

O'Faolain Liam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7736595/publications.pdf>

Version: 2024-02-01

224
papers

6,725
citations

66315

42
h-index

62565

80
g-index

228
all docs

228
docs citations

228
times ranked

4385
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic design of flat band slow light in photonic crystal waveguides. Optics Express, 2008, 16, 6227.	1.7	517
2	Green light emission in silicon through slow-light enhanced third-harmonic generation in photonic-crystal waveguides. Nature Photonics, 2009, 3, 206-210.	15.6	503
3	Chemical sensing in slotted photonic crystal heterostructure cavities. Applied Physics Letters, 2009, 94, .	1.5	258
4	Light scattering and Fano resonances in high-Q photonic crystal nanocavities. Applied Physics Letters, 2009, 94, .	1.5	250
5	Slow light enhancement of nonlinear effects in silicon engineered photonic crystal waveguides. Optics Express, 2009, 17, 2944.	1.7	221
6	Ultracompact and low-power optical switch based on silicon photonic crystals. Optics Letters, 2008, 33, 147.	1.7	216
7	Compact Focusing Grating Couplers for Silicon-on-Insulator Integrated Circuits. IEEE Photonics Technology Letters, 2007, 19, 1919-1921.	1.3	214
8	Dispersion engineered slow light in photonic crystals: a comparison. Journal of Optics (United Kingdom), 2007, 10, 186.	1.0	186
9	Loss engineered slow light waveguides. Optics Express, 2010, 18, 27627.	1.7	182
10	Tunable Delay Lines in Silicon Photonics: Coupled Resonators and Photonic Crystals, a Comparison. IEEE Photonics Journal, 2010, 2, 181-194.	1.0	177
11	High-speed modulation of a compact silicon ring resonator based on a reverse-biased pn diode. Optics Express, 2009, 17, 21986.	1.7	162
12	Self-collimating photonic crystal polarization beam splitter. Optics Letters, 2007, 32, 530.	1.7	151
13	Planar photonic crystal cavities with far-field optimization for high coupling efficiency and quality factor. Optics Express, 2010, 18, 16064.	1.7	139
14	Dependence of extrinsic loss on group velocity in photonic crystal waveguides. Optics Express, 2007, 15, 13129.	1.7	134
15	Four-wave mixing in slow light engineered silicon photonic crystal waveguides. Optics Express, 2010, 18, 22915.	1.7	134
16	Slow Light Enhanced Nonlinear Optics in Silicon Photonic Crystal Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 344-356.	1.9	132
17	Slow-light enhanced correlated photon pair generation in a silicon photonic crystal waveguide. Optics Letters, 2011, 36, 3413.	1.7	130
18	Dispersion control and slow light in slotted photonic crystal waveguides. Applied Physics Letters, 2008, 92, .	1.5	115

#	ARTICLE	IF	CITATIONS
19	Low-power continuous-wave generation of visible harmonics in silicon photonic crystal nanocavities. <i>Optics Express</i> , 2010, 18, 26613.	1.7	113
20	Four-wave mixing in photonic crystal waveguides: slow light enhancement and limitations. <i>Optics Express</i> , 2011, 19, 4458.	1.7	95
21	Low-loss propagation in photonic crystal waveguides. <i>Electronics Letters</i> , 2006, 42, 1454.	0.5	90
22	Compact Optical Switches and Modulators Based on Dispersion Engineered Photonic Crystals. <i>IEEE Photonics Journal</i> , 2010, 2, 404-414.	1.0	90
23	Diode pumped distributed Bragg reflector lasers based on a dye-to-polymer energy transfer blend. <i>Optics Express</i> , 2006, 14, 9211.	1.7	88
24	Integrated optical auto-correlator based on third-harmonic generation in a silicon photonic crystal waveguide. <i>Nature Communications</i> , 2014, 5, 3246.	5.8	79
25	Silica-embedded silicon photonic crystal waveguides. <i>Optics Express</i> , 2008, 16, 17076.	1.7	73
26	Cascaded modulator architecture for WDM applications. <i>Optics Express</i> , 2012, 20, 27420.	1.7	70
27	Room temperature all-silicon photonic crystal nanocavity light emitting diode at sub-bandgap wavelengths. <i>Laser and Photonics Reviews</i> , 2013, 7, 114-121.	4.4	67
28	Disorder-induced incoherent scattering losses in photonic crystal waveguides: Bloch mode reshaping, multiple scattering, and breakdown of the Beer-Lambert law. <i>Physical Review B</i> , 2009, 80, .	1.1	66
29	Reconfigurable microfluidic photonic crystal slab cavities. <i>Optics Express</i> , 2008, 16, 15887.	1.7	65
30	Photonic crystal slotted slab waveguides. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2008, 6, 38-41.	1.0	63
31	Direct measurement of the group index of photonic crystal waveguides via Fourier transform spectral interferometry. <i>Applied Physics Letters</i> , 2007, 90, 261107.	1.5	62
32	Room-temperature emission at telecom wavelengths from silicon photonic crystal nanocavities. <i>Applied Physics Letters</i> , 2011, 98, 201106.	1.5	60
33	Analysis of the shape of a subwavelength focal spot for the linearly polarized light. <i>Applied Optics</i> , 2013, 52, 330.	0.9	60
34	Mid-infrared photonic crystal waveguides in silicon. <i>Optics Express</i> , 2012, 20, 29361.	1.7	56
35	Experimental high numerical aperture focusing with high contrast gratings. <i>Optics Letters</i> , 2013, 38, 3410.	1.7	55
36	Low-loss photonic crystal defect waveguides in InP. <i>Applied Physics Letters</i> , 2004, 84, 3588-3590.	1.5	50

