

# Kresten Yvind

## List of Publications by Year in descending order

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217  
papers

5,140  
citations

76326

40  
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98798

67  
g-index

221  
all docs

221  
docs citations

221  
times ranked

4304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crosstalk-free all-optical switching enabled by Fano resonance in a multi-mode photonic crystal nanocavity. <i>Optics Express</i> , 2022, 30, 7457.	3.4	6
2	Bright Quantum Dot Single-Photon Emitters at Telecom Bands Heterogeneously Integrated on Si. <i>ACS Photonics</i> , 2022, 9, 2273-2279.	6.6	17
3	Super-broadband on-chip continuous spectral translation unlocking coherent optical communications beyond conventional telecom bands. <i>Nature Communications</i> , 2022, 13, .	12.8	18
4	Electrically-operated buried-heterostructure nanocavity laser with sub-20 $\mu\text{A}$ threshold current. , 2021, , .		0
5	Stimulated Brillouin Scattering on AlGaAs on Sapphire platform. , 2021, , .		1
6	Suppression of avoided resonance crossing in microresonators. <i>Optics Letters</i> , 2021, 46, 3508.	3.3	9
7	Ultra-coherent Fano laser based on a bound state in the continuum. <i>Nature Photonics</i> , 2021, 15, 758-764.	31.4	76
8	Experimental Realization of Topology-Optimized InP Photonic Cavities with Extreme Dielectric Confinement. , 2021, , .		1
9	Direct Optical Modulation of Photonic Crystal Fano Laser via the Mirror. , 2021, , .		0
10	Bidirectional electrostatic MEMS tunable VCSELs. , 2021, , .		0
11	Ultra-compact integrated graphene plasmonic photodetector with bandwidth above 110 GHz. <i>Nanophotonics</i> , 2020, 9, 317-325.	6.0	113
12	Monolithic integration of InP on Si by molten alloy driven selective area epitaxial growth. <i>Nanoscale</i> , 2020, 12, 23780-23788.	5.6	5
13	744-nm wavelength conversion of PAM-4 signal using an AlGaAsOI nanowaveguide. <i>Optics Letters</i> , 2020, 45, 889.	3.3	7
14	Octave-spanning coherent supercontinuum generation in an AlGaAs-on-insulator waveguide. <i>Optics Letters</i> , 2020, 45, 603.	3.3	54
15	Squeezing of intensity noise in nanolasers and nanoLEDs with extreme dielectric confinement. <i>Optica</i> , 2020, 7, 1641.	9.3	23
16	Suppression of Avoided Mode Crossing in High-Index- Contrast AlGaAs-on-Insulator Microresonators. , 2020, , .		0
17	Generation and Coherent Detection of 2- $\mu\text{m}$ -band WDM-QPSK Signals by On-chip Spectral Translation. , 2020, , .		1
18	Broadband Optical Signal Processing in AlGaAs-on-insulator Waveguides. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Generation and heterodyne detection of a 2-1/4m-band 16-QAM signal based on inter-band wavelength conversion. , 2020, , .		0
20	Boardband Coherent Comb Generation in an All-NormalDispersion AlGaAs-on-Sapphire Waveguide. , 2020, , .		0
21	Tunable MEMS VCSEL on Silicon Substrate. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	8
22	Ultra-low power all-optical wavelength conversion of high-speed data signals in high-confinement AlGaAs-on-insulator microresonators. APL Photonics, 2019, 4, .	5.7	26
23	Inâ€Plane Photonic Crystal Devices using Fano Resonances. Laser and Photonics Reviews, 2019, 13, 1900054.	8.7	40
24	Characterization and Optimization of Four-Wave-Mixing Wavelength Conversion System. Journal of Lightwave Technology, 2019, 37, 5628-5636.	4.6	21
25	Emerging Integrated Platforms for Nonlinear Optical Signal Processing. , 2019, , .		0
26	Semiconductor Fano Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-14.	2.9	18
27	Comparison of processing-induced deformations of InP bonded to Si determined by e-beam metrology: Direct vs. adhesive bonding. Microelectronic Engineering, 2019, 214, 93-99.	2.4	14
28	Towards High-Speed Fano Photonic Switches. , 2019, , .		1
29	Low-Power Thermo-Optic Switching Using Photonic Crystal Fano Structure with p-i-n Junction. , 2019, , .		2
30	High-Quality-Factor AlGaAs-on-Sapphire Microring Resonators. Journal of Lightwave Technology, 2019, 37, 868-874.	4.6	34
31	A Versatile Silicon-Silicon Nitride Photonics Platform for Enhanced Functionalities and Applications. Applied Sciences (Switzerland), 2019, 9, 255.	2.5	78
32	High-confinement gallium nitride-on-sapphire waveguides for integrated nonlinear photonics. Optics Letters, 2019, 44, 1064.	3.3	27
33	Synthesis and systematic optical investigation of selective area droplet epitaxy of InAs/InP quantum dots assisted by block copolymer lithography. Optical Materials Express, 2019, 9, 1738.	3.0	4
34	High-Order Phase-Matching Enabled Octave-Bandwidth Four-Wave Mixing in AlGaAs-On-Insulator Waveguides. , 2019, , .		5
35	Wavelength conversion of 10 Gbit/s data from 2000 to 1255 nm using an AlGaAsOI nanowaveguide and a continuous-wave pump in the C band. , 2019, , .		2
36	Efficient and Broadband Four-Wave Mixing in AlGaAs Microresonator for High-Speed Optical Signal Processing. , 2019, , .		1

