

Thomas F Krauss

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263
papers

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65
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114
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278
ext. papers

18,256
ext. citations

5
avg. IF

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L-index

#	Paper	IF	Citations
263	Silicon nanostructures for photonics and photovoltaics. <i>Nature Nanotechnology</i> , 2014 , 9, 19-32	28.7	675
262	Two-dimensional photonic-bandgap structures operating at near-infrared wavelengths. <i>Nature</i> , 1996 , 383, 699-702	50.4	605
261	Slow light in photonic crystal waveguides. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 2666-2670	3	406
260	Systematic design of flat band slow light in photonic crystal waveguides. <i>Optics Express</i> , 2008 , 16, 6227-323	3.3	386
259	. <i>IEEE Journal of Quantum Electronics</i> , 2002 , 38, 949-955	2	382
258	Green light emission in silicon through slow-light enhanced third-harmonic generation in photonic-crystal waveguides. <i>Nature Photonics</i> , 2009 , 3, 206-210	33.9	379
257	Photonic crystals in the optical regime Past, present and future. <i>Progress in Quantum Electronics</i> , 1999 , 23, 51-96	9.1	365
256	Real-space observation of ultraslow light in photonic crystal waveguides. <i>Physical Review Letters</i> , 2005 , 94, 073903	7.4	337
255	Light extraction from optically pumped light-emitting diode by thin-slab photonic crystals. <i>Applied Physics Letters</i> , 1999 , 75, 1036-1038	3.4	280
254	Compact and Highly Efficient Grating Couplers Between Optical Fiber and Nanophotonic Waveguides. <i>Journal of Lightwave Technology</i> , 2007 , 25, 151-156	4	245
253	Spontaneous emission extraction and Purcell enhancement from thin-film 2-D photonic crystals. <i>Journal of Lightwave Technology</i> , 1999 , 17, 2096-2112	4	222
252	Chemical sensing in slotted photonic crystal heterostructure cavities. <i>Applied Physics Letters</i> , 2009 , 94, 063503	3.4	219
251	Optical vortex trap for resonant confinement of metal nanoparticles. <i>Optics Express</i> , 2008 , 16, 4991-9	3.3	182
250	Optical and confinement properties of two-dimensional photonic crystals. <i>Journal of Lightwave Technology</i> , 1999 , 17, 2063-2077	4	176
249	Light scattering and Fano resonances in high-Q photonic crystal nanocavities. <i>Applied Physics Letters</i> , 2009 , 94, 071101	3.4	175
248	Quantitative Measurement of Transmission, Reflection, and Diffraction of Two-Dimensional Photonic Band Gap Structures at Near-Infrared Wavelengths. <i>Physical Review Letters</i> , 1997 , 79, 4147-4150	7.4	173
247	Ultracompact and low-power optical switch based on silicon photonic crystals. <i>Optics Letters</i> , 2008 , 33, 147-9	3	173

