

Isabelle Sagnes

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1470233/isabelle-sagnes-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	10 Gbit s ⁻¹ Free Space Data Transmission at 9 μ m Wavelength With Unipolar Quantum Optoelectronics. <i>Laser and Photonics Reviews</i> , 2022 , 16, 2100414	8.3	3
474	280 GHz Radiation Source Driven by a 1064nm Continuous-Wave Dual-Frequency Vertical External Cavity Semiconductor Laser 2021 ,		1
473	Measuring Topological Invariants in a Polaritonic Analog of Graphene. <i>Physical Review Letters</i> , 2021 , 126, 127403	7.4	4
472	Harmonic generation with multi-layer dielectric metasurfaces. <i>Nanophotonics</i> , 2021 ,	6.3	7
471	Bright Polarized Single-Photon Source Based on a Linear Dipole. <i>Physical Review Letters</i> , 2021 , 126, 233604	7.4	13
470	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
469	Hong-Ou-Mandel Interference with Imperfect Single Photon Sources. <i>Physical Review Letters</i> , 2021 , 126, 063602	7.4	9
468	Relaxation mechanism of GaP grown on 001 Si substrates: influence of defects on the growth of AlGaP layers on GaP/Si templates. <i>Philosophical Magazine</i> , 2021 , 101, 2189-2199	1.6	
467	Sequential generation of linear cluster states from a single photon emitter. <i>Nature Communications</i> , 2020 , 11, 5501	17.4	9
466	Deterministic assembly of a charged-quantum-dot micropillar cavity device. <i>Physical Review B</i> , 2020 , 102,	3.3	1
465	Multi-orbital tight binding model for cavity-polariton lattices. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 315402	1.8	10
464	Emergence of criticality through a cascade of delocalization transitions in quasiperiodic chains. <i>Nature Physics</i> , 2020 , 16, 832-836	16.2	14
463	Ultra-low-threshold continuous-wave and pulsed lasing in tensile-strained GeSn alloys. <i>Nature Photonics</i> , 2020 , 14, 375-382	33.9	81
462	Optimal architecture for diamond-based wide-field thermal imaging. <i>AIP Advances</i> , 2020 , 10, 025027	1.5	2
461	Reproducibility of High-Performance Quantum Dot Single-Photon Sources. <i>ACS Photonics</i> , 2020 , 7, 10504-10509	6.9	23
460	Equalization of pulse timings in an excitable microlaser system with delay. <i>Physical Review Research</i> , 2020 , 2,	3.9	5
459	Cavity-based photoconductive sources for real-time terahertz imaging. <i>Photonics Research</i> , 2020 , 8, 858-6		4

458	Semiconductor quantum plasmons for high frequency thermal emission. <i>Nanophotonics</i> , 2020 , 10, 607-615		
457	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
456	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
455	Fiber-integrated microcavities for efficient generation of coherent acoustic phonons. <i>Applied Physics Letters</i> , 2020 , 117, 183102	3.4	2
454	Semi-Dirac Transport and Anisotropic Localization in Polariton Honeycomb Lattices. <i>Physical Review Letters</i> , 2020 , 125, 186601	7.4	8
453	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
452	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
451	Parametric instability in coupled nonlinear microcavities. <i>Physical Review A</i> , 2020 , 102,	2.6	1
450	Nonlinear Polariton Fluids in a Flatband Reveal Discrete Gap Solitons. <i>Physical Review Letters</i> , 2019 , 123, 113901	7.4	22
449	III ν /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
448	Optically controlling the emission chirality of microlasers. <i>Nature Photonics</i> , 2019 , 13, 283-288	33.9	64
447	Overcomplete quantum tomography of a path-entangled two-photon state. <i>Physical Review A</i> , 2019 , 99,	2.6	2
446	Generation of non-classical light in a photon-number superposition. <i>Nature Photonics</i> , 2019 , 13, 803-808	33.9	22
445	Third Order Dispersion in Time-Delayed Systems. <i>Physical Review Letters</i> , 2019 , 123, 043902	7.4	23
444	Type-III and Tilted Dirac Cones Emerging from Flat Bands in Photonic Orbital Graphene. <i>Physical Review X</i> , 2019 , 9,	9.1	30
443	Gallium Phosphide as a Piezoelectric Platform for Quantum Optomechanics. <i>Physical Review Letters</i> , 2019 , 123, 163602	7.4	10
442	Observation of Photonic Landau Levels in Strained Honeycomb Lattices 2019 ,		1
441	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

440	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
439	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
438	Nonlinear response of a gallium phosphide nanopatterned photonic waveguide in the CW regime. <i>Optics Letters</i> , 2019 , 44, 2823	3	1
437	Orbital angular momentum bistability in a microlaser. <i>Optics Letters</i> , 2019 , 44, 4531-4534	3	4
436	Brillouin scattering in hybrid optophononic Bragg micropillar resonators at 300 GHz. <i>Optica</i> , 2019 , 6, 854	8.6	8
435	Interfacing scalable photonic platforms: solid-state based multi-photon interference in a reconfigurable glass chip. <i>Optica</i> , 2019 , 6, 1471	8.6	10
434	Generating multi-photon entangled states from a single deterministic single-photon source 2019 ,		1
433	Photonic crystal nanobeam cavities with optical resonances around 800 nm. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 1823	1.7	
432	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
431	Nonlinear Polariton Localization in Strongly Coupled Driven-Dissipative Microcavities. <i>ACS Photonics</i> , 2018 , 5, 95-99	6.3	4
430	Delayed formation of coherence in the emission dynamics of high-Q nanolasers. <i>Optica</i> , 2018 , 5, 395	8.6	8
429	Pulse train interaction and control in a microcavity laser with delayed optical feedback. <i>Optics Letters</i> , 2018 , 43, 3013-3016	3	12
428	Nonlinear gallium phosphide nanoscale photonics [Invited]. <i>Photonics Research</i> , 2018 , 6, B43	6	14
427	Noise Investigation of a Dual-Frequency VECSEL for Application to Cesium Clocks. <i>Journal of Lightwave Technology</i> , 2018 , 36, 3882-3891	4	6
426	Optical cavity mode dynamics and coherent phonon generation in high-Q micropillar resonators. <i>Physical Review A</i> , 2018 , 98,	2.6	4
425	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
424	Germanium microlasers on metallic pedestals. <i>APL Photonics</i> , 2018 , 3, 106102	5.2	33
423	Fully-correlated multi-mode pumping for low-noise dual-frequency VECSELs. <i>Optics Express</i> , 2018 , 26, 26217-26226	3.3	4