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37	Optical frequency comb generation using annealing-free Si <sub>3</sub> N <sub>4</sub> films for front-end monolithic integration with Si photonics. , 2019, , .		0
38	Doping technologies for InP membranes on silicon for nanolasers. , 2019, , .		1
39	Optimization of the threshold pump power of a photonic crystal nanolaser: experiment and theory. , 2019, , .		0
40	Low temperature bonding of heterogeneous materials using Al <sub>2</sub> O <sub>3</sub> as an intermediate layer. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, 011202.	1.2	19
41	Broadband Light Sources Based On Highly-Nonlinear AlGaAs-On-Insulator Waveguide Devices. , 2018, , .		0
42	Fano Resonances for Realizing Compact and Low Energy Consumption Photonic Switches. , 2018, , .		0
43	Ultra-efficient and Broadband Nonlinear AlGaAs-on-insulator Chip for Low-power Optical Signal Processing. Laser and Photonics Reviews, 2018, 12, 1800111.	8.7	78
44	Single-source chip-based frequency comb enabling extreme parallel data transmission. Nature Photonics, 2018, 12, 469-473.	31.4	165
45	Orbital angular momentum modes emission from a silicon photonic integrated device for km-scale data-carrying fiber transmission. Optics Express, 2018, 26, 15471.	3.4	24
46	Pulse carving using nanocavity-enhanced nonlinear effects in photonic crystal Fano structures. Optics Letters, 2018, 43, 955.	3.3	14
47	Compact high-efficiency vortex beam emitter based on a silicon photonics micro-ring. Optics Letters, 2018, 43, 1319.	3.3	19
48	Annealing-free Si <sub>3</sub> N <sub>4</sub> frequency combs for monolithic integration with Si photonics. Applied Physics Letters, 2018, 113, .	3.3	46
49	Signal reshaping and noise suppression using photonic crystal Fano structures. Optics Express, 2018, 26, 19596.	3.4	21
50	SiNOI and AlGaAs-on-SOI nonlinear circuits for continuum generation in Si photonics. , 2018, , .		2
51	Low temperature bonding of heterogeneous materials using Al <sub>2</sub> O <sub>3</sub> as an intermediate layer. , 2018, , .		1
52	Wavelength tunable MEMS VCSELs for OCT imaging. , 2018, , .		0
53	Nano-engineered high-confinement AlGaAs waveguide devices for nonlinear photonics. , 2018, , .		1
54	Supercontinuum comb sources for broadband communications based on AlGaAs-on-insulator. Proceedings of SPIE, 2017, , .	0.8	1