#	ARTICLE	IF	CITATIONS
37	Compact polarization converter in InP-based material. Optics Express, 2005, 13, 5040.	1.7	50
38	Ultrashort Photonic Crystal Optical Switch Actuated by a Microheater. IEEE Photonics Technology Letters, 2009, 21, 24-26.	1.3	50
39	Photonic crystal slow light waveguides in a kagome lattice. Optics Letters, 2017, 42, 3243.	1.7	50
40	Highly efficient optical filter based on vertically coupled photonic crystal cavity and bus waveguide. Optics Letters, 2013, 38, 154.	1.7	48
41	High-Q microfluidic cavities in silicon-based two-dimensional photonic crystal structures. Optics Letters, 2008, 33, 2206.	1.7	47
42	Optically Induced Indirect Photonic Transitions in a Slow Light Photonic Crystal Waveguide. Physical Review Letters, 2014, 112, 053904.	2.9	45
43	Reduced surface sidewall recombination and diffusion in quantum-dot lasers. IEEE Photonics Technology Letters, 2006, 18, 1861-1863.	1.3	42
44	Accurate determination of the functional hole size in photonic crystal slabs using optical methods. Photonics and Nanostructures - Fundamentals and Applications, 2008, 6, 213-218.	1.0	40
45	Broadband Mirrors in the Near-Infrared Based on Subwavelength Gratings in SOI. IEEE Photonics Journal, 2010, 2, 696-702.	1.0	40
46	Deliberate versus intrinsic disorder in photonic crystal nanocavities investigated by resonant light scattering. Physical Review B, 2011, 84, .	1.1	39
47	High-aspect-ratio chemically assisted ion-beam etching for photonic crystals using a high beam voltage-current ratio. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 1788.	1.6	38
48	Temperature stabilization of optofluidic photonic crystal cavities. Applied Physics Letters, 2009, 94, 231114.	1.5	32
49	Ultracompact 160 Gbaud all-optical demultiplexing exploiting slow light in an engineered silicon photonic crystal waveguide. Optics Letters, 2011, 36, 1728.	1.7	32
50	Novel Dispersion-Adapted Photonic Crystal Cavity With Improved Disorder Stability. IEEE Journal of Quantum Electronics, 2012, 48, 1177-1183.	1.0	32
51	Photonic crystal lens for coupling two waveguides. Applied Optics, 2009, 48, 3722.	2.1	31
52	Enhanced light extraction efficiency from AlGaInP thin-film light-emitting diodes with photonic crystals. Applied Physics Letters, 2008, 93, .	1.5	30
53	Low loss propagation in slow light photonic crystal waveguides at group indices up to 60. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 589-593.	1.0	30
54	Subwavelength gratings for polarization conversion and focusing of laser light. Photonics and Nanostructures - Fundamentals and Applications, 2017, 27, 32-41.	1.0	30

