamics. <i>Physical Review Letters</i> , 2017 , 118, 253602	7-4	64
429	Origin of the optical emission within the cavity mode of coupled quantum dot-cavity systems. <i>Physical Review Letters</i> , 2009 , 103, 027401	7-4	64
428	Tensile-strained germanium microdisks. <i>Applied Physics Letters</i> , 2013 , 102, 221112	3-4	63
427	Quantum dot-cavity strong-coupling regime measured through coherent reflection spectroscopy in a very high-Q micropillar. <i>Applied Physics Letters</i> , 2010 , 97, 241110	3-4	61
426	Optical nonlinearity for few-photon pulses on a quantum dot-pillar cavity device. <i>Physical Review Letters</i> , 2012 , 109, 166806	7-4	60
425	Multiwatt-power highly-coherent compact single-frequency tunable vertical-external-cavity-surface-emitting-semiconductor-laser. <i>Optics Express</i> , 2010 , 18, 14627-36	3-3	60
424	Electroluminescence of Ge/Si self-assembled quantum dots grown by chemical vapor deposition. <i>Applied Physics Letters</i> , 2000 , 77, 1822	3-4	60
423	All-Around SiN Stressor for High and Homogeneous Tensile Strain in Germanium Microdisk Cavities. <i>Advanced Optical Materials</i> , 2015 , 3, 353-358	8-1	59

4 ²²	Ultra-strong light-matter coupling for designer Reststrahlen band. <i>New Journal of Physics</i> , 2014 , 16, 043029	2.9	59
4 ²¹	Fast manipulation of laser localized structures in a monolithic vertical cavity with saturable absorber. <i>Applied Physics B: Lasers and Optics</i> , 2010 , 98, 327-331	1.9	57
4 ²⁰	Interaction-induced hopping phase in driven-dissipative coupled photonic microcavities. <i>Nature Communications</i> , 2016 , 7, 11887	17.4	56
4 ¹⁹	Polariton-generated intensity squeezing in semiconductor micropillars. <i>Nature Communications</i> , 2014 , 5, 3260	17.4	54
4 ¹⁸	Orbital Edge States in a Photonic Honeycomb Lattice. <i>Physical Review Letters</i> , 2017 , 118, 107403	7.4	53
4 ¹⁷	Edge states in polariton honeycomb lattices. <i>2D Materials</i> , 2015 , 2, 034012	5.9	53
4 ¹⁶	Realization of an all optical exciton-polariton router. <i>Applied Physics Letters</i> , 2015 , 107, 201115	3.4	52
4 ¹⁵	Macroscopic rotation of photon polarization induced by a single spin. <i>Nature Communications</i> , 2015 , 6, 6236	17.4	52
4 ¹⁴	High quality tensile-strained n-doped germanium thin films grown on InGaAs buffer layers by metal-organic chemical vapor deposition. <i>Applied Physics Letters</i> , 2011 , 98, 091901	3.4	52
4 ¹³	Light transport regimes in slow light photonic crystal waveguides. <i>Physical Review B</i> , 2009 , 80,	3.3	52
4 ¹²	Spatiotemporal Chaos Induces Extreme Events in an Extended Microcavity Laser. <i>Physical Review Letters</i> , 2016 , 116, 013901	7.4	50
4 ¹¹	Control of cavity solitons and dynamical states in a monolithic vertical cavity laser with saturable absorber. <i>European Physical Journal D</i> , 2010 , 59, 91-96	1.3	50
4 ¹⁰	A solid-state single-photon filter. <i>Nature Nanotechnology</i> , 2017 , 12, 663-667	28.7	49
4 ⁰⁹	Control of tensile strain in germanium waveguides through silicon nitride layers. <i>Applied Physics Letters</i> , 2012 , 100, 201104	3.4	49
4 ⁰⁸	Incoherent and coherent writing and erasure of cavity solitons in an optically pumped semiconductor amplifier. <i>Optics Letters</i> , 2006 , 31, 1504-6	3	49
4 ⁰⁷	Optical self-organization in bulk and multiquantum well GaAlAs microresonators. <i>Physical Review Letters</i> , 2000 , 84, 6006-9	7.4	48
4 ⁰⁶	Ultra-low threshold polariton lasing in photonic crystal cavities. <i>Applied Physics Letters</i> , 2011 , 99, 111106	3.4	46
4 ⁰⁵	Metal-coated nanocylinder cavity for broadband nonclassical light emission. <i>Physical Review Letters</i> , 2010 , 105, 180502	7.4	46

404	Experimental demonstration of a tunable dual-frequency semiconductor laser free of relaxation oscillations. <i>Optics Letters</i> , 2009 , 34, 3421-3	3	46
403	Photoluminescence quenching of a low-pressure metal-organic vapor-phase-epitaxy grown quantum dots array with bimodal inhomogeneous broadening. <i>Journal of Applied Physics</i> , 2002 , 91, 10113-5	3.5	46
402	Porous silicon: material properties, visible photo- and electroluminescence. <i>Applied Surface Science</i> , 1993 , 65-66, 394-407	6.7	46
401	Direct Band Gap Germanium Microdisks Obtained with Silicon Nitride Stressor Layers. <i>ACS Photonics</i> , 2016 , 3, 443-448	6.3	45
400	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. <i>Physical Review B</i> , 2017 , 95,	3.3	45
399	Direct and indirect band gap room temperature electroluminescence of Ge diodes. <i>Journal of Applied Physics</i> , 2010 , 108, 023105	2.5	44
398	Coupling of a surface plasmon with localized subwavelength microcavity modes. <i>Applied Physics Letters</i> , 2011 , 98, 021105	3.4	44
397	Experimental Investigation and Analytical Modeling of Excess Intensity Noise in Semiconductor Class-A Lasers. <i>Journal of Lightwave Technology</i> , 2008 , 26, 952-961	4	43
396	Coherent manipulation of a solid-state artificial atom with few photons. <i>Nature Communications</i> , 2016 , 7, 11986	17.4	42
395	Micropillar Resonators for Optomechanics in the Extremely High 19-95-GHz Frequency Range. <i>Physical Review Letters</i> , 2017 , 118, 263901	7.4	42
394	Cavity-enhanced two-photon interference using remote quantum dot sources. <i>Physical Review B</i> , 2015 , 92,	3.3	42
393	10-GHz train of sub-500-fs optical soliton-like pulses from a surface-emitting semiconductor laser. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 267-269	2.2	42
392	Semiconductor surface plasmon sources. <i>Physical Review Letters</i> , 2010 , 104, 226806	7.4	41
391	Homoclinic snaking in a semiconductor-based optical system. <i>Physical Review Letters</i> , 2008 , 101, 253902	7.4	41
390	Highly selective and compact tunable MOEMS photonic crystal Fabry-Perot filter. <i>Optics Express</i> , 2006 , 14, 3129-37	3.3	41
389	Scalable implementation of strongly coupled cavity-quantum dot devices. <i>Applied Physics Letters</i> , 2009 , 94, 121102	3.4	38
388	Electro-osmotic propulsion of helical nanobelt swimmers. <i>International Journal of Robotics Research</i> , 2011 , 30, 806-819	5.7	38
387	. <i>IEEE Transactions on Electron Devices</i> , 1992 , 39, 200-201	2.9	38

