

Thomas F Krauss

List of Publications by Year in Descending Order

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

263
papers

15,311
citations

65
h-index

114
g-index

278
ext. papers

18,256
ext. citations

5
avg. IF

6.56
L-index

#	Paper	IF	Citations
263	Exploring the Limit of Multiplexed Near-Field Optical Trapping. <i>ACS Photonics</i> , 2021 , 8, 2060-2066	6.3	5
262	On Metalenses with Arbitrarily Wide Field of View. <i>ACS Photonics</i> , 2020 , 7, 2073-2079	6.3	23
261	Reducing the Surface Area of Black Silicon by Optically Equivalent Structures. <i>IEEE Journal of Photovoltaics</i> , 2020 , 10, 41-45	3.7	0
260	Extended Kalman Filtering Projection Method to Reduce the 3D Noise Value of Optical Biosensors. <i>ACS Sensors</i> , 2020 , 5, 3474-3482	9.2	2
259	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
258	Interplay Between Optical and Electrical Properties of Nanostructured Surfaces in Crystalline Silicon Solar Cells. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-7	1.8	1
257	Hybrid plasmonic waveguide coupling of photons from a single molecule. <i>APL Photonics</i> , 2019 , 4, 086101	5.2	13
256	Reflection from a free carrier front via an intraband indirect photonic transition. <i>Nature Communications</i> , 2018 , 9, 1447	17.4	12
255	Photonic crystal resonances for sensing and imaging. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 073004	1.7	74
254	Dual-Mode Electro-Optical Techniques for Biosensing Applications: A Review. <i>Sensors</i> , 2017 , 17,	3.8	34
253	Optically induced indirect photonic transitions in a slow light photonic crystal waveguide. <i>Physical Review Letters</i> , 2014 , 112, 053904	7.4	31
252	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
251	Silicon nanostructures for photonics and photovoltaics. <i>Nature Nanotechnology</i> , 2014 , 9, 19-32	28.7	675
250	Contra-directional coupling into slotted photonic crystals for spectrometric applications. <i>Optics Letters</i> , 2014 , 39, 4345-8	3	3
249	Phase-sensitive amplification in silicon photonic crystal waveguides. <i>Optics Letters</i> , 2014 , 39, 363-6	3	27
248	Observation of soliton compression in silicon photonic crystals. <i>Nature Communications</i> , 2014 , 5, 3160	17.4	104
247	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

246	Fibre Coupled Photonic Crystal Cavity Arrays on Transparent Substrates for Spatially Resolved Sensing. <i>Photonics</i> , 2014 , 1, 412-420	2.2	6
245	Degenerate photon-pair generation in an ultracompact silicon photonic crystal waveguide. <i>Optics Letters</i> , 2014 , 39, 3575-8	3	12
244	Hydrogen induced optically-active defects in silicon photonic nanocavities. <i>Optics Express</i> , 2014 , 22, 8843-55	3.5	5
243	Experimental high numerical aperture focusing with high contrast gratings: publisher's note. <i>Optics Letters</i> , 2014 , 39, 825	3	
242	Characterization of planar microlenses made of high contrast gratings 2014 ,		2
241	Dielectric waveguide vertically coupled to all-silicon photodiodes operating at telecommunication wavelengths. <i>Applied Physics Letters</i> , 2013 , 102, 171106	3.4	21
240	Integrated spatial multiplexing of heralded single-photon sources. <i>Nature Communications</i> , 2013 , 4, 2582	7.4	162
239	Optical delay in silicon photonic crystals using ultrafast indirect photonic transitions 2013 ,		1
238	Photonic crystal nanocavities in GaAs/AlGaAs with oxidised bottom cladding. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2013 , 11, 139-144	2.6	9
237	Slotted photonic crystal sensors. <i>Sensors</i> , 2013 , 13, 3675-710	3.8	64
236	Enhanced energy storage in chaotic optical resonators. <i>Nature Photonics</i> , 2013 , 7, 473-478	33.9	57
235	Mode multiplexed single-photon and classical channels in a few-mode fiber. <i>Optics Express</i> , 2013 , 21, 28794-800	3.3	24
234	Ultracompact (3 fñ) silicon slow-light optical modulator. <i>Scientific Reports</i> , 2013 , 3, 3546	4.9	9
233	Multi-photon absorption limits to heralded single photon sources. <i>Scientific Reports</i> , 2013 , 3, 3087	4.9	43
232	Microscopic investigations of advanced thin films for photonics. <i>Journal of Physics: Conference Series</i> , 2013 , 471, 012004	0.3	
231	Efficient color routing with a dispersion-controlled waveguide array. <i>Light: Science and Applications</i> , 2013 , 2, e52-e52	16.7	17
230	Deterministic quasi-random nanostructures for photon control. <i>Nature Communications</i> , 2013 , 4, 2665	17.4	171
229	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