#	ARTICLE	IF	CITATIONS
55	Tight focusing with a binary microaxicon. Optics Letters, 2011, 36, 3100.	1.7	29
56	Third-harmonic generation in slow-light chalcogenide glass photonic crystal waveguides. Optics Letters, 2011, 36, 2818.	1.7	28
57	Dielectric waveguide vertically coupled to all-silicon photodiodes operating at telecommunication wavelengths. Applied Physics Letters, 2013, 102, .	1.5	28
58	Evidence of guided resonances in photonic quasicrystal slabs. Physical Review B, 2011, 84, .	1.1	27
59	Planar surface implanted diffractive grating couplers in SOI. Optics Express, 2014, 22, 1077.	1.7	26
60	Locally Erasable Couplers for Optical Device Testing in Silicon on Insulator. Journal of Lightwave Technology, 2014, 32, 2248-2253.	2.7	26
61	Lithographic wavelength control of an external cavity laser with a silicon photonic crystal cavity-based resonant reflector. Optics Letters, 2016, 41, 894.	1.7	26
62	Investigation of transition dynamics in a quantum-dot laser optically pumped by femtosecond pulses. Applied Physics Letters, 2006, 88, 041101.	1.5	25
63	Four-wave mixing in slow light photonic crystal waveguides with very high group index. Optics Express, 2012, 20, 17474.	1.7	24
64	Tight focus of light using micropolarizer and microlens. Applied Optics, 2015, 54, 4388.	0.9	24
65	Wavelength stability in a hybrid photonic crystal laser through controlled nonlinear absorptive heating in the reflector. Light: Science and Applications, 2018, 7, 39.	7.7	24
66	Photonic Crystal Formed by the Imaginary Part of the Refractive Index. Advanced Materials, 2010, 22, 2676-2679.	11.1	23
67	Characteristics of Correlated Photon Pairs Generated in Ultracompact Silicon Slow-Light Photonic Crystal Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1676-1683.	1.9	23
68	Tunable Optical Buffer through an Analogue to Electromagnetically Induced Transparency in Coupled Photonic Crystal Cavities. ACS Photonics, 2018, 5, 1827-1832.	3.2	23
69	Dynamics of a two-state quantum dot laser with saturable absorber. Applied Physics Letters, 2007, 90, 121113.	1.5	22
70	Demonstration of an integrated optical switch in a silicon photonic crystal directional coupler. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1111-1114.	1.3	21
71	Enhanced 154 nm emission in Y-Er disilicate thin films on silicon photonic crystal cavities. Optics Express, 2013, 21, 10278.	1.7	21
72	Reflection from a free carrier front via an intraband indirect photonic transition. Nature Communications, 2018, 9, 1447.	5.8	20

#	ARTICLE	IF	CITATIONS
73	Fabrication of photonic crystals using a spin-coated hydrogen silsesquioxane hard mask. Journal of Vacuum Science & Technology B, 2006, 24, 336.	1.3	19
74	Subwavelength grating-based spiral metalens for tight focusing of laser light. Applied Physics Letters, 2019, 114, .	1.5	19
75	An experimental and numerical study of Q-switched mode-locking in monolithic semiconductor diode lasers. IEEE Journal of Quantum Electronics, 2004, 40, 1008-1013.	1.0	18
76	Cross-Correlation Timing Jitter Measurement of High Power Passively Mode-Locked Two-Section Quantum-Dot Lasers. IEEE Photonics Technology Letters, 2006, 18, 2317-2319.	1.3	18
77	Optical filter with very large stopband (~ 300 nm) based on a photonic-crystal vertical-directional coupler. Optics Letters, 2009, 34, 3292.	1.7	18
78	Experimental evidence of guided-resonances in photonic crystals with aperiodically ordered supercells. Optics Letters, 2010, 35, 3946.	1.7	17
79	Enhancement of room temperature sub-bandgap light emission from silicon photonic crystal nanocavity by Purcell effect. Physica B: Condensed Matter, 2012, 407, 4027-4031.	1.3	17
80	Subwavelength focusing of laser light by microoptics. Journal of Modern Optics, 2013, 60, 1050-1059.	0.6	17
81	Photonic crystal laser with mode selective mirrors. Optics Express, 2008, 16, 1365.	1.7	15
82	Electrooptic tuning of InP-based microphotonic Fabry-Perot filters. Journal of Lightwave Technology, 2005, 23, 2169-2174.	2.7	14
83	Slow light with interleaved p-n junction to enhance performance of integrated Mach-Zehnder silicon modulators. Nanophotonics, 2019, 8, 1485-1494.	2.9	14
84	Optimizing band-edge slow light in silicon-on-insulator waveguide gratings. Optics Express, 2018, 26, 8470.	1.7	13
85	Nonlinear loss dynamics in a silicon slow-light photonic crystal waveguide. Optics Letters, 2010, 35, 1073.	1.7	12
86	Tuning of Graphene-Based Optical Devices Operating in the Near-Infrared. Applied Sciences (Switzerland), 2021, 11, 8367.	1.3	12
87	Electrically tunable multiquantum-well InGaAsP-InGaAsP microphotonic filter. IEEE Photonics Technology Letters, 2005, 17, 837-839.	1.3	10
88	Fabrication of low loss dispersion engineered chalcogenide photonic crystals. Optics Express, 2011, 19, 1991.	1.7	10
89	Photonic crystal nanocavities in GaAs/AlGaAs with oxidised bottom cladding. Photonics and Nanostructures - Fundamentals and Applications, 2013, 11, 139-144.	1.0	10
90	Thermo-optically induced transparency on a photonic chip. Light: Science and Applications, 2021, 10, 240.	7.7	10