422	Solving thermal issues in tensile-strained Ge microdisks. <i>Optics Express</i> , 2018 , 26, 28376-28384	3.3	4
421	Temporal localized structures in mode-locked vertical external-cavity surface-emitting lasers. <i>Optics Letters</i> , 2018 , 43, 5367-5370	3	7
420	Lasing in optically induced gap states in photonic graphene 2018 , 5,		3
419	Scaling rules in optomechanical semiconductor micropillars. <i>Physical Review A</i> , 2018 , 98,	2.6	2
418	Unstable and stable regimes of polariton condensation. <i>Optica</i> , 2018 , 5, 1163	8.6	21
417	Resonant intersubband polariton-LO phonon scattering in an optically pumped polaritonic device. <i>Applied Physics Letters</i> , 2018 , 112, 191106	3.4	10
416	Accurate measurement of a 96% input coupling into a cavity using polarization tomography. <i>Applied Physics Letters</i> , 2018 , 112, 201101	3.4	4
415	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 1-11	3.8	7
414	Orbital Edge States in a Photonic Honeycomb Lattice. <i>Physical Review Letters</i> , 2017 , 118, 107403	7.4	53
413	Industrial integration of high coherence tunable single frequency semiconductor lasers based on VCSEL technology for scientific instrumentation in NIR and MIR 2017 ,		1
412	Surface emitting thermally assisted polaritonic light-emitting device. <i>Applied Physics Letters</i> , 2017 , 110, 081108	3.4	3
411	Active demultiplexing of single photons from a solid-state source. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600297	8.3	35
410	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
409	Hybrid indium phosphide-on-silicon nanolaser diode. <i>Nature Photonics</i> , 2017 , 11, 297-300	33.9	120
408	A solid-state single-photon filter. <i>Nature Nanotechnology</i> , 2017 , 12, 663-667	28.7	49
407	Boson Sampling with Single-Photon Fock States from a Bright Solid-State Source. <i>Physical Review Letters</i> , 2017 , 118, 130503	7.4	115
406	Lasing in topological edge states of a one-dimensional lattice. <i>Nature Photonics</i> , 2017 , 11, 651-656	33.9	390
405	Asymmetric noise sensitivity of pulse trains in an excitable microlaser with delayed optical feedback. <i>Physical Review A</i> , 2017 , 96,	2.6	13

404	CMOS-Compatible Contacts to n-InP. <i>IEEE Transactions on Electron Devices</i> , 2017 , 64, 4408-4414	2.9	9
403	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
402	Midinfrared Ultrastrong Light-Matter Coupling for THz Thermal Emission. <i>ACS Photonics</i> , 2017 , 4, 2550-2555	5.5	20
401	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. <i>Physical Review B</i> , 2017 , 95,	3.3	45
400	Nanostructured diode for infrared photodetection through nondegenerate two-photon absorption. <i>Applied Physics Letters</i> , 2017 , 111, 041102	3.4	8
399	Cooperative Lamb shift and superradiance in an optoelectronic device. <i>New Journal of Physics</i> , 2017 , 19, 043006	2.9	6
398	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
397	Probing a Dissipative Phase Transition via Dynamical Optical Hysteresis. <i>Physical Review Letters</i> , 2017 , 118, 247402	7.4	85
396	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
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	Tomography of the optical polarization rotation induced by a single quantum dot in a cavity. <i>Optica</i> , 2017 , 4, 1326	8.6	8
393	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
392	Stochastic precession of the polarization in a polariton laser. <i>Physical Review B</i> , 2016 , 93,	3.3	11
391	Bosonic Condensation and Disorder-Induced Localization in a Flat Band. <i>Physical Review Letters</i> , 2016 , 116, 066402	7.4	190
390	Spatiotemporal Chaos Induces Extreme Events in an Extended Microcavity Laser. <i>Physical Review Letters</i> , 2016 , 116, 013901	7.4	50
389	Phase-Controlled Bistability of a Dark Soliton Train in a Polariton Fluid. <i>Physical Review Letters</i> , 2016 , 117, 217401	7.4	31
388	Spike latency and response properties of an excitable micropillar laser. <i>Physical Review E</i> , 2016 , 94, 042219	1.9	27
387	Interaction-induced hopping phase in driven-dissipative coupled photonic microcavities. <i>Nature Communications</i> , 2016 , 7, 11887	17.4	56

386	Towards contact integration for III/V/Silicon heterogeneous photonics devices 2016 ,		4
385	Coherent manipulation of a solid-state artificial atom with few photons. <i>Nature Communications</i> , 2016 , 7, 11986	17.4	42
384	Tensile-strained germanium microdisks with circular Bragg reflectors. <i>Applied Physics Letters</i> , 2016 , 108, 091103	3.4	16
383	Sub-nanometrically resolved chemical mappings of quantum-cascade laser active regions. <i>Semiconductor Science and Technology</i> , 2016 , 31, 055017	1.8	5
382	High Q factor InP photonic crystal nanobeam cavities on silicon wire waveguides. <i>Optics Letters</i> , 2016 , 41, 579-82	3	14
381	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
380	Locally measuring the adhesion of InP directly bonded on sub-100 nm patterned Si. <i>Nanotechnology</i> , 2016 , 27, 115707	3.4	3
379	Direct Band Gap Germanium Microdisks Obtained with Silicon Nitride Stressor Layers. <i>ACS Photonics</i> , 2016 , 3, 443-448	6.3	45
378	Theoretical and experimental investigation of optically spin-injected VECSEL 2016 ,		2
377	Industrial integration of high coherence tunable VECSEL in the NIR and MIR 2016 ,		1
376	Near-optimal single-photon sources in the solid state. <i>Nature Photonics</i> , 2016 , 10, 340-345	33.9	603
375	Demonstration of efficient spin injection in a CW VECSEL at RT and dynamic control of its polarization state 2016 ,		1
374	External Control of Dissipative Coupling in a Heterogeneously Integrated Photonic Crystal/SOI Waveguide Optomechanical System. <i>Photonics</i> , 2016 , 3, 52	2.2	
373	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
372	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
371	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
370	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
369	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