246	Deterministic quasi-random nanostructures for photon control. <i>Nature Communications</i> , 2013 , 4, 2665	17.4	171
245	Slow light enhancement of nonlinear effects in silicon engineered photonic crystal waveguides. <i>Optics Express</i> , 2009 , 17, 2944-53	3.3	169
244	Radiation losses of waveguide-based two-dimensional photonic crystals: Positive role of the substrate. <i>Applied Physics Letters</i> , 2000 , 76, 532-534	3.4	169
243	Integrated spatial multiplexing of heralded single-photon sources. <i>Nature Communications</i> , 2013 , 4, 2582	17.4	162
242	Dispersion engineered slow light in photonic crystals: a comparison. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 104004	1.7	147
241	Slotted photonic crystal cavities with integrated microfluidics for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2011 , 27, 101-5	11.8	141
240	Low-loss channel waveguides with two-dimensional photonic crystal boundaries. <i>Applied Physics Letters</i> , 2000 , 77, 2813-2815	3.4	137
239	Miniband transmission in a photonic crystal coupled-resonator optical waveguide. <i>Optics Letters</i> , 2001 , 26, 1019-21	3	137
238	Loss engineered slow light waveguides. <i>Optics Express</i> , 2010 , 18, 27627-38	3.3	136
237	Flatband slow light in photonic crystals featuring spatial pulse compression and terahertz bandwidth. <i>Optics Express</i> , 2007 , 15, 219-26	3.3	131
236	. <i>IEEE Photonics Journal</i> , 2010 , 2, 181-194	1.8	130
235	Y junctions in photonic crystal channel waveguides: high transmission and impedance matching. <i>Optics Letters</i> , 2002 , 27, 1001-3	3	124
234	All-optical control of microfluidic components using form birefringence. <i>Nature Materials</i> , 2005 , 4, 530-327		123
233	Self-collimating photonic crystal polarization beam splitter. <i>Optics Letters</i> , 2007 , 32, 530-2	3	119
232	Mini-stopbands of a one-dimensional system: The channel waveguide in a two-dimensional photonic crystal. <i>Physical Review B</i> , 2001 , 63,	3.3	118
231	Surface recombination measurements on III-V candidate materials for nanostructure light-emitting diodes. <i>Journal of Applied Physics</i> , 2000 , 87, 3497-3504	2.5	117
230	High-speed modulation of a compact silicon ring resonator based on a reverse-biased pn diode. <i>Optics Express</i> , 2009 , 17, 21986-91	3.3	113
229	Dependence of extrinsic loss on group velocity in photonic crystal waveguides. <i>Optics Express</i> , 2007 , 15, 13129-38	3.3	108

228	Resonant coupling of near-infrared radiation to photonic band structure waveguides. <i>Journal of Lightwave Technology</i> , 1999 , 17, 2050-2057	4	108
227	Observation of soliton compression in silicon photonic crystals. <i>Nature Communications</i> , 2014 , 5, 3160	17.4	104
226	Coupling into slow-mode photonic crystal waveguides. <i>Optics Letters</i> , 2007 , 32, 2638-40	3	104
225	Beam steering in planar-photonic crystals: from superprism to supercollimator. <i>Journal of Lightwave Technology</i> , 2003 , 21, 561-566	4	102
224	Diffraction and transmission of light in low-refractive index Penrose-tiled photonic quasicrystals. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 10459-10470	1.8	102
223	Planar photonic crystal cavities with far-field optimization for high coupling efficiency and quality factor. <i>Optics Express</i> , 2010 , 18, 16064-73	3.3	100
222	Four-wave mixing in slow light engineered silicon photonic crystal waveguides. <i>Optics Express</i> , 2010 , 18, 22915-27	3.3	100
221	Dispersion control and slow light in slotted photonic crystal waveguides. <i>Applied Physics Letters</i> , 2008 , 92, 083501	3.4	97
220	Optical signal processing on a silicon chip at 640Gb/s using slow-light. <i>Optics Express</i> , 2010 , 18, 7770-81	3.3	94
219	Slow-light enhanced correlated photon pair generation in a silicon photonic crystal waveguide. <i>Optics Letters</i> , 2011 , 36, 3413-5	3	88
218	Coupled-mode theory and propagation losses in photonic crystal waveguides. <i>Optics Express</i> , 2003 , 11, 1490-6	3.3	87
217	Nonlinear propagation effects in an AlGaAs Bragg grating filter. <i>Optics Letters</i> , 1999 , 24, 685-7	3	87
216	Mode structure of the L3 photonic crystal cavity. <i>Applied Physics Letters</i> , 2007 , 90, 241117	3.4	85
215	Enhanced phonon-assisted absorption in single InAs/GaAs quantum dots. <i>Physical Review B</i> , 2001 , 63,	3.3	84
214	Low-power continuous-wave generation of visible harmonics in silicon photonic crystal nanocavities. <i>Optics Express</i> , 2010 , 18, 26613-24	3.3	82
213	CW operation of semiconductor ring lasers. <i>Electronics Letters</i> , 1990 , 26, 2095	1.1	80
212	Diode pumped distributed Bragg reflector lasers based on a dye-to-polymer energy transfer blend. <i>Optics Express</i> , 2006 , 14, 9211-6	3.3	78
211	Engineering gratings for light trapping in photovoltaics: The supercell concept. <i>Physical Review B</i> , 2012 , 86,	3.3	77