228	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
227	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
226	Experimental high numerical aperture focusing with high contrast gratings. <i>Optics Letters</i> , 2013 , 38, 3410-3	4-8	48
225	Bidirectional multiplexing of heralded single photons from a silicon chip. <i>Optics Letters</i> , 2013 , 38, 5176-9	3-3	19
224	Optical guided mode resonance filter on a flexible substrate. <i>Optics Express</i> , 2013 , 21, 1002-7	3-3	28
223	Quantum state transfer in a photonic crystal waveguide. <i>IEEE Journal of Quantum Electronics</i> , 2012 , 48, 1177-1183	2	23
222	Measuring the spatial extent of individual localized photonic states. <i>Physical Review B</i> , 2012 , 86,	3-3	13
221	Propagation Losses of Slotted Photonic Crystal Waveguides. <i>IEEE Photonics Journal</i> , 2012 , 4, 1536-1541	1-8	20
220	Engineering gratings for light trapping in photovoltaics: The supercell concept. <i>Physical Review B</i> , 2012 , 86,	3-3	77
219	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
218	Electrical transport and depletion region in dry-etched Si-based nanostructures. <i>Semiconductor Science and Technology</i> , 2012 , 27, 045016	1-8	1
217	Characteristics of Correlated Photon Pairs Generated in Ultracompact Silicon Slow-Light Photonic Crystal Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012 , 18, 1676-1683	3-8	12
216	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
215	Enhancement of room temperature sub-bandgap light emission from silicon photonic crystal nanocavity by Purcell effect. <i>Physica B: Condensed Matter</i> , 2012 , 407, 4027-4031	2-8	14
214	Ultrafast tunable optical delay line based on indirect photonic transitions. <i>Physical Review Letters</i> , 2012 , 108, 213901	7-4	27
213	Lifetime statistics of quantum chaos studied by a multiscale analysis. <i>Applied Physics Letters</i> , 2012 , 100, 184101	3-4	14
212	Cascaded modulator architecture for WDM applications. <i>Optics Express</i> , 2012 , 20, 27420-8	3-3	40
211	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