368	Local probing of the interfacial strength in InP/Si substructures. <i>MRS Advances</i> , 2016 , 1, 779-784	0.7	
367	Scalable performance in solid-state single-photon sources. <i>Optica</i> , 2016 , 3, 433	8.6	83
366	Metallurgical studies of integrable Ni-based contacts for their use in III/V/Si heterogeneous photonics devices 2016 ,		3
365	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
364	Spontaneous mirror-symmetry breaking in coupled photonic-crystal nanolasers. <i>Nature Photonics</i> , 2015 , 9, 311-315	33.9	104
363	Spin-Orbit Coupling for Photons and Polaritons in Microstructures. <i>Physical Review X</i> , 2015 , 5,	9.1	96
362	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
361	Tensile-strained germanium microdisk electroluminescence. <i>Optics Express</i> , 2015 , 23, 6722-30	3.3	20
360	Neuromimetic dynamics in a micropillar laser with saturable absorber 2015 ,		1
359	Edge states in polariton honeycomb lattices. <i>2D Materials</i> , 2015 , 2, 034012	5.9	53
358	Bright Phonon-Tuned Single-Photon Source. <i>Nano Letters</i> , 2015 , 15, 6290-4	11.5	32
357	Highly coherent modeless broadband semiconductor laser. <i>Optics Letters</i> , 2015 , 40, 4301-4	3	5
356	Radiatively Broadened Incandescent Sources. <i>ACS Photonics</i> , 2015 , 2, 1663-1668	6.3	9
355	Nonequilibrium polariton condensate in a magnetic field. <i>Physical Review B</i> , 2015 , 91,	3.3	23
354	Cavity-enhanced two-photon interference using remote quantum dot sources. <i>Physical Review B</i> , 2015 , 92,	3.3	42
353	Superradiant Emission from a Collective Excitation in a Semiconductor. <i>Physical Review Letters</i> , 2015 , 115, 187402	7.4	37
352	Electrical excitation of superradiant intersubband plasmons. <i>Applied Physics Letters</i> , 2015 , 107, 241112	3.4	6
351	Integrated III-V Photonic Crystal--Si waveguide platform with tailored optomechanical coupling. <i>Scientific Reports</i> , 2015 , 5, 16526	4.9	15

350	Realization of an all optical exciton-polariton router. <i>Applied Physics Letters</i> , 2015 , 107, 201115	3.4	52
349	Elaboration of Ni/InP contacts: Solid state reactions and associated mechanisms 2015 ,		1
348	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
347	Pulse-to-pulse jitter measurement by photon correlation in high- β lasers. <i>Applied Physics Letters</i> , 2015 , 106, 031108	3.4	3
346	Macroscopic rotation of photon polarization induced by a single spin. <i>Nature Communications</i> , 2015 , 6, 6236	17.4	52
345	Temporal summation in a neuromimetic micropillar laser. <i>Optics Letters</i> , 2015 , 40, 5690-3	3	29
344	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
343	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
342	Acoustic black hole in a stationary hydrodynamic flow of microcavity polaritons. <i>Physical Review Letters</i> , 2015 , 114, 036402	7.4	79
341	Polariton-generated intensity squeezing in semiconductor micropillars. <i>Nature Communications</i> , 2014 , 5, 3260	17.4	54
340	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
339	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
338	Relative refractory period in an excitable semiconductor laser. <i>Physical Review Letters</i> , 2014 , 112, 183902	7.4	91
337	Frequency cavity pulling induced by a single semiconductor quantum dot. <i>Physical Review B</i> , 2014 , 89,	3.3	20
336	High Q-factor InP Photonic Crystal nanobeam cavities for laser emission 2014 ,		1
335	All-optical switching in a vertical microcavity-integrated monolayer graphene device 2014 ,		2
334	. <i>Journal of Lightwave Technology</i> , 2014 , 32, 3817-3823	4	21
333	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

332	Fractal energy spectrum of a polariton gas in a Fibonacci quasiperiodic potential. <i>Physical Review Letters</i> , 2014 , 112, 146404	7.4	70
331	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
330	Ultra-strong light-matter coupling for designer Reststrahlen band. <i>New Journal of Physics</i> , 2014 , 16, 043029	2.9	59
329	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
328	Strain engineering in germanium microdisks 2014 ,		2
327	Two-photon injection of polaritons in semiconductor microstructures. <i>Optics Letters</i> , 2014 , 39, 307-10	3	6
326	Photonic molecules: tailoring the coupling strength and sign. <i>Optics Express</i> , 2014 , 22, 12359-68	3.3	33
325	Circuit-tunable sub-wavelength THz resonators: hybridizing optical cavities and loop antennas. <i>Optics Express</i> , 2014 , 22, 21302-12	3.3	15
324	Thermal management in hybrid InP/silicon photonic crystal nanobeam laser. <i>Optics Express</i> , 2014 , 22, 10570-8	3.3	15
323	Cavity-Enhanced Real-Time Monitoring of Single-Charge Jumps at the Microsecond Time Scale. <i>Physical Review X</i> , 2014 , 4,	9.1	14
322	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
321	Schottky electroluminescent diodes with n-doped germanium. <i>Applied Physics Letters</i> , 2014 , 104, 241104	3.4	8
320	Industrial integration of high coherence tunable VECSEL in the NIR and MIR 2014 ,		2
319	Wafer bonding of Si for hybrid photonic devices. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1748, 1		
318	Highly-Doped, Highly-Strained Germanium and Schottky Electroluminescent Diodes. <i>ECS Transactions</i> , 2014 , 64, 359-364	1	
317	Plasticity and Fracture of InP/Si Substructures. <i>Materials Science Forum</i> , 2014 , 783-786, 1628-1633	0.4	
316	All-optical phase modulation in a cavity-polariton Mach-Zehnder interferometer. <i>Nature Communications</i> , 2014 , 5, 3278	17.4	97
315	Deterministic and electrically tunable bright single-photon source. <i>Nature Communications</i> , 2014 , 5, 3240	7.4	85