210	Superprism phenomena in planar photonic crystals. <i>IEEE Journal of Quantum Electronics</i> , 2002 , 38, 915-918		77
209	Four-wave mixing in photonic crystal waveguides: slow light enhancement and limitations. <i>Optics Express</i> , 2011 , 19, 4458-63	3.3	76
208	Optical deflection and sorting of microparticles in a near-field optical geometry. <i>Optics Express</i> , 2008 , 16, 3712-26	3.3	76
207	Coupled guide and cavity in a two-dimensional photonic crystal. <i>Applied Physics Letters</i> , 2001 , 78, 1487-1489	3.4	76
206	Photonic crystal resonances for sensing and imaging. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 073004	4.7	74
205	Planar photonic crystal waveguide devices for integrated optics. <i>Physica Status Solidi A</i> , 2003 , 197, 688-702		71
204	Low-loss propagation in photonic crystal waveguides. <i>Electronics Letters</i> , 2006 , 42, 1454	1.1	68
203	Ultrafast nonlinear response of AlGaAs two-dimensional photonic crystal waveguides. <i>Applied Physics Letters</i> , 2003 , 83, 851-853	3.4	68
202	Planar photonic crystal polarization splitter. <i>Optics Letters</i> , 2004 , 29, 1620-2	3	67
201	Direct observation of Bloch harmonics and negative phase velocity in photonic crystal waveguides. <i>Physical Review Letters</i> , 2005 , 94, 123901	7.4	67
200	Electro-optic modulation in slotted resonant photonic crystal heterostructures. <i>Applied Physics Letters</i> , 2009 , 94, 241107	3.4	66
199	Slotted photonic crystal sensors. <i>Sensors</i> , 2013 , 13, 3675-710	3.8	64
198	Coupled photonic crystal heterostructure nanocavities. <i>Optics Express</i> , 2007 , 15, 1228-33	3.3	62
197	Fabrication of 2-D photonic bandgap structures in GaAs/AlGaAs. <i>Electronics Letters</i> , 1994 , 30, 1444-1446	1.1	62
196	Use of guided spontaneous emission of a semiconductor to probe the optical properties of two-dimensional photonic crystals. <i>Applied Physics Letters</i> , 1997 , 71, 738-740	3.4	60
195	Exploring light propagating in photonic crystals with Fourier optics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 2964	1.7	60
194	Heavy photon dispersions in photonic crystal waveguides. <i>Applied Physics Letters</i> , 2000 , 77, 178-180	3.4	60
193	Flexible metamaterials at visible wavelengths. <i>New Journal of Physics</i> , 2010 , 12, 113006	2.9	59