210	Mid-infrared photonic crystal waveguides in silicon. <i>Optics Express</i> , 2012 , 20, 29361-8	3-3	38
209	Slow-light and evanescent modes at interfaces in photonic crystal waveguides: optimal extraction from experimental near-field measurements. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 955	1-7	11
208	Fabrication of low loss dispersion engineered chalcogenide photonic crystals. <i>Optics Express</i> , 2011 , 19, 1991-6	3-3	7
207	Four-wave mixing in photonic crystal waveguides: slow light enhancement and limitations. <i>Optics Express</i> , 2011 , 19, 4458-63	3-3	76
206	Mode structure of coupled L3 photonic crystal cavities. <i>Optics Express</i> , 2011 , 19, 5670-5	3-3	45
205	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
204	Experimental observation of evanescent modes at the interface to slow-light photonic crystal waveguides. <i>Optics Letters</i> , 2011 , 36, 1170-2	3	22
203	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
202	Third-harmonic generation in slow-light chalcogenide glass photonic crystal waveguides. <i>Optics Letters</i> , 2011 , 36, 2818-20	3	20
201	Slow-light enhanced correlated photon pair generation in a silicon photonic crystal waveguide. <i>Optics Letters</i> , 2011 , 36, 3413-5	3	88
200	Slotted photonic crystal cavities with integrated microfluidics for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2011 , 27, 101-5	11.8	141
199	Evidence of guided resonances in photonic quasicrystal slabs. <i>Physical Review B</i> , 2011 , 84,	3-3	26
198	Waveguide confined Raman spectroscopy for microfluidic interrogation. <i>Lab on A Chip</i> , 2011 , 11, 1262-70.2		53
197	Scaling of Raman amplification in realistic slow-light photonic crystal waveguides. <i>Physical Review B</i> , 2011 , 84,	3-3	18
196	Deliberate versus intrinsic disorder in photonic crystal nanocavities investigated by resonant light scattering. <i>Physical Review B</i> , 2011 , 84,	3-3	33
195	Room-temperature emission at telecom wavelengths from silicon photonic crystal nanocavities. <i>Applied Physics Letters</i> , 2011 , 98, 201106	3-4	42
194	Electrical conduction and optical properties of doped silicon-on-insulator photonic crystals. <i>Applied Physics Letters</i> , 2011 , 98, 203506	3-4	9
193	Optical forces near a nanoantenna. <i>Journal of Nanophotonics</i> , 2010 , 4, 041570	1.1	50

192	Optical chromatography using a photonic crystal fiber with on-chip fluorescence excitation. <i>Optics Express</i> , 2010 , 18, 6396-407	3-3	20
191	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
190	Optical signal processing on a silicon chip at 640Gb/s using slow-light. <i>Optics Express</i> , 2010 , 18, 7770-81	3-3	94
189	Statistical fluctuations of transmission in slow light photonic-crystal waveguides. <i>Optics Express</i> , 2010 , 18, 14654-63	3-3	33
188	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
187	Four-wave mixing in slow light engineered silicon photonic crystal waveguides. <i>Optics Express</i> , 2010 , 18, 22915-27	3-3	100
186	Low-power continuous-wave generation of visible harmonics in silicon photonic crystal nanocavities. <i>Optics Express</i> , 2010 , 18, 26613-24	3-3	82
185	Loss engineered slow light waveguides. <i>Optics Express</i> , 2010 , 18, 27627-38	3-3	136
184	Nonlinear loss dynamics in a silicon slow-light photonic crystal waveguide. <i>Optics Letters</i> , 2010 , 35, 1073-5		12
183	Experimental evidence of guided-resonances in photonic crystals with aperiodically ordered supercells. <i>Optics Letters</i> , 2010 , 35, 3946-8	3	15
182	. <i>IEEE Photonics Journal</i> , 2010 , 2, 181-194	1.8	130
181	Ultrafast adiabatic manipulation of slow light in a photonic crystal. <i>Physical Review A</i> , 2010 , 81,	2.6	52
180	Flexible metamaterials at visible wavelengths. <i>New Journal of Physics</i> , 2010 , 12, 113006	2.9	59
179	Dispersion engineered slow light in photonic crystals: a comparison. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 104004	1.7	147
178	Broadband Mirrors in the Near-Infrared Based on Subwavelength Gratings in SOI. <i>IEEE Photonics Journal</i> , 2010 , 2, 696-702	1.8	31
177	Photonic crystal formed by the imaginary part of the refractive index. <i>Advanced Materials</i> , 2010 , 22, 2676-9		21
176	Investigation of slow light enhanced nonlinear transmission for all-optical regeneration in silicon photonic crystal waveguides at 10 Gbit/s. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2010 , 8, 67-71	2.6	4
175	Ultrafast rerouting of light via slow modes in a nanophotonic directional coupler. <i>Applied Physics Letters</i> , 2009 , 94, 241119	3-4	24