386	Superradiant Emission from a Collective Excitation in a Semiconductor. <i>Physical Review Letters</i> , 2015 , 115, 187402	7.4	37
385	Spatial, spectral, and polarization properties of coupled micropillar cavities. <i>Applied Physics Letters</i> , 2011 , 99, 101103	3.4	37
384	Shot-noise-limited operation of a monomode high-cavity-finesse semiconductor laser for microwave photonics applications. <i>Optics Letters</i> , 2007 , 32, 650-2	3	37
383	Entangling quantum-logic gate operated with an ultrabright semiconductor single-photon source. <i>Physical Review Letters</i> , 2013 , 110, 250501	7.4	36
382	Ultrafast all-optical switching and error-free 10 Gbit/s wavelength conversion in hybrid InP-silicon on insulator nanocavities using surface quantum wells. <i>Applied Physics Letters</i> , 2014 , 104, 011102	3.4	36
381	Microwave modulation of terahertz quantum cascade lasers: a transmission-line approach. <i>Applied Physics Letters</i> , 2010 , 96, 021108	3.4	36
380	Continuous-wave versus time-resolved measurements of Purcell factors for quantum dots in semiconductor microcavities. <i>Physical Review B</i> , 2009 , 80,	3.3	36
379	Thermal optimization of 1.55 μm OP-VECSEL with hybrid metal/metamorphic mirror for single-mode high power operation. <i>Optical and Quantum Electronics</i> , 2008 , 40, 155-165	2.4	36
378	Continuous-wave operation of photonic band-edge laser near 1.55 microm on silicon wafer. <i>Optics Express</i> , 2007 , 15, 7551-6	3.3	36
377	Active demultiplexing of single photons from a solid-state source. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600297	8.3	35
376	Influence of the material parameters on quantum cascade devices. <i>Applied Physics Letters</i> , 2008 , 93, 131108	3.4	35
375	Germanium microlasers on metallic pedestals. <i>APL Photonics</i> , 2018 , 3, 106102	5.2	33
374	Photonic molecules: tailoring the coupling strength and sign. <i>Optics Express</i> , 2014 , 22, 12359-68	3.3	33
373	Optical bistability in a quantum dots/micropillar device with a quality factor exceeding 200 000. <i>Applied Physics Letters</i> , 2012 , 100, 111111	3.4	33
372	Measurement of the coupling constant in a two-frequency VECSEL. <i>Optics Express</i> , 2010 , 18, 5008-14	3.3	33
371	Bright Phonon-Tuned Single-Photon Source. <i>Nano Letters</i> , 2015 , 15, 6290-4	11.5	32
370	Control of light polarization using optically spin-injected vertical external cavity surface emitting lasers. <i>Applied Physics Letters</i> , 2013 , 103, 252402	3.4	32
369	Measuring propagation loss in a multimode semiconductor waveguide. <i>Journal of Applied Physics</i> , 2005 , 97, 073105	2.5	32

368	Strain and composition of capped Ge/Si self-assembled quantum dots grown by chemical vapor deposition. <i>Applied Physics Letters</i> , 2000 , 77, 370-372	3.4	32
367	Phase-Controlled Bistability of a Dark Soliton Train in a Polariton Fluid. <i>Physical Review Letters</i> , 2016 , 117, 217401	7.4	31
366	Spontaneous nonground state polariton condensation in pillar microcavities. <i>Physical Review B</i> , 2010 , 81,	3.3	31
365	Heterogeneous integration and precise alignment of InP-based photonic crystal lasers to complementary metal-oxide semiconductor fabricated silicon-on-insulator wire waveguides. <i>Journal of Applied Physics</i> , 2010 , 107, 063103	2.5	31
364	Higher-order photon correlations in pulsed photonic crystal nanolasers. <i>Physical Review A</i> , 2011 , 84,	2.6	31
363	Single-frequency cw vertical external cavity surface emitting semiconductor laser at 1003 nm and 501 nm by intracavity frequency doubling. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 86, 503-510	1.9	31
362	Exploration of the ultimate patterning potential achievable with focused ion beams. <i>Microelectronic Engineering</i> , 2005 , 78-79, 266-278	2.5	31
361	Type-III and Tilted Dirac Cones Emerging from Flat Bands in Photonic Orbital Graphene. <i>Physical Review X</i> , 2019 , 9,	9.1	30
360	Polariton parametric luminescence in a single micropillar. <i>Applied Physics Letters</i> , 2007 , 90, 051107	3.4	30
359	Purcell enhancement of spontaneous emission from quantum cascades inside mirror-grating metal cavities at THz frequencies. <i>Physical Review Letters</i> , 2007 , 99, 223603	7.4	30
358	Temporal summation in a neuromimetic micropillar laser. <i>Optics Letters</i> , 2015 , 40, 5690-3	3	29
357	Ultrafast control of light emission from a quantum-well semiconductor microcavity using picosecond strain pulses. <i>Physical Review B</i> , 2008 , 78,	3.3	28
356	Direct growth of GaAs-based structures on exactly (0 0 1)-oriented Ge/Si virtual substrates: reduction of the structural defect density and observation of electroluminescence at room temperature under CW electrical injection. <i>Journal of Crystal Growth</i> , 2004 , 265, 53-59	1.6	28
355	InAs $\sqrt{3}\times\sqrt{3}$ P(001) quantum dots emitting at 1.55 μ m grown by low-pressure metalorganic vapor-phase epitaxy. <i>Applied Physics Letters</i> , 2005 , 87, 253114	3.4	28
354	Vortex Laser based on III-V semiconductor metasurface: direct generation of coherent Laguerre-Gauss modes carrying controlled orbital angular momentum. <i>Scientific Reports</i> , 2016 , 6, 38156	4.9	28
353	Spike latency and response properties of an excitable micropillar laser. <i>Physical Review E</i> , 2016 , 94, 042219	2.9	27
352	Optical critical coupling into highly confining metal-insulator-metal resonators. <i>Applied Physics Letters</i> , 2013 , 103, 091110	3.4	26
351	Atomic-plane-thick reconstruction across the interface during heteroepitaxial bonding of InP-clad quantum wells on silicon. <i>Applied Physics Letters</i> , 2013 , 102, 212101	3.4	26

350	Exciton polaritons in two-dimensional photonic crystals. <i>Physical Review B</i> , 2009 , 80,	3.3	26
349	Picosecond pulse generation with 1.5 [μm] passively modelocked surface-emitting semiconductor laser. <i>Electronics Letters</i> , 2003 , 39, 846	1.1	26
348	Metal organic vapor phase epitaxy of InAsP/InP(001) quantum dots for 1.55 μm applications: Growth, structural, and optical properties. <i>Journal of Applied Physics</i> , 2008 , 104, 043504	2.5	25
347	Submicron-diameter semiconductor pillar microcavities with very high quality factors. <i>Applied Physics Letters</i> , 2007 , 90, 091120	3.4	25
346	Designing novel organogermanium OMVPE precursors for high-purity germanium films. <i>Journal of Crystal Growth</i> , 2006 , 287, 684-687	1.6	25
345	Intersubband absorption performed on p-type modulation-doped Si _{0.2} Ge _{0.8} /Si quantum wells grown on Si _{0.5} Ge _{0.5} pseudosubstrate. <i>Applied Physics Letters</i> , 2002 , 80, 3274-3276	3.4	25
344	Deformable two-dimensional photonic crystal slab for cavity optomechanics. <i>Optics Letters</i> , 2011 , 36, 3434-6	3	24
343	Demonstration of coherent emission from high-beta photonic crystal nanolasers at room temperature. <i>Optics Letters</i> , 2010 , 35, 1154-6	3	24
342	Investigation of optical properties of free-standing porous silicon films by absorption and mirage effect. <i>Journal of Luminescence</i> , 1993 , 57, 217-221	3.8	24
341	Reproducibility of High-Performance Quantum Dot Single-Photon Sources. <i>ACS Photonics</i> , 2020 , 7, 1050-1059	4.9	23
340	Third Order Dispersion in Time-Delayed Systems. <i>Physical Review Letters</i> , 2019 , 123, 043902	7.4	23
339	Nonequilibrium polariton condensate in a magnetic field. <i>Physical Review B</i> , 2015 , 91,	3.3	23
338	Single InAs _{1-x} P _x /InP quantum dots as telecommunications-band photon sources. <i>Physical Review B</i> , 2011 , 84,	3.3	23
337	High power single-frequency continuously-tunable compact extended-cavity semiconductor laser. <i>Optics Express</i> , 2009 , 17, 9503-8	3.3	23
336	Thermo-optical dynamics in an optically pumped Photonic Crystal nano-cavity. <i>Optics Express</i> , 2009 , 17, 17118-29	3.3	23
335	Silicon-insulator waveguide photodetector with Ge/Si self-assembled islands. <i>Journal of Applied Physics</i> , 2002 , 92, 1858-1861	2.5	23
334	Bimodal distribution of Indium composition in arrays of low-pressure metalorganic-vapor-phase-epitaxy grown InGaAs/GaAs quantum dots. <i>Applied Physics Letters</i> , 2001 , 79, 2157-2159	3.4	23
333	Nonlinear Polariton Fluids in a Flatband Reveal Discrete Gap Solitons. <i>Physical Review Letters</i> , 2019 , 123, 113901	7.4	22