192	Silica-embedded silicon photonic crystal waveguides. <i>Optics Express</i> , 2008 , 16, 17076-81	3.3	59
191	Enhanced energy storage in chaotic optical resonators. <i>Nature Photonics</i> , 2013 , 7, 473-478	33.9	57
190	Ultracompact all-optical XOR logic gate in a slow-light silicon photonic crystal waveguide. <i>Optics Express</i> , 2011 , 19, 20681-90	3.3	57
189	Omnidirectional and compact guided light extraction from Archimedean photonic lattices. <i>Applied Physics Letters</i> , 2003 , 83, 1283-1285	3.4	57
188	Postgrowth control of GaAs/AlGaAs quantum well shapes by impurity-free vacancy diffusion. <i>IEEE Journal of Quantum Electronics</i> , 1994 , 30, 1189-1195	2	57
187	Toward ultrahigh-efficiency aluminum oxide microcavity light-emitting diodes: guided mode extraction by photonic crystals. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2002 , 8, 238-247	3.8	56
186	Waveguide microcavity based on photonic microstructures. <i>IEEE Photonics Technology Letters</i> , 1997 , 9, 176-178	2.2	54
185	Waveguide confined Raman spectroscopy for microfluidic interrogation. <i>Lab on A Chip</i> , 2011 , 11, 1262-70	2	53
184	Reconfigurable microfluidic photonic crystal slab cavities. <i>Optics Express</i> , 2008 , 16, 15887-96	3.3	53
183	Two-dimensional Penrose-tiled photonic quasicrystals: from diffraction pattern to band structure. <i>Nanotechnology</i> , 2000 , 11, 274-280	3.4	53
182	Room temperature all-silicon photonic crystal nanocavity light emitting diode at sub-bandgap wavelengths. <i>Laser and Photonics Reviews</i> , 2013 , 7, 114-121	8.3	52
181	Ultrafast adiabatic manipulation of slow light in a photonic crystal. <i>Physical Review A</i> , 2010 , 81,	2.6	52
180	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,	3.3	52
179	Photonic crystal slotted slab waveguides. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2008 , 6, 38-41	2.6	52
178	Observation of pulse compression in photonic Crystal coupled cavity waveguides. <i>Journal of Lightwave Technology</i> , 2004 , 22, 514-519	4	52
177	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 1860-1867	4.1	52
176	Integrated optical auto-correlator based on third-harmonic generation in a silicon photonic crystal waveguide. <i>Nature Communications</i> , 2014 , 5, 3246	17.4	51
175	The resolution of optical traps created by Light Induced Dielectrophoresis (LIDEP). <i>Optics Express</i> , 2007 , 15, 12619-26	3.3	51

174	High-finesse disk microcavity based on a circular Bragg reflector. <i>Applied Physics Letters</i> , 1998 , 73, 1314-1316	3.1	51
173	Optical forces near a nanoantenna. <i>Journal of Nanophotonics</i> , 2010 , 4, 041570	1.1	50
172	Low loss silicon on insulator photonic crystal waveguides made by 193nm optical lithography. <i>Optics Express</i> , 2006 , 14, 2440-5	3.3	50
171	Experimental high numerical aperture focusing with high contrast gratings. <i>Optics Letters</i> , 2013 , 38, 3416-3	1.3	48
170	Direct measurement of the group index of photonic crystal waveguides via Fourier transform spectral interferometry. <i>Applied Physics Letters</i> , 2007 , 90, 261107	3.4	48
169	Optical characterization of waveguide based photonic microstructures. <i>Applied Physics Letters</i> , 1996 , 68, 1613-1615	3.4	47
168	Mode structure of coupled L3 photonic crystal cavities. <i>Optics Express</i> , 2011 , 19, 5670-5	3.3	45
167	Near-infrared microcavities confined by two-dimensional photonic bandgap crystals. <i>Electronics Letters</i> , 1999 , 35, 228	1.1	44
166	Multi-photon absorption limits to heralded single photon sources. <i>Scientific Reports</i> , 2013 , 3, 3087	4.9	43
165	Compact polarization converter in InP-based material. <i>Optics Express</i> , 2005 , 13, 5040-5	3.3	43
164	Room-temperature emission at telecom wavelengths from silicon photonic crystal nanocavities. <i>Applied Physics Letters</i> , 2011 , 98, 201106	3.4	42
163	High-Q microfluidic cavities in silicon-based two-dimensional photonic crystal structures. <i>Optics Letters</i> , 2008 , 33, 2206-8	3	41
162	Integrated monolithic optical manipulation. <i>Lab on A Chip</i> , 2006 , 6, 1122-4	7.2	41
161	Low-loss photonic crystal defect waveguides in InP. <i>Applied Physics Letters</i> , 2004 , 84, 3588-3590	3.4	41
160	Cascaded modulator architecture for WDM applications. <i>Optics Express</i> , 2012 , 20, 27420-8	3.3	40
159	How to assess light trapping structures versus a Lambertian Scatterer for solar cells?. <i>Optics Express</i> , 2014 , 22 Suppl 2, A542-51	3.3	39
158	Finite-depth and intrinsic losses in vertically etched two-dimensional photonic crystals. <i>Optical and Quantum Electronics</i> , 2002 , 34, 205-215	2.4	39
157	Efficient photonic crystal Y-junctions. <i>Journal of Optics</i> , 2003 , 5, S76-S80		39