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55	Demonstration of a self-pulsing photonic crystal Fano laser. Nature Photonics, 2017, 11, 81-84.	31.4	166
56	Characterization and Optimization of a High-Efficiency AlGaAs-On-Insulator-Based Wavelength Converter for 64- and 256-QAM Signals. Journal of Lightwave Technology, 2017, 35, 3750-3757.	4.6	41
57	Photonic crystal Fano lasers and Fano switches. , 2017, , .		0
58	Towards Polarization-Independent Four-Wave Mixing in Dispersion Engineered AlGaAs-on-Insulator Nano-Waveguide. , 2017, , .		0
59	Lasers, switches and non-reciprocal elements based on photonic crystal Fano resonances. , 2017, , .		1
60	Experimental demonstration of a Fano laser based on photonic crystals. , 2017, , .		0
61	Ultra-Broadband Optical Signal Processing using AlGaAs-OI Devices. , 2017, , .		0
62	10 GHz Frequency Comb Spectral Broadening in AlGaAs-On-Insulator Nano-Waveguide with Ultra-Low Pump Power. , 2017, , .		1
63	Low Threshold Frequency Comb Generation in AlGaAs-on-Insulator Microresonator in the Normal Dispersion Regime. , 2017, , .		0
64	An ultra-efficient nonlinear planar integrated platform for optical signal processing and generation. , 2017, , .		1
65	Photonic crystal Fano resonances for realizing optical switches, lasers, and non-reciprocal elements. , 2017, , .		1
66	Supercontinuum Generation in AlGaAs-On-Insulator Nano-Waveguide at Telecom Wavelengths. , 2016, , .		3
67	Hybrid III-V/SOI resonant cavity photodetector. , 2016, , .		0
68	An ultra-efficient nonlinear platform: AlGaAs-on-insulator. , 2016, , .		0
69	Linear all-optical signal processing using silicon micro-ring resonators. Frontiers of Optoelectronics, 2016, 9, 362-376.	3.7	5
70	Hybrid III-V/SOI resonant cavity enhanced photodetector. Optics Express, 2016, 24, 16512.	3.4	17
71	Efficient frequency comb generation in AlGaAs-on-insulator. Optica, 2016, 3, 823.	9.3	229
72	Low-loss high-confinement waveguides and microring resonators in AlGaAs-on-insulator. Optics Letters, 2016, 41, 3996.	3.3	79

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73	Switching dynamics in InP photonic-crystal nanocavity. <i>Frontiers of Optoelectronics</i> , 2016, 9, 395-398.	3.7	0
74	Optically pumped 1550nm wavelength tunable MEMS VCSEL. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
75	All-Optical Switching Improvement Using Photonic-Crystal Fano Structures. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	2.0	14
76	Threshold Characteristics of Slow-Light Photonic Crystal Lasers. <i>Physical Review Letters</i> , 2016, 116, 063901.	7.8	59
77	On-chip mode division multiplexing technologies. , 2016, , .		0
78	Single-Source AlGaAs Frequency Comb Transmitter for 661 Tbit/s Data Transmission in a 30-core Fiber. , 2016, , .		15
79	Broadband and Efficient Dual-Pump Four-Wave-Mixing in AlGaAs-On-Insulator Nano-Waveguides. , 2016, , .		2
80	Hybrid vertical-cavity laser with lateral emission into a silicon waveguide. <i>Laser and Photonics Reviews</i> , 2015, 9, L11.	8.7	46
81	Highly Sensitive Photonic Crystal Cavity Laser Noise Measurements using Bayesian Filtering. , 2015, , .		1
82	Effective Electro-Optical Modulation with High Extinction Ratio by a Graphene-Silicon Microring Resonator. <i>Nano Letters</i> , 2015, 15, 4393-4400.	9.1	196
83	Topology-optimized silicon photonic wire mode (de)multiplexer. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
84	Ultrafast low-energy all-optical switching using a photonic-crystal asymmetric Fano structure. , 2015, , .		3
85	Slow-light effects in photonic crystal membrane lasers. , 2015, , .		0
86	Topology optimized design for silicon-on-insulator mode converter. , 2015, , .		1
87	Nonreciprocal transmission in a nonlinear photonic-crystal Fano structure with broken symmetry. <i>Laser and Photonics Reviews</i> , 2015, 9, 241-247.	8.7	125
88	160-Gb/s Silicon All-Optical Packet Switch for Buffer-less Optical Burst Switching. <i>Journal of Lightwave Technology</i> , 2015, 33, 843-848.	4.6	12
89	Thermal analysis of line-defect photonic crystal lasers. <i>Optics Express</i> , 2015, 23, 18277.	3.4	12
90	Ultrafast all-optical modulation using a photonic-crystal Fano structure with broken symmetry. <i>Optics Letters</i> , 2015, 40, 2357.	3.3	36