314	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
313	Influence of the Purcell effect on the purity of bright single photon sources. <i>Applied Physics Letters</i> , 2013 , 103, 033113	3-4	15
312	Entangling quantum-logic gate operated with an ultrabright semiconductor single-photon source. <i>Physical Review Letters</i> , 2013 , 110, 250501	7-4	36
311	Polariton condensation in solitonic gap states in a one-dimensional periodic potential. <i>Nature Communications</i> , 2013 , 4, 1749	17.4	128
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	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
308	Optical critical coupling into highly confining metal-insulator-metal resonators. <i>Applied Physics Letters</i> , 2013 , 103, 091110	3-4	26
307	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}		17
306	Self-pulsing and fast excitable response in micropillar and nano-lasers with saturable absorber 2013 , ,		1
305	Hybrid electronic-photonic subwavelength cavities operating at terahertz frequencies. <i>Physical Review B</i> , 2013 , 87,	3-3	10
304	Bright solid-state sources of indistinguishable single photons. <i>Nature Communications</i> , 2013 , 4, 1425	17.4	257
303	Macroscopic quantum self-trapping and Josephson oscillations of exciton polaritons. <i>Nature Physics</i> , 2013 , 9, 275-279	16.2	194
302	Realization of a double-barrier resonant tunneling diode for cavity polaritons. <i>Physical Review Letters</i> , 2013 , 110, 236601	7-4	101
301	Photonic crystal coupled cavities with increased beaming and free space coupling efficiency. <i>Applied Physics Letters</i> , 2013 , 102, 011107	3-4	9
300	Uniformity of the lasing wavelength of heterogeneously integrated InP microdisk lasers on SOI. <i>Optics Express</i> , 2013 , 21, 10622-31	3-3	15
299	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
298	Recent advances in germanium emission [Invited]. <i>Photonics Research</i> , 2013 , 1, 102	6	68
297	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

296	Tensile-strained germanium microdisks. <i>Applied Physics Letters</i> , 2013 , 102, 221112	3-4	63
295	Intensity noise correlations in a two-frequency VECSEL. <i>Optics Express</i> , 2013 , 21, 2538-50	3-3	18
294	Heteroepitaxial bonding of Si for hybrid photonic devices. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1510, 1		4
293	(Invited) Strain Engineering for Optical Gain in Germanium. <i>ECS Transactions</i> , 2013 , 50, 363-370	1	4
292	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
291	Optical parametric oscillation in one-dimensional microcavities. <i>Physical Review B</i> , 2013 , 87,	3-3	15
290	Unequivocal differentiation of coherent and chaotic light through interferometric photon correlation measurements. <i>Physical Review Letters</i> , 2013 , 110, 163603	7-4	20
289	Theory of interferometric photon-correlation measurements: Differentiating coherent from chaotic light. <i>Physical Review A</i> , 2013 , 88,	2-6	8
288	Noise properties of NIR and MIR VECSELS 2013 ,		1
287	Noise properties of NIR and MIR VECSELS 2013 ,		11
286	Destruction and recurrence of excitons by acoustic shock waves on picosecond time scales. <i>Physical Review B</i> , 2012 , 86,	3-3	4
285	Propagation and amplification dynamics of 1D polariton condensates. <i>Physical Review Letters</i> , 2012 , 109, 216404	7-4	90
284	Atomic-plane-thick reconstruction across the interface during heteroepitaxial bonding of InP-clad quantum wells to Si 2012 ,		4
283	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
282	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
281	Enhancement of a nano cavity lifetime by induced slow light and nonlinear dispersions. <i>Optics Express</i> , 2012 , 20, 27403-10	3-3	3
280	Optical nonlinearity for few-photon pulses on a quantum dot-pillar cavity device. <i>Physical Review Letters</i> , 2012 , 109, 166806	7-4	60
279	Nonlinear mechanics with suspended nanomembranes. <i>Europhysics Letters</i> , 2012 , 100, 68005	1-6	19

278	Charge-induced coherence between intersubband plasmons in a quantum structure. <i>Physical Review Letters</i> , 2012 , 109, 246808	7.4	74
277	Backscattering suppression in supersonic 1D polariton condensates. <i>Physical Review Letters</i> , 2012 , 108, 036405	7.4	17
276	Optical parametric oscillation in 1D semiconductor microcavities. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 896-899	1.3	3
275	Polariton condensation in photonic molecules. <i>Physical Review Letters</i> , 2012 , 108, 126403	7.4	105
274	Electrical modulation of the complex refractive index in mid-infrared quantum cascade lasers. <i>Optics Express</i> , 2012 , 20, 1172-83	3.3	11
273	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
272	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
271	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
270	Bunching visibility of optical parametric emission in a semiconductor microcavity. <i>Physical Review B</i> , 2012 , 86,	3.3	10
269	Control of tensile strain in germanium waveguides through silicon nitride layers. <i>Applied Physics Letters</i> , 2012 , 100, 201104	3.4	49
268	Stabilization of a dual-frequency VECSEL free of relaxation oscillations for microwave photonics applications 2012 ,		1
267	Sub-wavelength energy concentration with electrically generated mid-infrared surface plasmons. <i>Optics Express</i> , 2012 , 20, 13738-47	3.3	8
266	Evaluation of the single-frequency operation of a short vertical external-cavity semiconductor laser at 852 nm 2012 ,		2
265	Experimental study of the delayed threshold phenomenon in a class-A VECSEL. <i>EPJ Applied Physics</i> , 2012 , 58, 10501	1.1	1
264	Fast All-Optical 10 Gb/s NRZ Wavelength Conversion and Power Limiting Function using Hybrid InP on SOI Nanocavity 2012 ,		10
263	Spatial, spectral, and polarization properties of coupled micropillar cavities. <i>Applied Physics Letters</i> , 2011 , 99, 101103	3.4	37
262	Optomechanical coupling in a two-dimensional photonic crystal defect cavity. <i>Physical Review Letters</i> , 2011 , 106, 203902	7.4	132
261	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