156	Mid-infrared photonic crystal waveguides in silicon. <i>Optics Express</i> , 2012 , 20, 29361-8	3.3	38
155	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2002 , 8, 909-918	3.8	38
154	Performance of waveguide-based two-dimensional photonic-crystal mirrors studied with Fabry-Perot resonators. <i>IEEE Journal of Quantum Electronics</i> , 2001 , 37, 237-243	2	38
153	Polarized quantum dot emission from photonic crystal nanocavities studied under moderate resonant enhanced excitation. <i>Optics Express</i> , 2007 , 15, 17221-30	3.3	36
152	Reduced surface sidewall recombination and diffusion in quantum-dot lasers. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1861-1863	2.2	36
151	. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 24-26	2.2	35
150	Improved 60/spl deg/ bend transmission of submicron-width waveguides defined in two-dimensional photonic crystals. <i>Journal of Lightwave Technology</i> , 2002 , 20, 1198-1203	4	35
149	Dual-Mode Electro-Optical Techniques for Biosensing Applications: A Review. <i>Sensors</i> , 2017 , 17,	3.8	34
148	Dual gratings for enhanced light trapping in thin-film solar cells by a layer-transfer technique. <i>Optics Express</i> , 2013 , 21 Suppl 3, A433-9	3.3	34
147	Statistical fluctuations of transmission in slow light photonic-crystal waveguides. <i>Optics Express</i> , 2010 , 18, 14654-63	3.3	33
146	Deliberate versus intrinsic disorder in photonic crystal nanocavities investigated by resonant light scattering. <i>Physical Review B</i> , 2011 , 84,	3.3	33
145	High-aspect-ratio chemically assisted ion-beam etching for photonic crystals using a high beam voltage-current ratio. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004 , 22, 1788		32
144	Diffraction efficiency and guided light control by two-dimensional photonic-bandgap lattices. <i>IEEE Journal of Quantum Electronics</i> , 1999 , 35, 1045-1052	2	32
143	Optically induced indirect photonic transitions in a slow light photonic crystal waveguide. <i>Physical Review Letters</i> , 2014 , 112, 053904	7.4	31
142	Investigation of phase matching for third-harmonic generation in silicon slow light photonic crystal waveguides using Fourier optics. <i>Optics Express</i> , 2010 , 18, 6831-40	3.3	31
141	Broadband Mirrors in the Near-Infrared Based on Subwavelength Gratings in SOI. <i>IEEE Photonics Journal</i> , 2010 , 2, 696-702	1.8	31
140	Ultrafast tilting of the dispersion of a photonic crystal and adiabatic spectral compression of light pulses. <i>Physical Review Letters</i> , 2012 , 108, 033902	7.4	29
139	Temperature stabilization of optofluidic photonic crystal cavities. <i>Applied Physics Letters</i> , 2009 , 94, 231114	3.4	29