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91	Efficient silicon PIC mode multiplexer using grating coupler array with aluminum mirror for few-mode fiber. , 2015, , .		7
92	Suppression of sublinearity of lightâ€™ current curve in 850Ånm quantum well laser with asymmetric barrier layers. Electronics Letters, 2015, 51, 1106-1108.	1.0	12
93	Flat-top Drop Filter based on a Single Topology Optimized Photonic Crystal Cavity. , 2015, , .		0
94	III-V/SOI Vertical Cavity Laser with In-plane Output into a Si Waveguide. , 2015, , .		0
95	Ultra-Low Threshold Power On-Chip Optical Parametric Oscillation in AlGaAs-On-Insulator Microresonator. , 2015, , .		2
96	Effective carrier sweepout in a silicon waveguide by a metal-semiconductor-metal structure. , 2015, , .		3
97	Highly Efficient Four-Wave Mixing in an AlGaAs-On-Insulator (AlGaAsOI) Nano-Waveguide. , 2015, , .		0
98	Experimental demonstration of non-reciprocal transmission in a nonlinear photonic-crystal Fano structure. , 2015, , .		0
99	Fully-etched apodized fiber-to-chip grating coupler on the SOI platform with &#x2212;0.78 dB coupling efficiency using photonic crystals and bonded Al mirror. , 2014, , .		1
100	Influence of thermal effects induced by nonlinear absorption on four-wave mixing in silicon waveguides. , 2014, , .		0
101	Fully etched apodized grating coupler on the SOI platform with â~058â€™â€™dB coupling efficiency. Optics Letters, 2014, 39, 5348.	3.3	185
102	Topology optimized mode conversion in a photonic crystal waveguide fabricated in silicon-on-insulator material. Optics Express, 2014, 22, 8525.	3.4	124
103	Nonlinear switching dynamics in a photonic-crystal nanocavity. Applied Physics Letters, 2014, 105, .	3.3	16
104	Low-power 10 Gbit/s RZ-OOK all-optical modulation using a novel photonic-crystal Fano switch. , 2014, , .		1
105	Wavelength Conversion of a 9.35-Cb/s RZ OOK Signal in an InP Photonic Crystal Nanocavity. IEEE Photonics Technology Letters, 2014, 26, 257-260.	2.5	18
106	Electrical Injection Schemes for Nanolasers. IEEE Photonics Technology Letters, 2014, 26, 330-333.	2.5	5
107	Fano resonance control in a photonic crystal structure and its application to ultrafast switching. Applied Physics Letters, 2014, 105, .	3.3	107
108	Slow-light-enhanced gain in active photonic crystal waveguides. Nature Communications, 2014, 5, 5039.	12.8	64