260	Towards the experimental demonstration of quantum radiation pressure noise. <i>Comptes Rendus Physique</i> , 2011 , 12, 826-836	1.4	9
259	Single InAs _{1-x} P _x /InP quantum dots as telecommunications-band photon sources. <i>Physical Review B</i> , 2011 , 84,	3.3	23
258	Hybrid III-V semiconductor/silicon nanolaser. <i>Optics Express</i> , 2011 , 19, 9221-31	3.3	77
257	Observation of noise phase locking in a single-frequency VECSEL. <i>Optics Express</i> , 2011 , 19, 17250-9	3.3	2
256	Optical gain in single tensile-strained germanium photonic wire. <i>Optics Express</i> , 2011 , 19, 17925-34	3.3	69
255	Enhanced efficiency of the second harmonic inhomogeneous component in an opaque cavity. <i>Optics Letters</i> , 2011 , 36, 1809-11	3	8
254	Deformable two-dimensional photonic crystal slab for cavity optomechanics. <i>Optics Letters</i> , 2011 , 36, 3434-6	3	24
253	Structural analysis of site-controlled InAs/InP quantum dots. <i>Journal of Crystal Growth</i> , 2011 , 334, 37-39	1.6	3
252	Design and properties of high-power highly coherent single-frequency VECSEL emitting in the near-to mid-IR for photonic applications 2011 ,		6
251	Interactions in confined polariton condensates. <i>Physical Review Letters</i> , 2011 , 106, 126401	7.4	124
250	Ultra-low threshold polariton lasing in photonic crystal cavities. <i>Applied Physics Letters</i> , 2011 , 99, 111106	3.4	46
249	Stimulated emission in single tensile-strained Ge photonic wire 2011 ,		2
248	Localized states and excitability in a monolithic VCSEL with saturable absorber 2011 ,		3
247	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
246	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
245	Coupling of a surface plasmon with localized subwavelength microcavity modes. <i>Applied Physics Letters</i> , 2011 , 98, 021105	3.4	44
244	Higher-order photon correlations in pulsed photonic crystal nanolasers. <i>Physical Review A</i> , 2011 , 84,	2.6	31
243	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

242	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
241	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
240	Radiation patterns from coupled photonic crystal nanocavities. <i>Applied Physics Letters</i> , 2011 , 99, 111101	3.4	13
239	Electro-osmotic propulsion of helical nanobelt swimmers. <i>International Journal of Robotics Research</i> , 2011 , 30, 806-819	5.7	38
238	Ultrabright source of entangled photon pairs. <i>Nature</i> , 2010 , 466, 217-20	50.4	413
237	Temporal solitons and pulse compression in photonic crystal waveguides. <i>Nature Photonics</i> , 2010 , 4, 862-868	3.9	145
236	Spontaneous formation and optical manipulation of extended polariton condensates. <i>Nature Physics</i> , 2010 , 6, 860-864	16.2	375
235	Cavity polaritons for new photonic devices 2010 ,		1
234	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
233	Metal-coated nanocylinder cavity for broadband nonclassical light emission. <i>Physical Review Letters</i> , 2010 , 105, 180502	7.4	46
232	Injection of midinfrared surface plasmon polaritons with an integrated device. <i>Applied Physics Letters</i> , 2010 , 97, 211110	3.4	13
231	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
230	Ultrasharp edge filtering in nanotethered photonic wires. <i>Applied Physics Letters</i> , 2010 , 97, 191115	3.4	1
229	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
228	Spontaneous nonground state polariton condensation in pillar microcavities. <i>Physical Review B</i> , 2010 , 81,	3.3	31
227	Polariton parametric oscillation in a single micropillar cavity. <i>Applied Physics Letters</i> , 2010 , 97, 031105	3.4	19
226	Technologies for thermal management of mid-IR Sb-based surface emitting lasers. <i>Semiconductor Science and Technology</i> , 2010 , 25, 045021	1.8	12
225	Microwave modulation of terahertz quantum cascade lasers: a transmission-line approach. <i>Applied Physics Letters</i> , 2010 , 96, 021108	3.4	36

224	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
223	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
222	Semiconductor surface plasmon sources. <i>Physical Review Letters</i> , 2010 , 104, 226806	7.4	41
221	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
220	Measurement of the coupling constant in a two-frequency VECSEL. <i>Optics Express</i> , 2010 , 18, 5008-14	3.3	33
219	Surface-emitting mid-infrared quantum cascade lasers with high-contrast photonic crystal resonators. <i>Optics Express</i> , 2010 , 18, 11979-89	3.3	11
218	Optical properties of metal-dielectric-metal microcavities in the THz frequency range. <i>Optics Express</i> , 2010 , 18, 13886-907	3.3	114
217	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
216	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
215	Polarized single-lobed surface emission in mid-infrared, photonic-crystal, quantum-cascade lasers. <i>Optics Letters</i> , 2010 , 35, 859-61	3	13
214	Demonstration of coherent emission from high-beta photonic crystal nanolasers at room temperature. <i>Optics Letters</i> , 2010 , 35, 1154-6	3	24
213	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
212	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
211	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
210	Thermal improvement of InP wire photonic crystal laser on silicon by addition of Diamond Nanoparticles in polymer bonding layer 2010 ,		1
209	Direct and indirect band gap room temperature electroluminescence of Ge diodes. <i>Journal of Applied Physics</i> , 2010 , 108, 023105	2.5	44
208	Transient thermoreflectance imaging of active photonic crystals. <i>Applied Physics Letters</i> , 2010 , 96, 091103	3.4	10
207	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

206	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
205	Scalable implementation of strongly coupled cavity-quantum dot devices. <i>Applied Physics Letters</i> , 2009 , 94, 121102	3.4	38
204	Terahertz polariton sidebands generated by ultrafast strain pulses in an optical semiconductor microcavity. <i>Physical Review B</i> , 2009 , 80,	3.3	20
203	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
202	Strong light-matter coupling in subwavelength metal-dielectric microcavities at terahertz frequencies. <i>Physical Review Letters</i> , 2009 , 102, 186402	7.4	135
201	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
200	Resonant coupling of quantum dot intersublevel transitions with midinfrared photonic crystal modes. <i>Applied Physics Letters</i> , 2009 , 95, 041108	3.4	6
199	Surface-emitting quantum cascade lasers with metallic photonic-crystal resonators. <i>Applied Physics Letters</i> , 2009 , 94, 221101	3.4	21
198	Hybrid InP-based photonic crystal lasers on silicon on insulator wires. <i>Applied Physics Letters</i> , 2009 , 95, 201119	3.4	17
197	Inductively coupled plasma etching of GaAs suspended photonic crystal cavities. <i>Journal of Vacuum Science & Technology B</i> , 2009 , 27, 1909		13
196	Surface-plasmon distributed-feedback quantum cascade lasers operating pulsed, room temperature. <i>Applied Physics Letters</i> , 2009 , 95, 091105	3.4	8
195	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
194	Energy scaling of femtosecond and picosecond fiber oscillators beyond the microjoule level 2009 ,		2
193	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		
192	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
191	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	
190	Exciton polaritons in two-dimensional photonic crystals. <i>Physical Review B</i> , 2009 , 80,	3.3	26
189	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