332	Accurate measurement of the residual birefringence in VECSEL: Towards understanding of the polarization behavior under spin-polarized pumping. <i>Optics Express</i> , 2015 , 23, 9573-88	3-3	22
331	Generation of non-classical light in a photon-number superposition. <i>Nature Photonics</i> , 2019 , 13, 803-808	33-9	22
330	A semiconductor laser device for the generation of surface-plasmons upon electrical injection. <i>Optics Express</i> , 2009 , 17, 9391-400	3-3	22
329	Efficient coupling to W1 photonic crystal waveguide on InP membrane through suspended access guides. <i>Applied Physics Letters</i> , 2008 , 92, 061105	3-4	22
328	High performance 1.55 [micro sign]m vertical external cavity surface emitting laser with broadband integrated dielectric-metal mirror. <i>Electronics Letters</i> , 2004 , 40, 734	1-1	22
327	Ge/Si self-assembled quantum dots grown on Si(001) in an industrial high-pressure chemical vapor deposition reactor. <i>Journal of Applied Physics</i> , 1999 , 86, 1145-1148	2-5	22
326	. <i>Journal of Lightwave Technology</i> , 2014 , 32, 3817-3823	4	21
325	Surface-emitting quantum cascade lasers with metallic photonic-crystal resonators. <i>Applied Physics Letters</i> , 2009 , 94, 221101	3-4	21
324	Room temperature laser operation of strained InGaAs/GaAs QW structure monolithically grown by MOVCD on LE-PECVD GeBi virtual substrate. <i>Electronics Letters</i> , 2003 , 39, 1658	1-1	21
323	Unstable and stable regimes of polariton condensation. <i>Optica</i> , 2018 , 5, 1163	8-6	21
322	Tensile-strained germanium microdisk electroluminescence. <i>Optics Express</i> , 2015 , 23, 6722-30	3-3	20
321	Frequency cavity pulling induced by a single semiconductor quantum dot. <i>Physical Review B</i> , 2014 , 89,	3-3	20
320	Midinfrared Ultrastrong Light-Matter Coupling for THz Thermal Emission. <i>ACS Photonics</i> , 2017 , 4, 2550-2555	3-5	20
319	Unequivocal differentiation of coherent and chaotic light through interferometric photon correlation measurements. <i>Physical Review Letters</i> , 2013 , 110, 163603	7-4	20
318	Terahertz polariton sidebands generated by ultrafast strain pulses in an optical semiconductor microcavity. <i>Physical Review B</i> , 2009 , 80,	3-3	20
317	Direct observation of the class-B to class-A transition in the dynamical behavior of a semiconductor laser. <i>Europhysics Letters</i> , 2009 , 87, 44005	1-6	20
316	Homogeneous broadening of the S to P transition in InGaAs/GaAs quantum dots measured by infrared absorption imaging with nanoscale resolution. <i>Physical Review B</i> , 2011 , 83,	3-3	20
315	Single-frequency external-cavity semiconductor ring-laser gyroscope. <i>Optics Letters</i> , 2009 , 34, 97-9	3	20

314	Recombination processes in SiGe/Si quantum wells measured by photoinduced absorption spectroscopy. <i>Physical Review B</i> , 1997 , 56, 15734-15739	3.3	20
313	A new concept for tunable long wavelength VCSEL. <i>Optics Communications</i> , 2003 , 222, 341-350	2	20
312	$\Gamma(2)$ semiconductor photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 2094	1.7	20
311	Spontaneous emission in highly excited semiconductors: Saturation of the radiative recombination rate. <i>Journal of Applied Physics</i> , 2002 , 92, 6595-6600	2.5	20
310	Effect of increasing thickness on tensile-strained germanium grown on InGaAs buffer layers. <i>Journal of Applied Physics</i> , 2013 , 113, 183508	2.5	19
309	Nonlinear mechanics with suspended nanomembranes. <i>Europhysics Letters</i> , 2012 , 100, 68005	1.6	19
308	A quantum dot based bright source of entangled photon pairs operating at 53 K. <i>Applied Physics Letters</i> , 2010 , 97, 081104	3.4	19
307	Polariton parametric oscillation in a single micropillar cavity. <i>Applied Physics Letters</i> , 2010 , 97, 031105	3.4	19
306	Small volume excitation and enhancement of dye fluorescence on a 2D photonic crystal surface. <i>Optics Express</i> , 2010 , 18, 3693-9	3.3	19
305	Dynamics of band-edge photonic crystal lasers. <i>Optics Express</i> , 2009 , 17, 3165-72	3.3	19
304	Room temperature enhancement and inhibition of spontaneous emission in semiconductor microcavities. <i>Applied Physics Letters</i> , 2000 , 77, 1345-1347	3.4	19
303	Reduced Lasing Thresholds in GeSn Microdisk Cavities with Defect Management of the Optically Active Region. <i>ACS Photonics</i> , 2020 , 7, 2713-2722	6.3	19
302	Intensity noise correlations in a two-frequency VECSEL. <i>Optics Express</i> , 2013 , 21, 2538-50	3.3	18
301	Smooth sidewall in InP-based photonic crystal membrane etched by N ₂ -based inductively coupled plasma. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 1326		18
300	Optical self-organization and cavity solitons in optically pumped semiconductor microresonators. <i>Physical Review A</i> , 2006 , 74,	2.6	18
299	Low-cost electrothermally tunable optical microcavities based on GaAs. <i>IEEE Photonics Technology Letters</i> , 2002 , 14, 1566-1568	2.2	18
298	Free-carrier and intersubband infrared absorption in p-type Si _{1-x} Gex/Si multiple quantum wells. <i>Physical Review B</i> , 1995 , 51, 14311-14316	3.3	18
297	Dark current investigation in thin P-i-N InGaAs photodiodes for nano-resonators. <i>Journal of Applied Physics</i> , 2016 , 120, 084501	2.5	18

296	Thermal Management for High-Power Single-Frequency Tunable Diode-Pumped VECSEL Emitting in the Near- and Mid-IR. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 1701108-1701108 ^{3.8}	3.8	17
295	Backscattering suppression in supersonic 1D polariton condensates. <i>Physical Review Letters</i> , 2012 , 108, 036405	7.4	17
294	III-V photonic crystal wire cavity laser on silicon wafer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, 2146	1.7	17
293	Hybrid InP-based photonic crystal lasers on silicon on insulator wires. <i>Applied Physics Letters</i> , 2009 , 95, 201119	3.4	17
292	Room-temperature continuous-wave laser operation of electrically-pumped 1.55 [micro sign]m VECSEL. <i>Electronics Letters</i> , 2004 , 40, 671	1.1	17
291	30°C CW operation of 1.52 [micro sign]m InGaAsP/AlGaAs vertical cavity lasers with in situ built-in lateral current confinement by localised fusion. <i>Electronics Letters</i> , 1998 , 34, 1744	1.1	17
290	Tensile-strained germanium microdisks with circular Bragg reflectors. <i>Applied Physics Letters</i> , 2016 , 108, 091103	3.4	16
289	Observation of slow light in the noise spectrum of a vertical external cavity surface-emitting laser. <i>Physical Review Letters</i> , 2010 , 105, 223902	7.4	16
288	p and n-type germanium layers grown using iso-butyl germane in a III-V metal-organic vapor phase epitaxy reactor. <i>Thin Solid Films</i> , 2011 , 519, 4186-4191	2.2	16
287	Discretization of electronic states in large InAsP/InP multilevel quantum dots probed by scanning tunneling spectroscopy. <i>Physical Review Letters</i> , 2012 , 108, 126808	7.4	16
286	Time-resolved characterization of InAsP/InP quantum dots emitting in the C-band telecommunication window. <i>Applied Physics Letters</i> , 2008 , 93, 073106	3.4	16
285	Microphotoluminescence of exciton and biexciton around 1.5 μ m from a single InAsP/InP(001) quantum dot. <i>Applied Physics Letters</i> , 2006 , 88, 133101	3.4	16
284	MOCVD InP/AlGaInAs distributed Bragg reflector for 1.55 [micro sign]m VCSELs. <i>Electronics Letters</i> , 2001 , 37, 500	1.1	16
283	Towards strong light-matter coupling at the single-resonator level with sub-wavelength mid-infrared nano-antennas. <i>Applied Physics Letters</i> , 2016 , 109, 021111	3.4	16
282	Influence of the Purcell effect on the purity of bright single photon sources. <i>Applied Physics Letters</i> , 2013 , 103, 033113	3.4	15
281	Integrated III-V Photonic Crystal--Si waveguide platform with tailored optomechanical coupling. <i>Scientific Reports</i> , 2015 , 5, 16526	4.9	15
280	Circuit-tunable sub-wavelength THz resonators: hybridizing optical cavities and loop antennas. <i>Optics Express</i> , 2014 , 22, 21302-12	3.3	15
279	Thermal management in hybrid InP/silicon photonic crystal nanobeam laser. <i>Optics Express</i> , 2014 , 22, 10570-8	3.3	15