#	ARTICLE	IF	CITATIONS
91	ODX: A Fitness Tracker-Based Device for Continuous Bacterial Growth Monitoring. Analytical Chemistry, 2019, 91, 12329-12335.	3.2	9
92	Hybrid External Cavity Laser with an Amorphous Silicon-Based Photonic Crystal Cavity Mirror. Applied Sciences (Switzerland), 2020, 10, 240.	1.3	9
93	A dual-functionality metalens to shape a circularly polarized optical vortex or a second-order cylindrical vector beam. Photonics and Nanostructures - Fundamentals and Applications, 2021, 43, 100898.	1.0	9
94	Experimental demonstration of original optical filter based on multiply coupled waveguides. Optics Letters, 2014, 39, 3627.	1.7	8
95	Edge-Coupling of O-Band InP Etched-Facet Lasers to Polymer Waveguides on SOI by Micro-Transfer-Printing. IEEE Journal of Quantum Electronics, 2020, 56, 1-8.	1.0	8
96	Fabrication And Characterization Of Photonic Crystal Slow Light Waveguides And Cavities. Journal of Visualized Experiments, 2012, , e50216.	0.2	7
97	Hydrogen induced optically-active defects in silicon photonic nanocavities. Optics Express, 2014, 22, 8843.	1.7	7
98	Optimizing an interleaved p-n junction to reduce energy dissipation in silicon slow-light modulators. Photonics Research, 2020, 8, 457.	3.4	7
99	Realization of a flat-band superprism on-chip from parallelogram lattice photonic crystals. Optics Letters, 2018, 43, 4981.	1.7	6
100	Slotted photonic crystal waveguides and cavities for slow light and sensing applications. , 2008, , .		5
101	Accurate determination of hole sizes in photonic crystal slabs using an optical measurement. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1115-1117.	1.3	5
102	Investigation of slow light enhanced nonlinear transmission for all-optical regeneration in silicon photonic crystal waveguides at 10Gbit/s. Photonics and Nanostructures - Fundamentals and Applications, 2010, 8, 67-71.	1.0	5
103	High-Q photonic crystal cavities realised using deep ultraviolet lithography. Electronics Letters, 2015, 51, 1277-1279.	0.5	5
104	Toolkit for Photonic Integrated Circuits Based on Inverted Rib Waveguides. Journal of Lightwave Technology, 2015, 33, 4145-4150.	2.7	5
105	Long cavity photonic crystal laser in FDML operation using an akinetic reflective filter. Optics Express, 2020, 28, 38813.	1.7	5
106	Electromagnetically induced transparency from first-order dynamical systems. Physical Review B, 2021, 104, .	1.1	5
107	Germanium implanted Bragg gratings in silicon on insulator waveguides. Proceedings of SPIE, 2010, , .	0.8	4
108	Focusing with planar microlenses made of two-dimensionally varying high contrast gratings. Optical Engineering, 2014, 53, 095104.	0.5	4