138	. <i>IEEE Journal of Quantum Electronics</i> , 2002 , 38, 880-884	2	29
137	Optical guided mode resonance filter on a flexible substrate. <i>Optics Express</i> , 2013 , 21, 1002-7	3.3	28
136	Experimental technique to determine the band structure of two-dimensional photonic lattices. <i>IEE Proceedings: Optoelectronics</i> , 1998 , 145, 398-402		28
135	Accurate determination of the functional hole size in photonic crystal slabs using optical methods. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2008 , 6, 213-218	2.6	28
134	Introduction to the feature section on photonic crystal structures and applications. <i>IEEE Journal of Quantum Electronics</i> , 2002 , 38, 724-724	2	28
133	Phase-sensitive amplification in silicon photonic crystal waveguides. <i>Optics Letters</i> , 2014 , 39, 363-6	3	27
132	Ultrafast tunable optical delay line based on indirect photonic transitions. <i>Physical Review Letters</i> , 2012 , 108, 213901	7.4	27
131	Nanophotonic Polarization Diversity Demultiplexer Chip. <i>Journal of Lightwave Technology</i> , 2009 , 27, 417-425	4	27
130	Evidence of guided resonances in photonic quasicrystal slabs. <i>Physical Review B</i> , 2011 , 84,	3.3	26
129	Transmission properties of two-dimensional photonic crystal channel waveguides. <i>Optical and Quantum Electronics</i> , 2002 , 34, 171-181	2.4	26
128	Lasing properties of disk microcavity based on a circular Bragg reflector. <i>Applied Physics Letters</i> , 1999 , 75, 3051-3053	3.4	26
127	Ultracompact 160 Gbaud all-optical demultiplexing exploiting slow light in an engineered silicon photonic crystal waveguide. <i>Optics Letters</i> , 2011 , 36, 1728-30	3	25
126	Demonstration of cavity mode between two-dimensional photonic-crystal mirrors. <i>Electronics Letters</i> , 1997 , 33, 1978	1.1	25
125	. <i>Journal of Lightwave Technology</i> , 1995 , 13, 1500-1507	4	25
124	Low loss propagation in slow light photonic crystal waveguides at group indices up to 60. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012 , 10, 589-593	2.6	24
123	Mode multiplexed single-photon and classical channels in a few-mode fiber. <i>Optics Express</i> , 2013 , 21, 28794-800	3.3	24
122	Ultrafast rerouting of light via slow modes in a nanophotonic directional coupler. <i>Applied Physics Letters</i> , 2009 , 94, 241119	3.4	24
121	Enhanced light extraction efficiency from AlGaInP thin-film light-emitting diodes with photonic crystals. <i>Applied Physics Letters</i> , 2008 , 93, 041105	3.4	24

120	Multiparameter antibiotic resistance detection based on hydrodynamic trapping of individual E. coli. <i>Lab on A Chip</i> , 2019 , 19, 1417-1426	7.2	23
119	On Metalenses with Arbitrarily Wide Field of View. <i>ACS Photonics</i> , 2020 , 7, 2073-2079	6.3	23
118	. <i>IEEE Journal of Quantum Electronics</i> , 2012 , 48, 1177-1183	2	23
117	Compact and integrated 2-D photonic crystal super-prism filter-device for wavelength demultiplexing applications. <i>Optics Express</i> , 2006 , 14, 1632-42	3.3	23
116	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1995 , 1, 757-761	3.8	23
115	Experimental observation of evanescent modes at the interface to slow-light photonic crystal waveguides. <i>Optics Letters</i> , 2011 , 36, 1170-2	3	22
114	Local probing of Bloch mode dispersion in a photonic crystal waveguide. <i>Optics Express</i> , 2005 , 13, 4457-643	3.3	22
113	Directionally dependent confinement in photonic-crystal microcavities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000 , 17, 2043	1.7	22
112	Dielectric waveguide vertically coupled to all-silicon photodiodes operating at telecommunication wavelengths. <i>Applied Physics Letters</i> , 2013 , 102, 171106	3.4	21
111	Photonic crystal formed by the imaginary part of the refractive index. <i>Advanced Materials</i> , 2010 , 22, 2676-9	3.4	21
110	Propagation Losses of Slotted Photonic Crystal Waveguides. <i>IEEE Photonics Journal</i> , 2012 , 4, 1536-1541	1.8	20
109	Third-harmonic generation in slow-light chalcogenide glass photonic crystal waveguides. <i>Optics Letters</i> , 2011 , 36, 2818-20	3	20
108	Optical chromatography using a photonic crystal fiber with on-chip fluorescence excitation. <i>Optics Express</i> , 2010 , 18, 6396-407	3.3	20
107	Four-wave mixing in slow light photonic crystal waveguides with very high group index. <i>Optics Express</i> , 2012 , 20, 17474-9	3.3	20
106	Influence of residual disorder on the anticrossing of Bloch modes probed in k space. <i>Physical Review B</i> , 2008 , 78,	3.3	20
105	Compact polarization rotators for integrated polarization diversity in InP-based waveguides. <i>Optics Letters</i> , 2007 , 32, 2176-8	3	20
104	Monolithic integration of microfluidic channels and semiconductor lasers. <i>Optics Express</i> , 2006 , 14, 7723-93	3.3	20
103	Analysis of harmonic (sub)THz passive mode-locking in monolithic compound cavity Fabry-Perot and ring laser diodes. <i>IEE Proceedings: Optoelectronics</i> , 1999 , 146, 55-61		20