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109	All-optical signal processing using InP photonic-crystal nanocavity switches. , 2014, , .		1
110	Resonance Energy Transfer in Hybrid Devices in the Presence of a Surface. Journal of Physical Chemistry C, 2014, 118, 16284-16289.	3.1	2
111	Butt-joint integration of active optical components based on InP/AlInGaAsP alloys. , 2014, , .		0
112	Temporal dynamics of all-optical switching in Photonic Crystal Cavity. , 2014, , .		0
113	On-chip wavelength switch based on thermally tunable discrete four-wave mixing in a silicon waveguide. , 2014, , .		0
114	Saturation broadening effect in an InP photonic-crystal nanocavity switch. , 2014, , .		0
115	Tailored design of WDM filters in BCB embedded PhC membranes. Optical and Quantum Electronics, 2013, 45, 329-342.	3.3	5
116	Design and geometry of hybrid white light-emitted diodes for efficient energy transfer from the quantum well to the nanocrystals. Proceedings of SPIE, 2013, , .	0.8	1
117	Ultra-fast low energy switching using an InP photonic crystal H0 nanocavity. , 2013, , .		2
118	Topology optimized mode conversion in a photonic crystal waveguide. , 2013, , .		2
119	1060-nm Tunable Monolithic High Index Contrast Subwavelength Grating VCSEL. IEEE Photonics Technology Letters, 2013, 25, 365-367.	2.5	78
120	The chromatographic separation of particles using optical electric fields. Lab on A Chip, 2013, 13, 928.	6.0	2
121	Resonant MEMS Tunable VCSEL. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1702306-1702306.	2.9	23
122	Dynamic Characterization and Impulse Response Modeling of Amplitude and Phase Response of Silicon Nanowires. IEEE Photonics Journal, 2013, 5, 4500111-4500111.	2.0	0
123	Forward error correction supported 150 Gbit/s error-free wavelength conversion based on cross phase modulation in silicon. Optics Express, 2013, 21, 3152.	3.4	10
124	Switching characteristics of an InP photonic crystal nanocavity: Experiment and theory. Optics Express, 2013, 21, 31047.	3.4	50
125	Crystallographic dependence of the lateral undercut wet etch rate of Al <sub>0.5</sub> In <sub>0.5</sub> P in diluted HCl for III-V sacrificial release. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, .	1.2	4
126	Tunable resonant-cavity-enhanced photodetector with double high-index-contrast grating mirrors. Proceedings of SPIE, 2013, , .	0.8	0



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127	Wavelength Selective 3D Topology Optimized Photonic Crystal Devices. , 2013, , .		4
128	All-Optical 9.35 Gb/s Wavelength Conversion in an InP Photonic Crystal Nanocavity. , 2013, , .		0
129	Nonlinear carrier dynamics in a quantum dash optical amplifier. New Journal of Physics, 2012, 14, 013042.	2.9	9
130	Extreme nonlinearities in InAs/InP nanowire gain media: the two-photon induced laser. Optics Express, 2012, 20, 5987.	3.4	9
131	Polarization insensitive wavelength conversion in a dispersion-engineered silicon waveguide. Optics Express, 2012, 20, 16374.	3.4	25
132	Complex characterization of short-pulse propagation through InAs/InP quantum-dash optical amplifiers: from the quasi-linear to the two-photon-dominated regime. Optics Express, 2012, 20, 347.	3.4	8
133	Observation of phase noise reduction in photonic synthesized sub-THz signals using a passively mode-locked laser diode and highly selective optical filtering. Optics Express, 2012, 20, 1253.	3.4	13
134	Experimental demonstration of a four-port photonic crystal cross-waveguide structure. Applied Physics Letters, 2012, 101, .	3.3	28
135	41 GHz and 10.6 GHz low threshold and low noise InAs/InP quantum dash two-section mode-locked lasers in L band. Journal of Applied Physics, 2012, 111, 023102.	2.5	7
136	Enhanced gain in photonic crystal amplifiers. , 2012, , .		2
137	High-speed photodetectors in a photonic crystal platform. , 2012, , .		1
138	Comparison of Monolithic Optical Frequency Comb Generators Based on Passively Mode-Locked Lasers for Continuous Wave mm-Wave and Sub-THz Generation. Journal of Lightwave Technology, 2012, 30, 3133-3141.	4.6	15
139	Individual optimization of InAlGaAsP-InP sections for 1.55- $\mu\text{m}$ passively mode-locked lasers. , 2012, , .		1
140	Vertical-cavity surface-emitting laser vapor sensor using swelling polymer reflection modulation. Applied Physics Letters, 2012, 101, 143505.	3.3	3
141	Improvement of temperature-stability in a quantum well laser with asymmetric barrier layers. Applied Physics Letters, 2012, 100, .	3.3	29
142	Plasmonic modulator based on gain-assisted metal-semiconductor-metal waveguide. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 389-399.	2.0	29
143	Effect of asymmetric barrier layers in the waveguide region on the temperature characteristics of quantum-well lasers. Semiconductors, 2012, 46, 1027-1031.	0.5	6
144	Slow-light enhancement of spontaneous emission in active photonic crystal waveguides. Proceedings of SPIE, 2012, , .	0.8	0