#	ARTICLE	IF	CITATIONS
109	Extraction of group index of lossy photonic crystal waveguides. Optics Letters, 2015, 40, 193.	1.7	4
110	Control of Q-factor in nanobeam cavities on substrate. , 2016, , .		4
111	Design of a Photonic Crystal Defect Waveguide Biosensor Operating in Aqueous Solutions at 1.34 μm . Proceedings (mdpi), 2018, 2, 1026.	0.2	4
112	Indirect transitions at a free carrier front in a silicon slow light waveguide. , 2018, , .		4
113	Hyperscale Integrated Optical and Photonic Interconnect Platform. , 2020, , .		4
114	Integrated chirp compensation in a monolithic passively mode-locked semiconductor diode laser. Applied Physics Letters, 2005, 86, 221104.	1.5	3
115	3D photonic crystals based on epitaxial III-V semiconductor structures for nonlinear optical interactions. , 2006, , .		3
116	Waveguide-based optofluidics. Proceedings of SPIE, 2010, , .	0.8	3
117	Understanding the rich physics of light propagation in slow photonic crystal waveguides. , 2010, , .		3
118	Electro-optic modulation in bulk silicon using surface plasmon resonance. Photonics and Nanostructures - Fundamentals and Applications, 2016, 18, 31-35.	1.0	3
119	Transmission and reflection from a free carrier front in a silicon slow light waveguide. , 2017, , .		3
120	Evolution of System Embedded Optical Interconnect in Sub-Top-of-Rack Data Center Systems. Applied Sciences (Switzerland), 2022, 12, 1565.	1.3	3
121	Kerr-effect-induced passive Q switching of a monolithic semiconductor diode laser. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 792.	0.9	2
122	Shot shifting for nanophotonic applications. Microelectronic Engineering, 2007, 84, 1463-1466.	1.1	2
123	Controlling the delay of 100 Gb/s polarization division multiplexed signals through silicon photonics delay lines. , 2010, , .		2
124	Slowlight enhanced photonic crystal modulators. , 2011, , .		2
125	Characterization of planar microlenses made of high contrast gratings. Proceedings of SPIE, 2014, , .	0.8	2
126	Dependence of the focal spot parameters on the relief height of the amplitude zone plate. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
127	Silicon Photonic Micro-Transceivers for Beyond 5G Environments. Applied Sciences (Switzerland), 2021, 11, 10955.	1.3	2
128	A Kerr mode-locked semiconductor laser: design and theory. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 1063-1069.	1.9	1
129	The UK silicon photonics project. Proceedings of SPIE, 2010, , .	0.8	1
130	Nonlinear optics in Silicon photonic crystal cavities. , 2011, , .		1
131	Improved CAR and noise analysis for photon-pair generation in an ultra-compact silicon slow-light photonic crystal waveguide. , 2011, , .		1
132	Low insertion loss modulator based on a vertically coupled photonic crystal resonator. , 2012, , .		1
133	Electrical transport and depletion region in dry-etched Si-based nanostructures. Semiconductor Science and Technology, 2012, 27, 045016.	1.0	1
134	All-optical dynamic frequency conversion in silicon photonic crystals. , 2013, , .		1
135	Scalable optical transmitter and receiver based on cascaded nanoresonator modulators and multiwavelength laser. , 2013, , .		1
136	Erasable diffractive grating couplers in silicon on insulator for wafer scale testing. , 2014, , .		1
137	Dynamic frequency shift in photonic crystal resonators and slow light waveguides. , 2015, , .		1
138	External-cavity hybrid laser with silicon photonic crystal cavity-based resonant reflector. , 2015, , .		1
139	Compact external cavity laser with photonic crystal cavity reflector. , 2016, , .		1
140	Wavelength-controlled external-cavity laser with a silicon photonic crystal resonant reflector. Proceedings of SPIE, 2016, , .	0.8	1
141	Photonic crystal cavities for optical interconnects. , 2017, , 121-156.		1
142	Subwavelength focusing of laser light using zone plates with silver and chromium rings. , 2017, , .		1
143	Slow Light in Waveguide Gratings on Silicon-on-Insulator Platform. , 2018, , .		1
144	Hybrid lasers using CMOS compatible nanostructures. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