278	Uniformity of the lasing wavelength of heterogeneously integrated InP microdisk lasers on SOI. <i>Optics Express</i> , 2013 , 21, 10622-31	3.3	15
277	Optical parametric oscillation in one-dimensional microcavities. <i>Physical Review B</i> , 2013 , 87,	3.3	15
276	Tunable single-frequency operation of a diode-pumped vertical external-cavity laser at the cesium D2 line. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 315-321	1.9	15
275	High quality beaming and efficient free-space coupling in L3 photonic crystal active nanocavities. <i>Optics Express</i> , 2012 , 20, 18876-86	3.3	15
274	Confining light flow in weakly coupled waveguide arrays by structuring the coupling constant: towards discrete diffractive optics. <i>Optics Express</i> , 2009 , 17, 3148-56	3.3	15
273	Towards the creation of quantum dots using FIB technology. <i>Microelectronic Engineering</i> , 2006 , 83, 811-814	1.4	15
272	GaAs/GaAs twist-bonding for compliant substrates: interface structure and epitaxial growth. <i>Applied Surface Science</i> , 2000 , 164, 15-21	6.7	15
271	Room-temperature continuous-wave operation VCSEL at 1.48 [micro sign]m with Sb-based Bragg reflector. <i>Electronics Letters</i> , 1998 , 34, 1402	1.1	15
270	Photoinduced intersubband absorption in Si/SiGe quantum wells. <i>Applied Physics Letters</i> , 1995 , 67, 2948-2950	3.2	15
269	Characterization of Porous Silicon: Structural, Optical and Electrical Properties. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 283, 97		15
268	Polarization- and diffraction-controlled second-harmonic generation from semiconductor metasurfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, E55	1.7	15
267	Emergence of criticality through a cascade of delocalization transitions in quasiperiodic chains. <i>Nature Physics</i> , 2020 , 16, 832-836	16.2	14
266	High Q factor InP photonic crystal nanobeam cavities on silicon wire waveguides. <i>Optics Letters</i> , 2016 , 41, 579-82	3	14
265	Nonlinear gallium phosphide nanoscale photonics [Invited]. <i>Photonics Research</i> , 2018 , 6, B43	6	14
264	Cavity-Enhanced Real-Time Monitoring of Single-Charge Jumps at the Microsecond Time Scale. <i>Physical Review X</i> , 2014 , 4,	9.1	14
263	Field localization and enhancement of phase-locked second- and third-order harmonic generation in absorbing semiconductor cavities. <i>Physical Review A</i> , 2009 , 80,	2.6	14
262	Cavity optimization of optically pumped broad-area microcavity lasers. <i>Applied Physics Letters</i> , 2005 , 86, 151119	3.4	14
261	Room temperature CW lasing operation of monolithically grown 1.55 μm vertical external cavity surface emitting laser. <i>Optics Communications</i> , 2004 , 230, 419-423	2	14

260	Metal-organic vapor-phase epitaxy of defect-free InGaAs/GaAs quantum dots emitting around 1.3 μ m. <i>Journal of Crystal Growth</i> , 2002 , 235, 89-94	1.6	14
259	Reactive-ion etching of high-Q and submicron-diameter GaAs/AlAs micropillar cavities. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005 , 23, 2499		14
258	Origin of the bimodal distribution of low-pressure metal-organic-vapor-phase-epitaxy grown InGaAs/GaAs quantum dots. <i>Journal of Applied Physics</i> , 2002 , 91, 3859-3863	2.5	14
257	Coherent continuous-wave dual-frequency high-Q external-cavity semiconductor laser for GHz-THz applications. <i>Optics Letters</i> , 2016 , 41, 3751-4	3	14
256	Asymmetric noise sensitivity of pulse trains in an excitable microlaser with delayed optical feedback. <i>Physical Review A</i> , 2017 , 96,	2.6	13
255	Phase Noise of the Radio Frequency (RF) Beatnote Generated by a Dual-Frequency VECSEL. <i>Journal of Lightwave Technology</i> , 2014 , 32, 1307-1316	4	13
254	Coherent Dual-Frequency Emission of a Vertical External-Cavity Semiconductor Laser at the Cesium D_{2} Line. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1218-1220	2.2	13
253	Injection of midinfrared surface plasmon polaritons with an integrated device. <i>Applied Physics Letters</i> , 2010 , 97, 211110	3.4	13
252	Polarized single-lobed surface emission in mid-infrared, photonic-crystal, quantum-cascade lasers. <i>Optics Letters</i> , 2010 , 35, 859-61	3	13
251	Time-resolved spectroscopy of InAsP/InP(001) quantum dots emitting near 2 μ m. <i>Applied Physics Letters</i> , 2010 , 97, 131907	3.4	13
250	Inductively coupled plasma etching of GaAs suspended photonic crystal cavities. <i>Journal of Vacuum Science & Technology B</i> , 2009 , 27, 1909		13
249	Radiation patterns from coupled photonic crystal nanocavities. <i>Applied Physics Letters</i> , 2011 , 99, 111101	3.4	13
248	Room temperature spontaneous emission enhancement from quantum dots in photonic crystal slab cavities in the telecommunications C band. <i>Applied Physics Letters</i> , 2009 , 94, 123101	3.4	13
247	Thermodynamic description of the competition between quantum dots and quantum dashes during metalorganic vapor phase epitaxy in the InAs/InP(001) system: Experiment and theory. <i>Physical Review B</i> , 2006 , 74,	3.3	13
246	Transport and near-infrared optical properties of ErSi ₂ thin films. <i>Journal of Applied Physics</i> , 1992 , 72, 4295-4299	2.5	13
245	Bright Polarized Single-Photon Source Based on a Linear Dipole. <i>Physical Review Letters</i> , 2021 , 126, 233601	3.4	13
244	Monolithic echo-less photoconductive switches as a high-resolution detector for terahertz time-domain spectroscopy. <i>Applied Physics Letters</i> , 2017 , 110, 141102	3.4	12
243	Pulse train interaction and control in a microcavity laser with delayed optical feedback. <i>Optics Letters</i> , 2018 , 43, 3013-3016	3	12

242	Evaluation of the surface bonding energy of an InP membrane bonded oxide-free to Si using instrumented nanoindentation. <i>Applied Physics Letters</i> , 2013 , 103, 081901	3.4	12
241	Technologies for thermal management of mid-IR Sb-based surface emitting lasers. <i>Semiconductor Science and Technology</i> , 2010 , 25, 045021	1.8	12
240	One-dimensional microcavity-based optical parametric oscillator: Generation of balanced twin beams in strong and weak coupling regime. <i>Physical Review B</i> , 2011 , 83,	3.3	12
239	Nanoepitaxy of InAsInP quantum dots by metalorganic vapor phase epitaxy for 1.55 μ m emitters. <i>Applied Physics Letters</i> , 2006 , 88, 041113	3.4	12
238	Thermodynamical analysis of the shape and size dispersion of InAsInP(001) quantum dots. <i>Physical Review B</i> , 2006 , 73,	3.3	12
237	Effect of cap-layer growth rate on morphology and luminescence of InAsInP(001) quantum dots grown by metal-organic vapor phase epitaxy. <i>Journal of Applied Physics</i> , 2006 , 100, 033508	2.5	12
236	Silicon-on-insulator and SiGe waveguide photodetectors with Ge/Si self-assembled islands. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 16, 523-527	3	12
235	High-Q whispering-gallery modes in GaAsAlOx microdisks. <i>Applied Physics Letters</i> , 2005 , 86, 021103	3.4	12
234	Direct observation of photonic Landau levels and helical edge states in strained honeycomb lattices. <i>Light: Science and Applications</i> , 2020 , 9, 144	16.7	12
233	Stochastic precession of the polarization in a polariton laser. <i>Physical Review B</i> , 2016 , 93,	3.3	11
232	Noise properties of NIR and MIR VECSELS 2013 ,		11
231	Surface-emitting mid-infrared quantum cascade lasers with high-contrast photonic crystal resonators. <i>Optics Express</i> , 2010 , 18, 11979-89	3.3	11
230	Electrical modulation of the complex refractive index in mid-infrared quantum cascade lasers. <i>Optics Express</i> , 2012 , 20, 1172-83	3.3	11
229	Nanocavity linewidth narrowing and group delay enhancement by slow light propagation and nonlinear effects. <i>Physical Review Letters</i> , 2012 , 109, 113903	7.4	11
228	Surface-plasmon distributed-feedback mid-infrared quantum cascade lasers based on hybrid plasmon/air-guided modes. <i>Electronics Letters</i> , 2008 , 44, 807	1.1	11
227	Initial stage of the overgrowth of InP on InAsInP(001) quantum dots: Formation of InP terraces driven by preferential nucleation on quantum dot edges. <i>Applied Physics Letters</i> , 2006 , 89, 031923	3.4	11
226	+55 $^{\circ}$ C pulse lasing at 1.56 [μ m] of all-monolithic InGaAlAs/InP vertical cavity lasers. <i>Electronics Letters</i> , 1999 , 35, 811	1.1	11
225	Intersubband relaxation time in the valence band of Si/Si $_{1-x}$ Ge $_x$ quantum wells. <i>Applied Physics Letters</i> , 1996 , 69, 3069-3071	3.4	11