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145	Photonic synthesis of continuous-wave millimeter-wave signals using a passively mode-locked laser diode and selective optical filtering. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 1416-1419.	1.4	4
146	Silicon Photonics for Signal Processing of Tbit/s Serial Data Signals. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 996-1005.	2.9	43
147	Polarization Insensitive One-to-Six WDM Multicasting in a Silicon Nanowire. , 2012, , .		0
148	Wavelength Conversion with Large Signal-Idler Separation using Discrete Four-Wave Mixing in a Silicon Nanowire. , 2012, , .		0
149	Numerical modeling in photonic crystals integrated technology: The COPERNICUS Project. , 2011, , .		0
150	Metal organic vapor-phase epitaxy of InAs/InGaAsP quantum dots for laser applications at 1.5 $\mu\text{m}$ . <i>Applied Physics Letters</i> , 2011, 99, .	3.3	17
151	Quantitative strain mapping of InAs/InP quantum dots with 1 $\mu\text{m}$ spatial resolution using dark field electron holography. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	30
152	Active III-V semiconductor photonic crystal waveguides. , 2011, , .		1
153	Optical Waveform Sampling and Error-Free Demultiplexing of 1.28 Tb/s Serial Data in a Nanoengineered Silicon Waveguide. <i>Journal of Lightwave Technology</i> , 2011, 29, 426-431.	4.6	66
154	Complex-coefficient microwave photonic tunable filter using slow light silicon-on-insulator-based microring resonator. , 2011, , .		0
155	Tunable complex-valued multi-tap microwave photonic filter based on single silicon-on-insulator microring resonator. <i>Optics Express</i> , 2011, 19, 12402.	3.4	52
156	Silicon-on-insulator polarization splitting and rotating device for polarization diversity circuits. <i>Optics Express</i> , 2011, 19, 12646.	3.4	159
157	Ultra-high-speed wavelength conversion in a silicon photonic chip. <i>Optics Express</i> , 2011, 19, 19886.	3.4	72
158	One-to-six WDM multicasting of DPSK signals based on dual-pump four-wave mixing in a silicon waveguide. <i>Optics Express</i> , 2011, 19, 24448.	3.4	40
159	Ultra-high-speed optical serial-to-parallel data conversion by time-domain optical Fourier transformation in a silicon nanowire. <i>Optics Express</i> , 2011, 19, B825.	3.4	44
160	Efficient and compact TE-TM polarization converter built on silicon-on-insulator platform with a simple fabrication process. <i>Optics Letters</i> , 2011, 36, 1059.	3.3	98
161	Comparison of the noise performance of 10-GHz repetition rate quantum-dot and quantum well monolithic mode-locked semiconductor lasers. <i>IET Optoelectronics</i> , 2011, 5, 195-201.	3.3	7
162	Investigating the chemical and morphological evolution of GaAs capped InAs/InP quantum dots emitting at 1.5 $\mu\text{m}$ using aberration-corrected scanning transmission electron microscopy. <i>Journal of Crystal Growth</i> , 2011, 329, 57-61.	1.5	4