145	Slotted Photonic Crystal Devices: Slow Light and Applications. , 2009, , .		1
146	Slow light for switching and nonlinear effects in SOI. , 2008, , .		1
147	Subwavelength gratings for generating azimuthally polarized beams. , 2016, , .		1
148	Silicon photonic transceivers for beyond 1-Tb/s datacom applications (Conference Presentation). , 2017, , .		1
149	Controllable low-loss slow light in photonic crystals. , 2018, , .		1
150	Front-induced intraband indirect photonic transition in slow-light waveguide. , 2019, , .		1
151	Low Loss and Slow Light Photonic Crystal Waveguides in SOI. , 2006, , .		0
152	Recent Advances in Polymer Lasers and Optical Amplifiers. , 2007, , .		0
153	Broadband and low loss slow light in SOI photonic crystal waveguides. , 2007, , .		0
154	Microfluidic cavities in silicon-based photonic crystal slab waveguides. , 2008, , .		0
155	Reconfigurable silicon-based photonic crystal components using microfluidics. , 2008, , .		0
156	Enhanced nonlinear self-phase modulation in engineered slow light silicon photonic crystal waveguides. , 2008, , .		0
157	Thermo-Optic Stabilization of Optofluidic Photonic Crystal Resonators. , 2009, , .		0
158	Ultracompact switches and modulators based on slow light in photonic crystals. , 2009, , .		0
159	Optical performance monitoring at 160Gb/s via slow light enhanced third-harmonic generation in silicon photonic crystal waveguides. , 2009, , .		0
160	Slow-light enhanced nonlinear transfer function for 2R regeneration in 2D silicon photonic crystals at 10 Gb/s. , 2009, , .		0
161	Losses in engineered slow light photonic crystal waveguides. , 2009, , .		0
162	Dispersion engineered photonic crystal waveguides for linear and non-linear applications. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
163	Reconfigurable optofluidic silicon-based photonic crystal components. Proceedings of SPIE, 2009, , .	0.8	0
164	Nanometre control and determination of hole size in photonic crystal slabs. , 2010, , .		0
165	Undertaking research in the field of silicon optical modulators in the framework of the Helios and UK silicon photonics projects. , 2010, , .		0
166	Slow-light enhanced optical signal processing on a silicon chip at 640Gb/s. , 2010, , .		0
167	Slow-light based optical signal processing at 640Gb/s. , 2010, , .		0
168	Third-harmonic generation in engineered slow light photonic crystal waveguides in chalcogenide glasses. , 2011, , .		0
169	Miniaturised and low power switches and modulators based on slow light photonic crystal waveguides. , 2011, , .		0
170	Nonlinear optics in silicon photonic crystal nanocavities. , 2011, , .		0
171	Light generation in silicon photonic crystal cavities. , 2011, , .		0
172	Subbandgap photoluminescence of Si photonic crystal nanocavity at room temperature. , 2011, , .		0
173	Photoluminescence spectroscopy of silicon photonic crystal nanocavities. , 2011, , .		0
174	Low-power continuous-wave frequency conversion in far-field optimized silicon photonic crystal nanocavities. , 2011, , .		0
175	Highly efficient coupling between a monolithically integrated photonic crystal cavity and a bus waveguide. , 2012, , .		0
176	Highly efficient coupling between a nanocavity and monolithic bus waveguide. , 2012, , .		0
177	Disorder model of photonic-crystal waveguides: fast to slow light transition. Proceedings of SPIE, 2012, , .	0.8	0
178	Ultra-compact integrated optical auto-correlator based on third-harmonic generation in Si photonic crystal waveguides. , 2012, , .		0
179	High Speed Silicon based optical modulators. , 2012, , .		0
180	Low insertion loss Nanocavity optical modulators. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
181	Integrated optical auto-correlator based on THG in a silicon photonic crystal waveguide. , 2012, , .		0
182	Novel photonic crystal nanocavity design with high tolerance to disorder. , 2012, , .		0
183	Photonic Crystal Cavity Based WDM Components. , 2012, , .		0
184	High performance silicon optical modulators. Proceedings of SPIE, 2012, , .	0.8	0
185	Optical modulation using the silicon platform. Proceedings of SPIE, 2013, , .	0.8	0