224	Investigation of two-dimensional hole gases in Si/SiGe heterostructures. <i>Physical Review B</i> , 1993 , 48, 12312-12315	3.3	11
223	Tunable infrared photoemission sensor on Si using epitaxial ErSi ₂ /Si heterostructures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1993 , 21, 312-316	3.1	11
222	Multi-orbital tight binding model for cavity-polariton lattices. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 315402	1.8	10
221	Gallium Phosphide as a Piezoelectric Platform for Quantum Optomechanics. <i>Physical Review Letters</i> , 2019 , 123, 163602	7.4	10
220	Hybrid electronic-photonic subwavelength cavities operating at terahertz frequencies. <i>Physical Review B</i> , 2013 , 87,	3.3	10
219	Coupling light into a slow-light photonic-crystal waveguide from a free-space normally-incident beam. <i>Optics Express</i> , 2013 , 21, 15144-54	3.3	10
218	Transient thermoreflectance imaging of active photonic crystals. <i>Applied Physics Letters</i> , 2010 , 96, 091103	3.4	10
217	Identification of the stimulated-emission threshold in high-finesse nanoscale lasers through phase-space reconstruction. <i>Physical Review A</i> , 2011 , 83,	2.6	10
216	Low temperature near-field scanning optical microscopy on infrared and terahertz photonic-crystal quantum cascade lasers. <i>Applied Physics Letters</i> , 2011 , 98, 231112	3.4	10
215	Bunching visibility of optical parametric emission in a semiconductor microcavity. <i>Physical Review B</i> , 2012 , 86,	3.3	10
214	Transient chirp in high-speed photonic-crystal quantum-dot lasers with controlled spontaneous emission. <i>Optics Letters</i> , 2009 , 34, 554-6	3	10
213	Density of InAsInP(001) quantum dots grown by metal-organic vapor phase epitaxy: Independent effects of InAs and cap-layer growth rates. <i>Applied Physics Letters</i> , 2007 , 91, 102107	3.4	10
212	Continuous-wave 1.55 microm diode-pumped surface emitting semiconductor laser for broadband multiplex spectroscopy. <i>Optics Letters</i> , 2007 , 32, 1387-9	3	10
211	Wavelength tunable InP-based EP-VECSEL operating at room temperature and in CW at 1.55 [micro sign]m. <i>Electronics Letters</i> , 2004 , 40, 1490	1.1	10
210	(InGa)(NAs)/GaAs structures emitting in 1.6 μ m wavelength range. <i>Optical Materials</i> , 2001 , 17, 185-188	3.3	10
209	Precursor forms of cavity solitons in nonlinear semiconductor microresonators. <i>Physical Review E</i> , 2002 , 66, 066613	2.4	10
208	Fast All-Optical 10 Gb/s NRZ Wavelength Conversion and Power Limiting Function using Hybrid InP on SOI Nanocavity 2012 ,		10
207	Compensation of the residual linear anisotropy of phase in a vertical-external-cavity-surface-emitting laser for spin injection. <i>Optics Letters</i> , 2017 , 42, 651-654	3	10

206	Interfacing scalable photonic platforms: solid-state based multi-photon interference in a reconfigurable glass chip. <i>Optica</i> , 2019 , 6, 1471	8.6	10
205	Phase formation in the Ni/nInP contacts for heterogeneous III/V-silicon photonic integration. <i>Microelectronic Engineering</i> , 2016 , 156, 86-90	2.5	10
204	Resonant intersubband polariton-LO phonon scattering in an optically pumped polaritonic device. <i>Applied Physics Letters</i> , 2018 , 112, 191106	3.4	10
203	CMOS-Compatible Contacts to n-InP. <i>IEEE Transactions on Electron Devices</i> , 2017 , 64, 4408-4414	2.9	9
202	Radiatively Broadened Incandescent Sources. <i>ACS Photonics</i> , 2015 , 2, 1663-1668	6.3	9
201	Sequential generation of linear cluster states from a single photon emitter. <i>Nature Communications</i> , 2020 , 11, 5501	17.4	9
200	Echo-Less Photoconductive Antenna Sources for High-Resolution Terahertz Time-Domain Spectroscopy. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016 , 6, 20-25	3.4	9
199	Photonic crystal coupled cavities with increased beaming and free space coupling efficiency. <i>Applied Physics Letters</i> , 2013 , 102, 011107	3.4	9
198	Towards the experimental demonstration of quantum radiation pressure noise. <i>Comptes Rendus Physique</i> , 2011 , 12, 826-836	1.4	9
197	Electronic structure of cleaved InAsP/InP(001) quantum dots measured by scanning tunneling spectroscopy. <i>Applied Physics Letters</i> , 2010 , 97, 171903	3.4	9
196	Thermal emission of midinfrared GaAs photonic crystals. <i>Physical Review B</i> , 2008 , 78,	3.3	9
195	Fabrication of ultrathin and highly flexible InP-based membranes for microoptoelectromechanical systems at 1.55 μm . <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 804-806	2.2	9
194	Cavity-enhanced absorption spectroscopy with a mode-locked diode-pumped vertical external-cavity surface-emitting laser. <i>Chemical Physics Letters</i> , 2004 , 390, 290-295	2.5	9
193	Optical pattern formation in passive semiconductor microresonators. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2000 , 2, 443-446		9
192	Hong-Ou-Mandel Interference with Imperfect Single Photon Sources. <i>Physical Review Letters</i> , 2021 , 126, 063602	7.4	9
191	Delayed formation of coherence in the emission dynamics of high-Q nanolasers. <i>Optica</i> , 2018 , 5, 395	8.6	8
190	Nanostructured diode for infrared photodetection through nondegenerate two-photon absorption. <i>Applied Physics Letters</i> , 2017 , 111, 041102	3.4	8
189	Tomography of the optical polarization rotation induced by a single quantum dot in a cavity. <i>Optica</i> , 2017 , 4, 1326	8.6	8

188	Self-mixing in low-noise semiconductor vortex laser: detection of a rotational Doppler shift in backscattered light. <i>Optics Letters</i> , 2015 , 40, 5778-81	3	8
187	Schottky electroluminescent diodes with n-doped germanium. <i>Applied Physics Letters</i> , 2014 , 104, 241104	3.4	8
186	Theory of interferometric photon-correlation measurements: Differentiating coherent from chaotic light. <i>Physical Review A</i> , 2013 , 88,	2.6	8
185	Enhanced efficiency of the second harmonic inhomogeneous component in an opaque cavity. <i>Optics Letters</i> , 2011 , 36, 1809-11	3	8
184	Surface-plasmon distributed-feedback quantum cascade lasers operating pulsed, room temperature. <i>Applied Physics Letters</i> , 2009 , 95, 091105	3.4	8
183	Sub-wavelength energy concentration with electrically generated mid-infrared surface plasmons. <i>Optics Express</i> , 2012 , 20, 13738-47	3.3	8
182	Transverse spatial structure of a high Fresnel number Vertical External Cavity Surface Emitting Laser. <i>Optics Express</i> , 2008 , 16, 9519-27	3.3	8
181	Near room-temperature continuous-wave operation of electrically pumped 1.55 [μm] vertical cavity lasers with InGaAsP/InP bottom mirror. <i>Electronics Letters</i> , 1999 , 35, 49	1.1	8
180	Absorption and resonant dispersion associated with normal incidence intersubband transitions in Si/SiGe quantum wells. <i>Applied Physics Letters</i> , 1995 , 67, 3462-3464	3.4	8
179	Brillouin scattering in hybrid optophononic Bragg micropillar resonators at 300 GHz. <i>Optica</i> , 2019 , 6, 854	8.6	8
178	Semi-Dirac Transport and Anisotropic Localization in Polariton Honeycomb Lattices. <i>Physical Review Letters</i> , 2020 , 125, 186601	7.4	8
177	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 1-11	3.8	7
176	Broadband enhancement and inhibition of single quantum dot emission in plasmonic nano-cavities operating at telecommunications wavelengths. <i>Applied Physics Letters</i> , 2013 , 103, 061113	3.4	7
175	Void-free direct bonding of InP to Si: Advantages of low H-content and ozone activation. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014 , 32, 021201	1.3	7
174	Polysilicon-germanium gate patterning studies in a high density plasma helicon source. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1997 , 15, 1874-1880	2.9	7
173	Fabrication and characterization of 1.55 μm single transverse mode large diameter electrically pumped VECSEL. <i>Optical and Quantum Electronics</i> , 2007 , 38, 1269-1278	2.4	7
172	Design of a low-threshold VECSEL emitting at 852 nm for Cesium atomic clocks. <i>Optical and Quantum Electronics</i> , 2008 , 40, 167-173	2.4	7
171	One-step nano-selective area growth (nano-SAG) of localized InAs/InP quantum dots: First step towards single-photon source applications. <i>Journal of Crystal Growth</i> , 2008 , 310, 3413-3415	1.6	7