174	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
173	Temperature stabilization of optofluidic photonic crystal cavities. <i>Applied Physics Letters</i> , 2009 , 94, 2311-1114	3.4	29
172	Chemical sensing in slotted photonic crystal heterostructure cavities. <i>Applied Physics Letters</i> , 2009 , 94, 063503	3.4	219
171	Green light emission in silicon through slow-light enhanced third-harmonic generation in photonic-crystal waveguides. <i>Nature Photonics</i> , 2009 , 3, 206-210	3.9	379
170	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
169	Accurate determination of hole sizes in photonic crystal slabs using an optical measurement. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 1115-1117	3	5
168	Optical filter with very large stopband (approximately 300 nm) based on a photonic-crystal vertical-directional coupler. <i>Optics Letters</i> , 2009 , 34, 3292-4	3	11
167	Complete response characterization of ultrafast linear photonic devices. <i>Optics Letters</i> , 2009 , 34, 3418-20	3.3	14
166	Slow light enhancement of nonlinear effects in silicon engineered photonic crystal waveguides. <i>Optics Express</i> , 2009 , 17, 2944-53	3.3	169
165	Integrated polymer microprisms for free space optical beam deflecting. <i>Optics Express</i> , 2009 , 17, 3424-8	3.3	9
164	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
163	Nanophotonic Polarization Diversity Demultiplexer Chip. <i>Journal of Lightwave Technology</i> , 2009 , 27, 417-425	4	27
162	Electro-optic modulation in slotted resonant photonic crystal heterostructures. <i>Applied Physics Letters</i> , 2009 , 94, 241107	3.4	66
161	. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 24-26	2.2	35
160	Light scattering and Fano resonances in high-Q photonic crystal nanocavities. <i>Applied Physics Letters</i> , 2009 , 94, 071101	3.4	175
159	Ultrafast all-optical switching in AlGaAs photonic crystal waveguide interferometers. <i>Applied Physics Letters</i> , 2009 , 95, 141108	3.4	14
158	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
157	Coupling length of silicon-on-insulator directional couplers probed by Fourier-space imaging. <i>Applied Physics Letters</i> , 2008 , 92, 151106	3.4	3

156	Ultracompact and low-power optical switch based on silicon photonic crystals. <i>Optics Letters</i> , 2008 , 33, 147-9	3	173
155	Integration of grating couplers with a compact photonic crystal demultiplexer on an InP membrane. <i>Optics Letters</i> , 2008 , 33, 884-6	3	18
154	High-Q microfluidic cavities in silicon-based two-dimensional photonic crystal structures. <i>Optics Letters</i> , 2008 , 33, 2206-8	3	41
153	Photonic crystal laser with mode selective mirrors. <i>Optics Express</i> , 2008 , 16, 1365-70	3-3	14
152	Optical deflection and sorting of microparticles in a near-field optical geometry. <i>Optics Express</i> , 2008 , 16, 3712-26	3-3	76
151	Optical vortex trap for resonant confinement of metal nanoparticles. <i>Optics Express</i> , 2008 , 16, 4991-9	3-3	182
150	Systematic design of flat band slow light in photonic crystal waveguides. <i>Optics Express</i> , 2008 , 16, 6227-32	3-3	386
149	Reconfigurable microfluidic photonic crystal slab cavities. <i>Optics Express</i> , 2008 , 16, 15887-96	3-3	53
148	Silica-embedded silicon photonic crystal waveguides. <i>Optics Express</i> , 2008 , 16, 17076-81	3-3	59
147	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
146	Dispersion control and slow light in slotted photonic crystal waveguides. <i>Applied Physics Letters</i> , 2008 , 92, 083501	3-4	97
145	Influence of residual disorder on the anticrossing of Bloch modes probed in k space. <i>Physical Review B</i> , 2008 , 78,	3-3	20
144	Phase-sensitive Fourier space imaging of optical Bloch modes. <i>Physical Review B</i> , 2008 , 77,	3-3	7
143	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
142	Photonic crystal waveguides for coarse-selectivity devices. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2008 , 6, 19-25	2.6	10
141	Photonic crystal slotted slab waveguides. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2008 , 6, 38-41	2.6	52
140	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
139	Mode structure of the L3 photonic crystal cavity. <i>Applied Physics Letters</i> , 2007 , 90, 241117	3-4	85