102	Bidirectional multiplexing of heralded single photons from a silicon chip. <i>Optics Letters</i> , 2013 , 38, 5176-93		19
101	Directional light extraction from thin-film resonant cavity light-emitting diodes with a photonic crystal. <i>Applied Physics Letters</i> , 2008 , 93, 231109	3-4	19
100	Compact Slanted Grating Couplers Between Optical Fiber and InP/InGaAsP Waveguides. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 396-398	2.2	19
99	Silicon based organic semiconductor laser. <i>Applied Physics Letters</i> , 2007 , 91, 051124	3-4	19
98	Experimental verification of numerically optimized photonic crystal injector, Y-splitter, and bend. <i>IEEE Journal on Selected Areas in Communications</i> , 2005 , 23, 1390-1395	14.2	19
97	Dual lattice photonic-crystal beam splitters. <i>Applied Physics Letters</i> , 2005 , 86, 211106	3-4	19
96	Scaling of Raman amplification in realistic slow-light photonic crystal waveguides. <i>Physical Review B</i> , 2011 , 84,	3-3	18
95	Integration of grating couplers with a compact photonic crystal demultiplexer on an InP membrane. <i>Optics Letters</i> , 2008 , 33, 884-6	3	18
94	Efficient color routing with a dispersion-controlled waveguide array. <i>Light: Science and Applications</i> , 2013 , 2, e52-e52	16.7	17
93	Enhanced 1.54 μm emission in Y-Er disilicate thin films on silicon photonic crystal cavities. <i>Optics Express</i> , 2013 , 21, 10278-88	3-3	17
92	Fourier space imaging of light localization at a photonic band-edge located below the light cone. <i>Physical Review B</i> , 2009 , 79,	3-3	17
91	Demonstration of an integrated optical switch in a silicon photonic crystal directional coupler. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 1111-1114	3	17
90	Characterisation of waveguide microcavities using high-resolution transmission spectroscopy and near-field scanning optical microscopy. <i>IEE Proceedings: Optoelectronics</i> , 1998 , 145, 379-383		17
89	Fabrication of photonic crystals using a spin-coated hydrogen silsesquioxane hard mask. <i>Journal of Vacuum Science & Technology B</i> , 2006 , 24, 336		17
88	Dynamics of a two-state quantum dot laser with saturable absorber. <i>Applied Physics Letters</i> , 2007 , 90, 121113	3-4	17
87	High extraction efficiency, laterally injected, light emitting diodes combining microcavities and photonic crystals. <i>Optical and Quantum Electronics</i> , 2002 , 34, 79-89	2-4	17
86	Strip-loaded semiconductor ring lasers employing multimode interference output couplers. <i>Applied Physics Letters</i> , 1994 , 64, 2788-2790	3-4	17
85	Very low loss extended cavity GaAs/AlGaAs lasers made by impurity-free vacancy diffusion. <i>Electronics Letters</i> , 1994 , 30, 145-146	1.1	17

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