170	High contrast reflection modulation near 1.55µm in InP 2D photonic crystals on silicon wafer. <i>Optics Express</i> , 2007 , 15, 1254-60	3.3	7
169	Ge/Si self-assembled islands integrated in 2D photonic crystals microcavities for realisation of silicon-based light-emitting devices 2004 , 5450, 369		7
168	Electromodulation of the interband and intraband absorption of Ge/Si self-assembled islands. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 16, 450-454	3	7
167	Long wavelength room temperature laser operation of a strained InGaAs/GaAs quantum well structure monolithically grown by metalorganic chemical vapour deposition on a low energy-plasma enhanced chemical vapour deposition graded misoriented Ge/Si virtual substrate. <i>Optical Materials</i> , 2005 , 27, 846-850	3.3	7
166	Ultra-fast nonlinear response around 1.5 µm in 2D AlGaAs/AlOx photonic crystal. <i>Applied Physics B: Lasers and Optics</i> , 2005 , 81, 333-336	1.9	7
165	Temporal localized structures in mode-locked vertical external-cavity surface-emitting lasers. <i>Optics Letters</i> , 2018 , 43, 5367-5370	3	7
164	Harmonic generation with multi-layer dielectric metasurfaces. <i>Nanophotonics</i> , 2021 ,	6.3	7
163	Noise Investigation of a Dual-Frequency VECSEL for Application to Cesium Clocks. <i>Journal of Lightwave Technology</i> , 2018 , 36, 3882-3891	4	6
162	Photonic crystal-based flat lens integrated on a Bragg mirror for high-Q external cavity low noise laser. <i>Optics Express</i> , 2014 , 22, 5962-76	3.3	6
161	Cooperative Lamb shift and superradiance in an optoelectronic device. <i>New Journal of Physics</i> , 2017 , 19, 043006	2.9	6
160	Phase formation sequence in the Ti/InP system during thin film solid-state reactions. <i>Journal of Applied Physics</i> , 2017 , 121, 245311	2.5	6
159	Electrical excitation of superradiant intersubband plasmons. <i>Applied Physics Letters</i> , 2015 , 107, 241112	3.4	6
158	Two-photon injection of polaritons in semiconductor microstructures. <i>Optics Letters</i> , 2014 , 39, 307-10	3	6
157	Design and properties of high-power highly coherent single-frequency VECSEL emitting in the near-to mid-IR for photonic applications 2011 ,		6
156	All-Optical, All-Fibered Ultrafast Switching in 2-D InP-Based Photonic Crystal Nanocavity. <i>IEEE Photonics Journal</i> , 2010 , 2, 642-651	1.8	6
155	Resonant coupling of quantum dot intersublevel transitions with midinfrared photonic crystal modes. <i>Applied Physics Letters</i> , 2009 , 95, 041108	3.4	6
154	Evidence of ultra low microwave additive phase noise for an optical RF link based on a class-AA semiconductor laser. <i>Optics Express</i> , 2008 , 16, 10091-7	3.3	6
153	Chirp and linewidth enhancement factor of tunable, optically-pumped long wavelength VCSEL. <i>Electronics Letters</i> , 2004 , 40, 242	1.1	6

152	Buried dislocation networks designed to organize the growth of III-V semiconductor nanostructures. <i>Physical Review B</i> , 2004 , 70,	3.3	6
151	Performance comparison of strained InGaAs/GaAs and InGaAs/GaAs QW laser diodes grown by MOVPE. <i>Electronics Letters</i> , 2000 , 36, 436	1.1	6
150	Normal-incidence (001) second-harmonic generation in ordered Ga _{0.5} In _{0.5} P. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2001 , 18, 81	1.7	6
149	High-speed THz spectroscopic imaging at ten kilohertz pixel rate with amplitude and phase contrast. <i>Optics Express</i> , 2019 , 27, 10866-10872	3.3	6
148	Highly coherent modeless broadband semiconductor laser. <i>Optics Letters</i> , 2015 , 40, 4301-4	3	5
147	Sub-nanometrically resolved chemical mappings of quantum-cascade laser active regions. <i>Semiconductor Science and Technology</i> , 2016 , 31, 055017	1.8	5
146	High-power tunable low-noise coherent source at 1.06 μm based on a surface-emitting semiconductor laser. <i>Applied Optics</i> , 2018 , 57, 5224-5229	1.7	5
145	High-quality InAs/GaAs quantum dots grown by low-pressure metalorganic vapor-phase epitaxy. <i>Journal of Crystal Growth</i> , 1998 , 195, 524-529	1.6	5
144	Time resolved nonlinear spectroscopy at the band edge of 1D photonic crystals. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 224005	3	5
143	Light emission and enhanced nonlinearity in nanophotonic waveguide circuits by III-V/silicon-on-insulator heterogeneous integration. <i>Journal of Applied Physics</i> , 2008 , 104, 033117	2.5	5
142	Carrier dynamics in Ga _{0.53} In _{0.47} As/InP near-surface quantum wells. <i>Applied Physics Letters</i> , 2005 , 87, 012107	3.4	5
141	Intersubband quantum cascades in the Si/SiGe material system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 829-834	3	5
140	Continuous-wave operation of monolithically grown 1.5-microm optically pumped vertical-external-cavity surface-emitting lasers. <i>Applied Optics</i> , 2003 , 42, 6678-81	1.7	5
139	Tunable and wavelength selective pin photodiode. <i>Electronics Letters</i> , 2004 , 40, 388	1.1	5
138	Conduction band discontinuity and electron mobility in a strained Si/SiGe heterostructure. <i>Applied Surface Science</i> , 1996 , 102, 202-207	6.7	5
137	Equalization of pulse timings in an excitable microlaser system with delay. <i>Physical Review Research</i> , 2020 , 2,	3.9	5
136	Superharmonic resonances in a two-dimensional non-linear photonic-crystal nano-electro-mechanical oscillator. <i>Applied Physics Letters</i> , 2016 , 108, 163102	3.4	5
135	Nonlinear Polariton Localization in Strongly Coupled Driven-Dissipative Microcavities. <i>ACS Photonics</i> , 2018 , 5, 95-99	6.3	4

134	Towards contact integration for III-V/Silicon heterogeneous photonics devices 2016 ,		4
133	Optical cavity mode dynamics and coherent phonon generation in high-Q micropillar resonators. <i>Physical Review A</i> , 2018 , 98,	2.6	4
132	Oxide-Free Bonding of III-V-Based Material on Silicon and Nano-Structuration of the Hybrid Waveguide for Advanced Optical Functions. <i>Photonics</i> , 2015 , 2, 1054-1064	2.2	4
131	Destruction and recurrence of excitons by acoustic shock waves on picosecond time scales. <i>Physical Review B</i> , 2012 , 86,	3.3	4
130	Atomic-plane-thick reconstruction across the interface during heteroepitaxial bonding of InP-clad quantum wells to Si 2012 ,		4
129	Heteroepitaxial bonding of Si for hybrid photonic devices. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1510, 1		4
128	(Invited) Strain Engineering for Optical Gain in Germanium. <i>ECS Transactions</i> , 2013 , 50, 363-370	1	4
127	Photonic-crystal surface-emitting laser near 1.55 [μm] on gold-coated silicon wafer. <i>Electronics Letters</i> , 2007 , 43, 343	1.1	4
126	Anticrossing between heavy-hole states in Si _{0.2} Ge _{0.8} /Si-coupled quantum wells grown on Si _{0.5} Ge _{0.5} pseudosubstrate. <i>Applied Physics Letters</i> , 2004 , 84, 2497-2499	3.4	4
125	Dislocation networks adapted to order the growth of III-V semiconductor nanostructures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 1933-1937		4
124	1.3 μm electroluminescence of LP-MOVPE grown InAs/GaAs quantum dots, and influence of the re-growth temperature on the spectral response. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000 , 78, 145-147	3.1	4
123	Photoinduced infrared spectroscopy of bound-to-bound and bound-to-continuum transitions in SiGe/Si quantum wells. <i>Superlattices and Microstructures</i> , 1996 , 19, 33-38	2.8	4
122	Photo-induced intersubband absorption in Si/Si _{1-x} Ge _x quantum wells. <i>Applied Surface Science</i> , 1996 , 102, 342-345	6.7	4
121	Tunable Infrared Detection using Epitaxial Silicide/Silicon Heterostructures. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 320, 65		4
120	Room Temperature Electron Mobility Enhancement in a Strained Si Channel. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 379, 321		4
119	Single-frequency tunable VECSEL around the cesium D 2 line 2008 ,		4
118	Fully-correlated multi-mode pumping for low-noise dual-frequency VECSELs. <i>Optics Express</i> , 2018 , 26, 26217-26226	3.3	4
117	Solving thermal issues in tensile-strained Ge microdisks. <i>Optics Express</i> , 2018 , 26, 28376-28384	3.3	4