138	Compact Slanted Grating Couplers Between Optical Fiber and InP/InGaAsP Waveguides. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 396-398	2.2	19
137	Shot shifting for nanophotonic applications. <i>Microelectronic Engineering</i> , 2007 , 84, 1463-1466	2.5	2
136	Design and fabrication of high-efficiency fibre couplers for nanophotonic devices. <i>Microelectronic Engineering</i> , 2007 , 84, 1446-1449	2.5	3
135	Dynamics of a two-state quantum dot laser with saturable absorber. <i>Applied Physics Letters</i> , 2007 , 90, 121113	3.4	17
134	Silicon based organic semiconductor laser. <i>Applied Physics Letters</i> , 2007 , 91, 051124	3.4	19
133	Tunable optical delay using photonic crystal heterostructure nanocavities. <i>Physical Review B</i> , 2007 , 76,	3.3	14
132	Self-collimating photonic crystal polarization beam splitter. <i>Optics Letters</i> , 2007 , 32, 530-2	3	119
131	Compact polarization rotators for integrated polarization diversity in InP-based waveguides. <i>Optics Letters</i> , 2007 , 32, 2176-8	3	20
130	Coupling into slow-mode photonic crystal waveguides. <i>Optics Letters</i> , 2007 , 32, 2638-40	3	104
129	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
128	Flatband slow light in photonic crystals featuring spatial pulse compression and terahertz bandwidth. <i>Optics Express</i> , 2007 , 15, 219-26	3.3	131
127	Coupled photonic crystal heterostructure nanocavities. <i>Optics Express</i> , 2007 , 15, 1228-33	3.3	62
126	The resolution of optical traps created by Light Induced Dielectrophoresis (LIDEP). <i>Optics Express</i> , 2007 , 15, 12619-26	3.3	51
125	Dependence of extrinsic loss on group velocity in photonic crystal waveguides. <i>Optics Express</i> , 2007 , 15, 13129-38	3.3	108
124	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
123	Compact and Highly Efficient Grating Couplers Between Optical Fiber and Nanophotonic Waveguides. <i>Journal of Lightwave Technology</i> , 2007 , 25, 151-156	4	245
122	Slow light in photonic crystal waveguides. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 2666-2670	3	406
121	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