188	Single-frequency external-cavity semiconductor ring-laser gyroscope. <i>Optics Letters</i> , 2009 , 34, 97-9	3	20
187	Transient chirp in high-speed photonic-crystal quantum-dot lasers with controlled spontaneous emission. <i>Optics Letters</i> , 2009 , 34, 554-6	3	10
186	Experimental demonstration of a tunable dual-frequency semiconductor laser free of relaxation oscillations. <i>Optics Letters</i> , 2009 , 34, 3421-3	3	46
185	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	
184	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
183	Dynamics of band-edge photonic crystal lasers. <i>Optics Express</i> , 2009 , 17, 3165-72	3-3	19
182	A semiconductor laser device for the generation of surface-plasmons upon electrical injection. <i>Optics Express</i> , 2009 , 17, 9391-400	3-3	22
181	High power single-frequency continuously-tunable compact extended-cavity semiconductor laser. <i>Optics Express</i> , 2009 , 17, 9503-8	3-3	23
180	Thermo-optical dynamics in an optically pumped Photonic Crystal nano-cavity. <i>Optics Express</i> , 2009 , 17, 17118-29	3-3	23
179	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
178	Spectral Behavior and Dispersionless Propagation in Indium Phosphide Suspended Photonic Wires. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 775-777	2-2	3
177	Light transport regimes in slow light photonic crystal waveguides. <i>Physical Review B</i> , 2009 , 80,	3-3	52
176	First results on the apollon project multi-approach for high efficiency integrated and intelligent concentrating PV modules (systems) 2009 ,		3
175	Thermal dissipation dynamics in an optically pumped Photonic Crystal nano-cavity 2009 ,		1
174	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
173	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
172	Evidence of ultra low microwave additive phase noise for an optical RF link based on a class--a semiconductor laser. <i>Optics Express</i> , 2008 , 16, 10091-7	3-3	6
171	Ultra low microwave additive phase noise for an optical RF link based on a Class-A semiconductor laser 2008 ,		1

170	Surface-plasmon distributed-feedback mid-infrared quantum cascade lasers based on hybrid plasmon/air-guided modes 2008 ,		1
169	Single frequency free-running low noise compact external-cavity VCSELs at high power level (50mW) 2008 ,		1
168	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
167	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
166	Time resolved nonlinear spectroscopy at the band edge of 1D photonic crystals. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 224005	3	5
165	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
164	Influence of the material parameters on quantum cascade devices. <i>Applied Physics Letters</i> , 2008 , 93, 131108	3.4	35
163	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
162	Metal organic vapor phase epitaxy of InAsP/InP(001) quantum dots for 1.55 μ m applications: Growth, structural, and optical properties. <i>Journal of Applied Physics</i> , 2008 , 104, 043504	2.5	25
161	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
160	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
159	Thermal emission of midinfrared GaAs photonic crystals. <i>Physical Review B</i> , 2008 , 78,	3.3	9
158	Polariton laser using single micropillar GaAs-GaAlAs semiconductor cavities. <i>Physical Review Letters</i> , 2008 , 100, 047401	7.4	339
157	Homoclinic snaking in a semiconductor-based optical system. <i>Physical Review Letters</i> , 2008 , 101, 253902	7.4	41
156	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
155	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
154	Thermal optimization of 1.55 μ m OP-VECSEL with hybrid metal/thermoelastic mirror for single-mode high power operation. <i>Optical and Quantum Electronics</i> , 2008 , 40, 155-165	2.4	36
153	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

152	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
151	Single-frequency tunable VECSEL around the cesium D 2 line 2008 ,		4
150	Excitonic Polaritons in Semiconductor Micropillars. <i>Acta Physica Polonica A</i> , 2008 , 114, 933-943	0.6	2
149	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
148	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
147	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
146	Photonic-crystal surface-emitting laser near 1.55 [μm] on gold-coated silicon wafer. <i>Electronics Letters</i> , 2007 , 43, 343	1.1	4
145	Density of InAs/InP(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
144	Polariton parametric luminescence in a single micropillar. <i>Applied Physics Letters</i> , 2007 , 90, 051107	3.4	30
143	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
142	Submicron-diameter semiconductor pillar microcavities with very high quality factors. <i>Applied Physics Letters</i> , 2007 , 90, 091120	3.4	25
141	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
140	Continuous-wave 1.55 μm diode-pumped surface emitting semiconductor laser for broadband multiplex spectroscopy. <i>Optics Letters</i> , 2007 , 32, 1387-9	3	10
139	High contrast reflection modulation near 1.55 μm in InP 2D photonic crystals on silicon wafer. <i>Optics Express</i> , 2007 , 15, 1254-60	3.3	7
138	Continuous-wave operation of photonic band-edge laser near 1.55 μm on silicon wafer. <i>Optics Express</i> , 2007 , 15, 7551-6	3.3	36
137	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
136	Towards the creation of quantum dots using FIB technology. <i>Microelectronic Engineering</i> , 2006 , 83, 811-814	3.4	15
135	Nanoepitaxy of InAs/InP quantum dots by metalorganic vapor phase epitaxy for 1.55 μm emitters. <i>Applied Physics Letters</i> , 2006 , 88, 041113	3.4	12