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163	Towards Polarization Diversity on the SOI Platform With Simple Fabrication Process. IEEE Photonics Technology Letters, 2011, 23, 1808-1810.	2.5	16
164	Enhanced gain in slow-light photonic crystal waveguides with embedded quantum dots. , 2011, , .		0
165	15-THz Tunable Wavelength Conversion of Picosecond Pulses in a Silicon Waveguide. IEEE Photonics Technology Letters, 2011, 23, 1409-1411.	2.5	19
166	Frequency unlimited optical delay lines based on slow and fast light in SOAs. , 2011, , .		0
167	Two Photon Induced Lasing in 1550 nm Quantum Dash Optical Gain Media. , 2011, , .		0
168	Polymer-coated vertical-cavity surface-emitting laser diode vapor sensor. , 2010, , .		2
169	Ultra-low-loss inverted taper coupler for silicon-on-insulator ridge waveguide. Optics Communications, 2010, 283, 3678-3682.	2.1	261
170	Investigations of Repetition Rate Stability of a Mode-Locked Quantum Dot Semiconductor Laser in an Auxiliary Optical Fiber Cavity. IEEE Journal of Quantum Electronics, 2010, 46, 150-157.	1.9	46
171	Optical Waveform Sampling and Error-free Demultiplexing of 1.28 Tbit/s Serial Data in a Silicon Nanowire. , 2010, , .		13
172	High-efficiency, large-bandwidth silicon-on-insulator grating coupler based on a fully-etched photonic crystal structure. Applied Physics Letters, 2010, 96, .	3.3	96
173	Lambda shifted photonic crystal cavity laser. Applied Physics Letters, 2010, 97, 191109.	3.3	3
174	Fully-Etched Photonic Crystal Grating Coupler as an Interface between Single-Mode Fibers and Photonic Circuits on Silicon-on-Insulator. , 2010, , .		1
175	Thermoplastic microcantilevers fabricated by nanoimprint lithography. Journal of Micromechanics and Microengineering, 2010, 20, 015009.	2.6	12
176	10-GHz 1.59- $\mu$ m quantum dash passively mode-locked two-section lasers. Proceedings of SPIE, 2010, , .	0.8	3
177	Optimization of VCSELs for Self-Mixing Sensing. IEEE Photonics Technology Letters, 2010, 22, 667-669.	2.5	9
178	Tunable Microwave Phase Shifter Based on Silicon-on-Insulator Microring Resonator. IEEE Photonics Technology Letters, 2010, 22, 869-871.	2.5	59
179	1.28-Tb/s Demultiplexing of an OTDM DPSK Data Signal Using a Silicon Waveguide. IEEE Photonics Technology Letters, 2010, 22, 1762-1764.	2.5	53
180	Quarter-lambda-shifted photonic crystal lasers. , 2010, , .		0

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181	Widely tunable microwave phase shifter based on silicon-on-insulator dual-microring resonator. Optics Express, 2010, 18, 6172.	3.4	76
182	Modulation response of nanoLEDs and nanolasers exploiting Purcell enhanced spontaneous emission. Optics Express, 2010, 18, 11230.	3.4	94
183	Pulse Delay Measurements in Cascaded Quantum-Well Gain and Absorber Media. IEEE Photonics Technology Letters, 2010, 22, 365-367.	2.5	1
184	Ultra-low-loss nano-taper coupler for silicon-on-insulator ridge waveguide. , 2010, , .		2
185	Silicon-on-Insulator Ring-Shaped Photonic Crystal Waveguides for Refractive Index Sensing. , 2010, , .		4
186	Topology-Optimized Slow-Light Couplers for Ring-Shaped Photonic Crystal Waveguide. , 2010, , .		4
187	Microwave Photonic Phase Shifter Based on Tunable Silicon-on-Insulator Microring Resonator. , 2010, , .		0
188	Optimization of self-mixing modulation in VCSELs for sensing applications. , 2009, , .		0
189	Slow and fast light: Controlling the speed of light using semiconductor waveguides. Laser and Photonics Reviews, 2009, 3, 30-44.	8.7	28
190	2R-Regeneration in a monolithically integrated four-section SOAâ€œEA chip. Optics Communications, 2009, 282, 117-121.	2.1	8
191	Self-mixing interferometry in vertical-cavity surface-emitting lasers for nanomechanical cantilever sensing. Applied Physics Letters, 2009, 94, .	3.3	22
192	Slow and fast light effects in semiconductor waveguides for applications in microwave photonics. Proceedings of SPIE, 2009, , .	0.8	0
193	Sub-threshold investigation of two coupled photonic crystal cavities. , 2009, , .		0
194	Self-mixing interferometry in VCSELs for nanomechanical cantilever sensing. , 2009, , .		0
195	Distributed fiber Raman amplification in long reach PON bidirectional access links. Optical Fiber Technology, 2008, 14, 41-44.	2.7	13
196	Low-noise monolithic mode-locked semiconductor lasers through low-dimensional structures. Proceedings of SPIE, 2008, , .	0.8	6
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