186	Microscopic investigations of advanced thin films for photonics. Journal of Physics: Conference Series, 2013, 471, 012004.	0.3	0
187	Room temperature electrically pumped silicon nano-light source at telecommunication wavelengths. Proceedings of SPIE, 2013, , .	0.8	0
188	Indirect transitions of a signal interacting with a moving refractive index front. , 2014, , .		0
189	High Q photonic crystal cavities realised using Deep Ultraviolet Lithography. , 2014, , .		0
190	Resonant coupling of erbium ions to optical modes in silicon photonic crystal cavities. , 2014, , .		0
191	Silicon photonic crystals: light emission, modulation and detection. , 2014, , .		0
192	Experimental high numerical aperture focusing with high contrast gratings: publisher's note. Optics Letters, 2014, 39, 825.	1.7	0
193	Silicon on insulator optical modulators for integration in photonic optical circuits. Proceedings of SPIE, 2014, , .	0.8	0
194	Silicon photonics for optical interconnects. , 2014, , .		0
195	Indirect transitions of a signal interacting with a moving refractive index front. , 2014, , .		0
196	Four-zone reflective polarization conversion plate. , 2015, , .		0
197	Azimuthal polarizer with phase shift for subwavelength focusing of laser light. , 2016, , .		0
198	All-optical analog to electromagnetic induced transparency effects based on vertical coupling photonic crystal cavities. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
199	Compact III-V/silicon external cavity laser configuration with photonic crystal cavity reflector for direct frequency modulation. , 2016, , .		0
200	Hybrid photonic crystal lasers. , 2016, , .		0
201	Efficient coupling to slow light photonic crystal waveguide. , 2016, , .		0
202	Tight focusing of laser light propagated through subwavelength micropolarizer using Fresnel zone plate. , 2017, , .		0
203	Athermal hybrid laser. , 2017, , .		0
204	Direct Frequency Modulated Photonic Crystal Laser. , 2018, , .		0
205	Demonstration of Intensity Modulation in Hybrid Photonic Crystal Laser. , 2019, , .		0
206	Slow Light to Reduce the Energy Dissipation of Mach-Zehnder Modulators in Silicon Photonics. , 2019, , .		0
207	Q-factor enhancement in photonic crystal cavities based on trapezoidal slotted nano-sticks for refractive index sensing. , 2021, , .		0
208	Study of the Effects of Cavity Mode Spacing on Mode-Hopping in III-V/Si Hybrid Photonic Crystal Lasers. Crystals, 2021, 11, 848.	1.0	0
209	Dynamics of Nonlinear Loss in a Silicon Slow Light Photonic Crystal Waveguide. , 2010, , .		0
210	Low-power continuous-wave generation of second- and third-harmonic light in silicon photonic crystal nanocavities. , 2011, , .		0
211	Ultra-compact, slow light enhanced, 160Gbaud de-multiplexing in a silicon photonic crystal waveguide. , 2011, , .		0
212	Correlated Photon-Pair Generation in an Ultra-Compact Silicon Photonic Crystal Waveguide. , 2011, , .		0
213	Correlated Photon-Pair Generation in an Ultra-Compact Silicon Photonic Crystal Waveguide. , 2011, , .		0
214	Four-wave mixing in short silicon slow-light engineered photonic crystal waveguides. , 2011, , .		0
215	Enhanced Light Emission from Silicon using Photonic Crystal Nanocavities. , 2011, , .		0
216	Correlated Photon-Pair Generation in an Ultra-Compact Silicon Photonic Crystal Waveguide. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
217	Enhancing Optical Functionalities of Silicon with Photonic Crystal Nanocavities. , 2012, , .		0
218	Ultra-compact integrated optical auto-correlator based on third-harmonic generation in Si photonic crystal waveguides. , 2012, , .		0
219	Tight focusing of a nonhomogeneously polarized optical vortex. , 2018, , .		0
220	Frequency modulated external cavity laser with photonic crystal resonator and microheater. , 2018, , .		0
221	Subwavelength focusing of azimuthally polarized optical vortex. , 2018, , .		0
222	Slow-Light Modulators in Silicon Waveguides Gratings. , 2019, , .		0
223	Coupled Photonic Crystal Cavity Architecture for Intensity Modulation. , 2019, , .		0
224	Optical reflection from a free-carrier-induced front in a silicon slow light waveguide. , 2020, , .		0