120	Fabrication of photonic crystals using a spin-coated hydrogen silsesquioxane hard mask). <i>Journal of Vacuum Science & Technology B</i> , 2006 , 24, 336		17
119	Low-loss propagation in photonic crystal waveguides. <i>Electronics Letters</i> , 2006 , 42, 1454	1.1	68
118	Compact and efficient fibre-to-waveguide grating couplers in InP-membrane. <i>Electronics Letters</i> , 2006 , 42, 343	1.1	4
117	Ultrafast reflectivity modulation in Al _x Ga _{1-x} As/In _y Al _x Ga _{1-x} As multiple quantum well photonic crystal waveguides. <i>Physical Review B</i> , 2006 , 74,	3.3	1
116	Control of the nonlinear carrier response time of AlGaAs photonic crystal waveguides by sample design. <i>Applied Physics Letters</i> , 2006 , 88, 141104	3.4	8
115	Integrated monolithic optical manipulation. <i>Lab on A Chip</i> , 2006 , 6, 1122-4	7.2	41
114	Reduced surface sidewall recombination and diffusion in quantum-dot lasers. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1861-1863	2.2	36
113	Cross-Correlation Timing Jitter Measurement of High Power Passively Mode-Locked Two-Section Quantum-Dot Lasers. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2317-2319	2.2	14
112	Enhanced all-optical tuning of leaky eigenmodes in photonic crystal waveguides. <i>Optics Letters</i> , 2006 , 31, 2284-6	3	8
111	Ultrafast monolithic semiconductor-polymer Kerr-lens saturable absorber. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 2291	1.7	
110	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
109	Low loss silicon on insulator photonic crystal waveguides made by 193nm optical lithography. <i>Optics Express</i> , 2006 , 14, 2440-5	3.3	50
108	Monolithic integration of microfluidic channels and semiconductor lasers. <i>Optics Express</i> , 2006 , 14, 7723-93	3.3	20
107	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
106	Photonic crystals shine on. <i>Physics World</i> , 2006 , 19, 32-36	0.5	9
105	Physics. Control at the quantum level. <i>Science</i> , 2005 , 308, 1122-3	33.3	4
104	Electrooptic tuning of InP-based microphotonic Fabry-Perot filters. <i>Journal of Lightwave Technology</i> , 2005 , 23, 2169-2174	4	10
103	Kerr-effect-induced passive Q switching of a monolithic semiconductor diode laser. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 792	1.7	2

102	Local probing of Bloch mode dispersion in a photonic crystal waveguide. <i>Optics Express</i> , 2005 , 13, 4457-643	3.3	43
101	Compact polarization converter in InP-based material. <i>Optics Express</i> , 2005 , 13, 5040-5	14.2	19
100	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	2.2	9
99	Electrically tunable multiquantum-well InGaAsP-InGaAsP microphotonic filter. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 837-839	7.4	337
98	Real-space observation of ultraslow light in photonic crystal waveguides. <i>Physical Review Letters</i> , 2005 , 94, 073903	4.4	123
97	All-optical control of microfluidic components using form birefringence. <i>Nature Materials</i> , 2005 , 4, 530-327		2
96	Ultrafast nonlinear response of AlGaAs/InAlGaAs MQW photonic crystal waveguides. <i>Physica Status Solidi A</i> , 2005 , 202, 2653-2656		
95	Reflection and emission of Brillouin zone edge states for active photonic crystal waveguides. <i>Journal of Optics</i> , 2005 , 7, S270-S275	3.4	19
94	Dual lattice photonic-crystal beam splitters. <i>Applied Physics Letters</i> , 2005 , 86, 211106	3.4	3
93	Integrated chirp compensation in a monolithic passively mode-locked semiconductor diode laser. <i>Applied Physics Letters</i> , 2005 , 86, 221104	7.4	67
92	Direct observation of Bloch harmonics and negative phase velocity in photonic crystal waveguides. <i>Physical Review Letters</i> , 2005 , 94, 123901	2.5	16
91	Influence of grating characteristics on the operation of circular-grating distributed-feedback polymer lasers. <i>Journal of Applied Physics</i> , 2005 , 98, 023105	3.4	8
90	Effect of gain localization in circular-grating distributed feedback lasers. <i>Applied Physics Letters</i> , 2005 , 87, 201101		32
89	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	2.5	10
88	Ultrafast nonlinear tuning of the reflection properties of AlGaAs photonic crystal waveguides by two-photon absorption. <i>Journal of Applied Physics</i> , 2004 , 96, 4729-4734	2.4	5
87	Effects of random and systematic perturbations in a one-dimensional photonic crystal wavelength converter. <i>Physical Review E</i> , 2004 , 70, 017601	3.4	41
86	Low-loss photonic crystal defect waveguides in InP. <i>Applied Physics Letters</i> , 2004 , 84, 3588-3590		3
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