134	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
133	Microphotoluminescence of exciton and biexciton around 1.5ħ from a single InAsInP(001) quantum dot. <i>Applied Physics Letters</i> , 2006 , 88, 133101	3-4	16
132	Optical self-organization and cavity solitons in optically pumped semiconductor microresonators. <i>Physical Review A</i> , 2006 , 74,	2.6	18
131	Indium incorporation in In-rich InxGa1-xAs 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
130	Thermodynamic description of the competition between quantum dots and quantum dashes during metalorganic vapor phase epitaxy in the InAsInP(001) system: Experiment and theory. <i>Physical Review B</i> , 2006 , 74,	3-3	13
129	3D photonic crystals based on epitaxial III-V semiconductor structures for nonlinear optical interactions 2006 ,		3
128	Enhanced kinetics of Al0.97Ga0.03As wet oxidation through the use of hydrogenation. <i>Applied Physics Letters</i> , 2006 , 89, 111105	3-4	2
127	Thermodynamical analysis of the shape and size dispersion of InAsInP(001) quantum dots. <i>Physical Review B</i> , 2006 , 73,	3-3	12
126	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
125	Highly selective and compact tunable MOEMS photonic crystal Fabry-Perot filter. <i>Optics Express</i> , 2006 , 14, 3129-37	3-3	41
124	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
123	Single-frequency high-power continuous-wave oscillation at 1003 nm of an optically pumped semiconductor laser 2006 , 6184, 575		2
122	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		
121	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	
120	Designing novel organogermanium OMVPE precursors for high-purity germanium films. <i>Journal of Crystal Growth</i> , 2006 , 287, 684-687	1.6	25
119	Cavity optimization of optically pumped broad-area microcavity lasers. <i>Applied Physics Letters</i> , 2005 , 86, 151119	3-4	14
118	Widely tunable and highly selective monolithic Fabry-Perot filter for dense WDM systems 2005 ,		1
117	Longitudinal mode selection in constricted photonic crystal guides and electrically injected lasers. <i>Journal of Lightwave Technology</i> , 2005 , 23, 1363-1368	4	3

116	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
115	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
114	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
113	Measuring propagation loss in a multimode semiconductor waveguide. <i>Journal of Applied Physics</i> , 2005 , 97, 073105	2.5	32
112	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
111	Stress-driven self-ordering of III-V nanostructures. <i>Journal of Crystal Growth</i> , 2005 , 275, e2245-e2249	1.6	3
110	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
109	Exploration of the ultimate patterning potential achievable with focused ion beams. <i>Microelectronic Engineering</i> , 2005 , 78-79, 266-278	2.5	31
108	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
107	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
106	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
105	Electroabsorption spectroscopy of GeBi self-assembled islands. <i>Journal of Applied Physics</i> , 2005 , 97, 083525	2.5	1
104	Restoration of photon indistinguishability in the emission of a semiconductor quantum dot. <i>Physical Review B</i> , 2005 , 72,	3.3	65
103	InAs/InP(001) quantum dots emitting at 1.55 μm grown by low-pressure metalorganic vapor-phase epitaxy. <i>Applied Physics Letters</i> , 2005 , 87, 253114	3.4	28
102	High-Q whispering-gallery modes in GaAs/AlOx microdisks. <i>Applied Physics Letters</i> , 2005 , 86, 021103	3.4	12
101	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
100	High performance 1.55 μm vertical external cavity surface emitting laser with broadband integrated dielectric-metal mirror. <i>Electronics Letters</i> , 2004 , 40, 734	1.1	22
99	Wavelength tunable InP-based EP-VECSEL operating at room temperature and in CW at 1.55 μm . <i>Electronics Letters</i> , 2004 , 40, 1490	1.1	10

98	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
97	Room-temperature continuous-wave laser operation of electrically-pumped 1.55 [micro sign]m VCSEL. <i>Electronics Letters</i> , 2004 , 40, 671	1.1	17
96	Chirp and linewidth enhancement factor of tunable, optically-pumped long wavelength VCSEL. <i>Electronics Letters</i> , 2004 , 40, 242	1.1	6
95	Buried dislocation networks designed to organize the growth of III-V semiconductor nanostructures. <i>Physical Review B</i> , 2004 , 70,	3.3	6
94	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
93	Ge/Si self-assembled islands integrated in 2D photonic crystals microcavities for realisation of silicon-based light-emitting devices 2004 , 5450, 369		7
92	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		
91	Room temperature CW lasing operation of monolithically grown 1.55 μ m vertical external cavity surface emitting laser. <i>Optics Communications</i> , 2004 , 230, 419-423	2	14
90	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
89	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
88	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
87	AM and RIN of a tunable optically pumped 1.6- μ m VCSEL. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 723-725	2.2	3
86	Tunable and wavelength-selective PIN diodes 2004 , 5277, 129		
85	Tunable and wavelength selective pin photodiode. <i>Electronics Letters</i> , 2004 , 40, 388	1.1	5
84	Picosecond pulse generation with 1.5 [micro sign]m passively modelocked surface-emitting semiconductor laser. <i>Electronics Letters</i> , 2003 , 39, 846	1.1	26
83	A new concept for tunable long wavelength VCSEL. <i>Optics Communications</i> , 2003 , 222, 341-350	2	20
82	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
81	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

80	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
79	InP-based wavelength tunable vertical cavity surface emitting laser structures. <i>Comptes Rendus Physique</i> , 2003 , 4, 675-685	1.4	3
78	Strain Compensated Si/SiGe Quantum Cascade Emitters Grown On SiGe Pseudosubstrates 2003 , 325-330		
77	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
76	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
75	Intersubband quantum cascades in the Si/SiGe material system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 829-834	3	5
74	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
73	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
72	Silicon-insulator waveguide photodetector with Ge/Si self-assembled islands. <i>Journal of Applied Physics</i> , 2002 , 92, 1858-1861	2.5	23
71	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, 10115	2.5	46
70	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
69	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
68	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
67	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
66	Precursor forms of cavity solitons in nonlinear semiconductor microresonators. <i>Physical Review E</i> , 2002 , 66, 066613	2.4	10
65	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
64	Near-infrared waveguide photodetector with Ge/Si self-assembled quantum dots. <i>Applied Physics Letters</i> , 2002 , 80, 509-511	3.4	66
63	Monolithic tunable InP-based vertical-cavity surface-emitting laser 2002 ,		2