116	Orbital angular momentum bistability in a microlaser. <i>Optics Letters</i> , 2019 , 44, 4531-4534	3	4
115	Cavity-based photoconductive sources for real-time terahertz imaging. <i>Photonics Research</i> , 2020 , 8, 858-6		4
114	Slow propagation of 2 GHz acoustical waves in a suspended GaAs phononic waveguide on insulator. <i>Applied Physics Letters</i> , 2020 , 117, 193501	3-4	4
113	Measuring Topological Invariants in a Polaritonic Analog of Graphene. <i>Physical Review Letters</i> , 2021 , 126, 127403	7-4	4
112	Accurate measurement of a 96% input coupling into a cavity using polarization tomography. <i>Applied Physics Letters</i> , 2018 , 112, 201101	3-4	4
111	Surface emitting thermally assisted polaritonic light-emitting device. <i>Applied Physics Letters</i> , 2017 , 110, 081108	3-4	3
110	Multi-Terahertz Sideband Generation on an Optical Telecom Carrier with a Quantum Cascade Laser. <i>ACS Photonics</i> , 2018 , 5, 890-896	6-3	3
109	Locally measuring the adhesion of InP directly bonded on sub-100 nm patterned Si. <i>Nanotechnology</i> , 2016 , 27, 115707	3-4	3
108	Pulse-to-pulse jitter measurement by photon correlation in high-power lasers. <i>Applied Physics Letters</i> , 2015 , 106, 031108	3-4	3
107	Enhancement of a nano cavity lifetime by induced slow light and nonlinear dispersions. <i>Optics Express</i> , 2012 , 20, 27403-10	3-3	3
106	Optical parametric oscillation in 1D semiconductor microcavities. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 896-899	1-3	3
105	Structural analysis of site-controlled InAs/InP quantum dots. <i>Journal of Crystal Growth</i> , 2011 , 334, 37-39	1.6	3
104	Localized states and excitability in a monolithic VCSEL with saturable absorber 2011 ,		3
103	Spectral Behavior and Dispersionless Propagation in Indium Phosphide Suspended Photonic Wires. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 775-777	2-2	3
102	First results on the Apollon project multi-approach for high efficiency integrated and intelligent concentrating PV modules (systems) 2009 ,		3
101	Thermodynamic analysis of the shape, anisotropy and formation process of InAs/InP(001) quantum dots and quantum sticks grown by metalorganic vapor phase epitaxy. <i>Surface Science</i> , 2007 , 601, 2765-2768	1-8	3
100	Longitudinal mode selection in constricted photonic crystal guides and electrically injected lasers. <i>Journal of Lightwave Technology</i> , 2005 , 23, 1363-1368	4	3
99	3D photonic crystals based on epitaxial III-V semiconductor structures for nonlinear optical interactions 2006 ,		3

98	AM and RIN of a tunable optically pumped 1.6- μm VCSEL. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 723-725	2.2	3
97	InP-based wavelength tunable vertical cavity surface emitting laser structures. <i>Comptes Rendus Physique</i> , 2003 , 4, 675-685	1.4	3
96	Stress-driven self-ordering of III-V nanostructures. <i>Journal of Crystal Growth</i> , 2005 , 275, e2245-e2249	1.6	3
95	Influence of the thermal treatment on the optical and structural properties of 1.3 μm emitting LP-MOVPE grown InAs/GaAs quantum dots. <i>Optical Materials</i> , 2001 , 17, 263-266	3.3	3
94	Deep in situ dry-etch monitoring of III-V multilayer structures using laser reflectometry and reflectivity modeling. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2002 , 20, 748-753	2.9	3
93	Room temperature continuous wave operation under optical pumping of a 1.48 μm vertical cavity laser based on AlGaAsSb mirror. <i>Journal of Crystal Growth</i> , 1999 , 201-202, 837-840	1.6	3
92	Electron mobility enhancement in a strained Si channel. <i>Journal of Crystal Growth</i> , 1995 , 157, 367-372	1.6	3
91	Charge transfer in p+-Si / Si _{1-x} Ge _x modulation doped heterostructures grown by RTCVD. <i>Microelectronic Engineering</i> , 1994 , 25, 171-176	2.5	3
90	Semiconductor disk laser in bi-frequency operation by laser ablation micromachining of a laser mirror. <i>Optics Express</i> , 2019 , 27, 22316-22326	3.3	3
89	Lasing in optically induced gap states in photonic graphene 2018 , 5,		3
88	Metallurgical studies of integrable Ni-based contacts for their use in III-V/Si heterogeneous photonics devices 2016 ,		3
87	10 Gbit s ⁻¹ Free Space Data Transmission at 9 μm Wavelength With Unipolar Quantum Optoelectronics. <i>Laser and Photonics Reviews</i> , 2022 , 16, 2100414	8.3	3
86	III-V/Silicon Hybrid Non-linear Nanophotonics in the Context of On-Chip Optical Signal Processing and Analog Computing. <i>Frontiers in Physics</i> , 2019 , 7,	3.9	2
85	Overcomplete quantum tomography of a path-entangled two-photon state. <i>Physical Review A</i> , 2019 , 99,	2.6	2
84	Optimal architecture for diamond-based wide-field thermal imaging. <i>AIP Advances</i> , 2020 , 10, 025027	1.5	2
83	Theoretical and experimental investigation of optically spin-injected VECSEL 2016 ,		2
82	All-optical switching in a vertical microcavity-integrated monolayer graphene device 2014 ,		2
81	Instrumented nanoindentation and scanning electron transmission microscopy applied to the study of the adhesion of InP membranes heteroepitaxially bonded to Si. <i>EPJ Applied Physics</i> , 2014 , 65, 20702	1.1	2

80	Dissipative Soliton Fiber Laser Mode-Locked With a Resonant InGaAs-Based Saturable Absorber Mirror. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1772-1775	2.2	2
79	Strain engineering in germanium microdisks 2014 ,		2
78	Industrial integration of high coherence tunable VECSEL in the NIR and MIR 2014 ,		2
77	Observation of noise phase locking in a single-frequency VECSEL. <i>Optics Express</i> , 2011 , 19, 17250-9	3.3	2
76	Stimulated emission in single tensile-strained Ge photonic wire 2011 ,		2
75	Energy scaling of femtosecond and picosecond fiber oscillators beyond the microjoule level 2009 ,		2
74	Evaluation of the single-frequency operation of a short vertical external-cavity semiconductor laser at 852 nm 2012 ,		2
73	Recombination of carriers in SiGe/Si heterostructures measured by photomodulated intersubband absorption. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1998 , 2, 777-780	3	2
72	De-relaxation of plastically relaxed InAs/GaAs quantum dots during the growth of a GaAs encapsulation layer. <i>Journal of Crystal Growth</i> , 2008 , 310, 536-540	1.6	2
71	Enhanced kinetics of Al _{0.97} Ga _{0.03} As wet oxidation through the use of hydrogenation. <i>Applied Physics Letters</i> , 2006 , 89, 111105	3.4	2
70	Single-frequency high-power continuous-wave oscillation at 1003 nm of an optically pumped semiconductor laser 2006 , 6184, 575		2
69	A new kind of fast quantum-well semiconductor saturable-absorber mirror with low losses for ps pulse generation		2
68	Long-range ordering of III-V semiconductor nanostructures by shallowly buried dislocation networks. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 7941-7946	1.8	2
67	Photoluminescence probing of non-radiative channels in hydrogenated In(Ga)As/GaAs quantum dots. <i>Journal of Crystal Growth</i> , 2004 , 264, 334-338	1.6	2
66	Monolithic tunable InP-based vertical-cavity surface-emitting laser 2002 ,		2
65	Tunable infrared photoemission sensor on silicon using epitaxial heterostructures. <i>Journal of Crystal Growth</i> , 1995 , 157, 195-200	1.6	2
64	Photo-induced intersubband absorption in quantum wells. <i>Journal of Crystal Growth</i> , 1995 , 157, 227-230	1.6	2
63	Infrared absorption in p-type quantum wells: Intersubband transition and free carrier contributions. <i>Solid-State Electronics</i> , 1996 , 40, 123-126	1.7	2