62	∅(2) semiconductor photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 2094	1.7	20
61	Low-cost electrothermally tunable optical microcavities based on GaAs. <i>IEEE Photonics Technology Letters</i> , 2002 , 14, 1566-1568	2.2	18
60	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
59	(InGa)(NAs)/GaAs structures emitting in 1.6 μm wavelength range. <i>Optical Materials</i> , 2001 , 17, 185-188	3.3	10
58	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
57	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
56	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
55	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
54	MOCVD InP/AlGaInAs distributed Bragg reflector for 1.55 μm VCSELs. <i>Electronics Letters</i> , 2001 , 37, 500	1.1	16
53	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
52	GaAs/GaAs twist-bonding for compliant substrates: interface structure and epitaxial growth. <i>Applied Surface Science</i> , 2000 , 164, 15-21	6.7	15
51	Optical pattern formation in passive semiconductor microresonators. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2000 , 2, 443-446		9
50	Performance comparison of strained InGaNAs/GaAs and InGaAs/GaAs QW laser diodes grown by MOVPE. <i>Electronics Letters</i> , 2000 , 36, 436	1.1	6
49	Optical self-organization in bulk and multiquantum well GaAlAs microresonators. <i>Physical Review Letters</i> , 2000 , 84, 6006-9	7.4	48
48	Room temperature enhancement and inhibition of spontaneous emission in semiconductor microcavities. <i>Applied Physics Letters</i> , 2000 , 77, 1345-1347	3.4	19
47	Electroluminescence of Ge/Si self-assembled quantum dots grown by chemical vapor deposition. <i>Applied Physics Letters</i> , 2000 , 77, 1822	3.4	60
46	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
45	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

44	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
43	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
42	+55 $^{\circ}\text{C}$ pulse lasing at 1.56 μm of all-monolithic InGaAlAs/InP vertical cavity lasers. <i>Electronics Letters</i> , 1999 , 35, 811	1.1	11
41	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
40	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
39	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
38	Room-temperature continuous-wave operation VCSEL at 1.48 μm with Sb-based Bragg reflector. <i>Electronics Letters</i> , 1998 , 34, 1402	1.1	15
37	Evidence of InterDiffusion Effect in Stacked Polycrystalline SiGe/Si Layers For Cmos Gate Application. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 533, 93		
36	30 $^{\circ}\text{C}$ CW operation of 1.52 μm 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
35	Recombination processes in SiGe/Si quantum wells measured by photoinduced absorption spectroscopy. <i>Physical Review B</i> , 1997 , 56, 15734-15739	3.3	20
34	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
33	Spectroscopy of intersubband transitions in SiBi $_{1-x}$ Gex quantum wells. <i>Thin Solid Films</i> , 1997 , 294, 173-178		1
32	Collective excitations of electron disks in laterally patterned Si/SiGe modulation-doped heterojunctions. <i>Thin Solid Films</i> , 1997 , 294, 315-317	2.2	
31	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
30	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
29	Conduction band discontinuity and electron mobility in a strained Si/SiGe heterostructure. <i>Applied Surface Science</i> , 1996 , 102, 202-207	6.7	5
28	Infrared spectroscopy in p-type SiGe/Si quantum wells. <i>Applied Surface Science</i> , 1996 , 102, 331-335	6.7	1
27	Photo-induced intersubband absorption in Si/Si $_{1-x}$ Gex quantum wells. <i>Applied Surface Science</i> , 1996 , 102, 342-345	6.7	4

26	Intersubband relaxation time in the valence band of Si/Si _{1-x} Ge quantum wells. <i>Applied Physics Letters</i> , 1996 , 69, 3069-3071	3.4	11
25	Photo-induced intersubband absorption in Si/SiGe quantum wells 1996 , 227-230		
24	Electron mobility enhancement in a strained Si channel. <i>Journal of Crystal Growth</i> , 1995 , 157, 367-372	1.6	3
23	Tunable infrared photoemission sensor on silicon using epitaxial heterostructures. <i>Journal of Crystal Growth</i> , 1995 , 157, 195-200	1.6	2
22	Photo-induced intersubband absorption in quantum wells. <i>Journal of Crystal Growth</i> , 1995 , 157, 227-230	1.6	2
21	Photoinduced intersubband absorption in Si/SiGe quantum wells. <i>Applied Physics Letters</i> , 1995 , 67, 2948-2950	3.4	15
20	Free-carrier and intersubband infrared absorption in p-type Si _{1-x} Ge/Si multiple quantum wells. <i>Physical Review B</i> , 1995 , 51, 14311-14316	3.3	18
19	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
18	Hall Mobility in Strained SiGe p-MOSFETs. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 379, 333		2
17	Room Temperature Electron Mobility Enhancement in a Strained Si Channel. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 379, 321		4
16	Charge transfer in p+-Si / Si _{1-x} Ge modulation doped heterostructures grown by RTCVD. <i>Microelectronic Engineering</i> , 1994 , 25, 171-176	2.5	3
15	Magnetotransport and microwave photoresistivity of two-dimensional hole gases in Si-Si _{1-x} Ge heterostructures. <i>Solid-State Electronics</i> , 1994 , 37, 953-956	1.7	
14	The Ir/Si/ErSi ₂ tunable infrared photoemission sensor. <i>Journal of Electronic Materials</i> , 1994 , 23, 497-501	1.9	2
13	Investigation of two-dimensional hole gases in Si/SiGe heterostructures. <i>Physical Review B</i> , 1993 , 48, 12312-12315	3.3	11
12	Optical absorption evidence of a quantum size effect in porous silicon. <i>Applied Physics Letters</i> , 1993 , 62, 1155-1157	3.4	137
11	Tunable Infrared Detection using Epitaxial Silicide/Silicon Heterostructures. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 320, 65		4
10	Porous silicon: material properties, visible photo- and electroluminescence. <i>Applied Surface Science</i> , 1993 , 65-66, 394-407	6.7	46
9	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

8	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
7	Tunable infrared photoemission sensor on Si using epitaxial ErSi ₂ /Si heterostructures. <i>European Materials Research Society Symposia Proceedings</i> , 1993 , 40, 312-316		
6	Transport and near-infrared optical properties of ErSi ₂ thin films. <i>Journal of Applied Physics</i> , 1992 , 72, 4295-4299	2.5	13
5	Characterization of Porous Silicon: Structural, Optical and Electrical Properties. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 283, 97		15
4	. <i>IEEE Transactions on Electron Devices</i> , 1992 , 39, 200-201	2.9	38
3	Micro-electro-mechanically tunable two-chip VCSELS for long wavelengths		1
2	A new kind of fast quantum-well semiconductor saturable-absorber mirror with low losses for ps pulse generation		2
1	Lasing operation under pulsed optical pumping of 1.55 μm external-cavity VCSELS using an InP/AlGaInAs bottom Bragg reflector		1