62	The Ir/Si/ErSi ₂ tunable infrared photoemission sensor. <i>Journal of Electronic Materials</i> , 1994 , 23, 497-501	1.9	2
61	Hall Mobility in Strained SiGe p-MOSFETs. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 379, 333		2
60	Excitonic Polaritons in Semiconductor Micropillars. <i>Acta Physica Polonica A</i> , 2008 , 114, 933-943	0.6	2
59	Fiber-integrated microcavities for efficient generation of coherent acoustic phonons. <i>Applied Physics Letters</i> , 2020 , 117, 183102	3.4	2
58	Scaling rules in optomechanical semiconductor micropillars. <i>Physical Review A</i> , 2018 , 98,	2.6	2
57	Industrial integration of high coherence tunable single frequency semiconductor lasers based on VECSEL technology for scientific instrumentation in NIR and MIR 2017 ,		1
56	Neuromimetic dynamics in a micropillar laser with saturable absorber 2015 ,		1
55	Deterministic assembly of a charged-quantum-dot micropillar cavity device. <i>Physical Review B</i> , 2020 , 102,	3.3	1
54	Industrial integration of high coherence tunable VECSEL in the NIR and MIR 2016 ,		1
53	Observation of Photonic Landau Levels in Strained Honeycomb Lattices 2019 ,		1
52	High Q-factor InP Photonic Crystal nanobeam cavities for laser emission 2014 ,		1
51	Self-pulsing and fast excitable response in micropillar and nano-lasers with saturable absorber 2013 ,		1
50	Elaboration of Ni/InP contacts: Solid state reactions and associated mechanisms 2015 ,		1
49	Noise properties of NIR and MIR VECSELS 2013 ,		1
48	Cavity polaritons for new photonic devices 2010 ,		1
47	Ultrasharp edge filtering in nanotethered photonic wires. <i>Applied Physics Letters</i> , 2010 , 97, 191115	3.4	1
46	Thermal improvement of InP wire photonic crystal laser on silicon by addition of Diamond Nanoparticles in polymer bonding layer 2010 ,		1
45	Stabilization of a dual-frequency VECSEL free of relaxation oscillations for microwave photonics applications 2012 ,		1

44	Experimental study of the delayed threshold phenomenon in a class-A VECSEL. <i>EPJ Applied Physics</i> , 2012 , 58, 10501	1.1	1
43	Spectroscopy of intersubband transitions in SiBi _{1-x} Gex quantum wells. <i>Thin Solid Films</i> , 1997 , 294, 173-178		1
42	Si/SiGe valence band offset determination using photoluminescence and DLTS in SiGe quantum-well MOS capacitors. <i>Microelectronic Engineering</i> , 1998 , 43-44, 669-676	2.5	1
41	Ultra low microwave additive phase noise for an optical RF link based on a Class-A semiconductor laser 2008 ,		1
40	Surface-plasmon distributed-feedback mid-infrared quantum cascade lasers based on hybrid plasmon/air-guided modes 2008 ,		1
39	Single frequency free-running low noise compact external-cavity VCSELs at high power level (50mW) 2008 ,		1
38	Spontaneous emission enhancement in quantum cascade structures in the TeraHertz domain. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007 , 4, 524-527		1
37	Indium incorporation in In-rich In _x Ga _{1-x} As layers grown by low-pressure metalorganic vapor-phase epitaxy and its influence on the growth of self-assembled quantum dots. <i>Physical Review B</i> , 2006 , 73,	3.3	1
36	Widely tunable and highly selective monolithic Fabry-Perot filter for dense WDM systems 2005 ,		1
35	Micro-electro-mechanically tunable two-chip VCSELs for long wavelengths		1
34	Stress-engineered orderings of self-assembled III-V semiconductor nanostructures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 1245-1250		1
33	Electroabsorption spectroscopy of GeBi self-assembled islands. <i>Journal of Applied Physics</i> , 2005 , 97, 083525		1
32	Lasing operation under pulsed optical pumping of 1.55 μm external-cavity VCSELs using an InP/AlGaInAs bottom Bragg reflector		1
31	Infrared spectroscopy in p-type SiGe/Si quantum wells. <i>Applied Surface Science</i> , 1996 , 102, 331-335	6.7	1
30	Demonstration of efficient spin injection in a CW VECSEL at RT and dynamic control of its polarization state 2016 ,		1
29	Nonlinear response of a gallium phosphide nanopatterned photonic waveguide in the CW regime. <i>Optics Letters</i> , 2019 , 44, 2823	3	1
28	Generating multi-photon entangled states from a single deterministic single-photon source 2019 ,		1
27	280 GHz Radiation Source Driven by a 1064nm Continuous-Wave Dual-Frequency Vertical External Cavity Semiconductor Laser 2021 ,		1

26	Thermal dissipation dynamics in an optically pumped Photonic Crystal nano-cavity 2009 ,		1
25	Parametric instability in coupled nonlinear microcavities. <i>Physical Review A</i> , 2020 , 102,	2.6	1
24	Manipulation of temporal localized structures in a vertical external-cavity surface-emitting laser with optical feedback. <i>Optics Letters</i> , 2021 , 46, 1109-1112	3	1
23	Optimization of laser dynamics for active stabilization of DF-VECSELs dedicated to cesium CPT clocks. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, 1196	1.7	0
22	Wafer bonding of Si for hybrid photonic devices. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1748, 1		
21	Highly-Doped, Highly-Strained Germanium and Schottky Electroluminescent Diodes. <i>ECS Transactions</i> , 2014 , 64, 359-364		1
20	Plasticity and Fracture of InP/Si Substructures. <i>Materials Science Forum</i> , 2014 , 783-786, 1628-1633	0.4	
19	One Step Nano-Selective Area Growth of Localized InAs/InP Quantum Dots For Single Photon Source Applications. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1228, 120701		
18	Two-dimensional photonic crystals for mid-infrared quantum dot intersublevel emission. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 816-819	1.3	
17	Modal Behavior of Photonic Crystal Tapers for Improved Coupling Toward Cleaved-Facet Single-Mode Fiber. <i>Journal of Lightwave Technology</i> , 2009 , 27, 5168-5172	4	
16	Collective excitations of electron disks in laterally patterned Si/SiGe modulation-doped heterojunctions. <i>Thin Solid Films</i> , 1997 , 294, 315-317	2.2	
15	InAs/InP(001) quantum dots and quantum sticks grown by MOVPE: shape, anisotropy and formation process. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 3928-3931		
14	Indistinguishable single photons from a single InAs quantum dot in a photonic crystal slab cavity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 32, 480-483	3	
13	Material and optical properties of GaAs grown on (001) Ge/Si pseudo-substrate. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 809, B2.4.1		
12	Strain-compensated Si/Si _{0.2} Ge _{0.8} quantum cascade structures grown on Si _{0.5} Ge _{0.5} pseudo-substrates. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 17, 613-617	3	
11	Strain Compensated Si/SiGe Quantum Cascade Emitters Grown On SiGe Pseudosubstrates 2003 , 325-330		
10	Tunable and wavelength-selective PIN diodes 2004 , 5277, 129		
9	Evidence of InterDiffusion Effect in Stacked Polycrystalline SiGe/Si Layers For Cmos Gate Application. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 533, 93		

- 8 Magnetotransport and microwave photoresistivity of two-dimensional hole gases in Si-Si_{1-x}Ge_x heterostructures. *Solid-State Electronics*, **1994**, 37, 953-956 1.7
- 7 Semiconductor quantum plasmons for high frequency thermal emission. *Nanophotonics*, **2020**, 10, 607-615
- 6 Photonic crystal nanobeam cavities with optical resonances around 800 nm. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, 1823 1.7
- 5 Tunable infrared photoemission sensor on Si using epitaxial ErSi₂/Si heterostructures. *European Materials Research Society Symposia Proceedings*, **1993**, 40, 312-316
- 4 Photo-induced intersubband absorption in Si/SiGe quantum wells **1996**, 227-230
- 3 External Control of Dissipative Coupling in a Heterogeneously Integrated Photonic Crystal³BOI Waveguide Optomechanical System. *Photonics*, **2016**, 3, 52 2.2
- 2 Local probing of the interfacial strength in InP/Si substructures. *MRS Advances*, **2016**, 1, 779-784 0.7
- 1 Relaxation mechanism of GaP grown on 001 Si substrates: influence of defects on the growth of AlGaP layers on GaP/Si templates. *Philosophical Magazine*, **2021**, 101, 2189-2199 1.6