

Benjamin J Eggleton

List of Publications by Year in descending order

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224
papers

10,711
citations

38742

50
h-index

31849

101
g-index

228
all docs

228
docs citations

228
times ranked

6819
citing authors

#	ARTICLE	IF	CITATIONS
1	Chalcogenide photonics. <i>Nature Photonics</i> , 2011, 5, 141-148.	31.4	1,345
2	Bragg Grating Solitons. <i>Physical Review Letters</i> , 1996, 76, 1627-1630.	7.8	629
3	Ultrasensitive photonic crystal fiber refractive index sensor. <i>Optics Letters</i> , 2009, 34, 322.	3.3	418
4	Roadmap of optical communications. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 063002.	2.2	402
5	High-energy pulse synthesis with sub-cycle waveform control for strong-field physics. <i>Nature Photonics</i> , 2011, 5, 475-479.	31.4	308
6	On-chip stimulated Brillouin scattering. <i>Optics Express</i> , 2011, 19, 8285.	3.4	306
7	Low-power, chip-based stimulated Brillouin scattering microwave photonic filter with ultrahigh selectivity. <i>Optica</i> , 2015, 2, 76.	9.3	282
8	Dispersionless slow light using gap solitons. <i>Nature Physics</i> , 2006, 2, 775-780.	16.7	261
9	Inducing and harnessing stimulated Brillouin scattering in photonic integrated circuits. <i>Advances in Optics and Photonics</i> , 2013, 5, 536.	25.5	253
10	Brillouin integrated photonics. <i>Nature Photonics</i> , 2019, 13, 664-677.	31.4	244
11	Dispersion Trimming in a Reconfigurable Wavelength Selective Switch. <i>Journal of Lightwave Technology</i> , 2008, 26, 73-78.	4.6	231
12	Fluid-Filled Solid-Core Photonic Bandgap Fibers. <i>Journal of Lightwave Technology</i> , 2009, 27, 1617-1630.	4.6	211
13	Topological protection of biphoton states. <i>Science</i> , 2018, 362, 568-571.	12.6	203
14	Topological Optical Waveguiding in Silicon and the Transition between Topological and Trivial Defect States. <i>Physical Review Letters</i> , 2016, 116, 163901.	7.8	195
15	Integrated sources of photon quantum states based on nonlinear optics. <i>Light: Science and Applications</i> , 2017, 6, e17100-e17100.	16.6	194
16	Photonic-chip-based radio-frequency spectrum analyser with terahertz bandwidth. <i>Nature Photonics</i> , 2009, 3, 139-143.	31.4	178
17	Pure-quartic solitons. <i>Nature Communications</i> , 2016, 7, 10427.	12.8	160
18	Compact Brillouin devices through hybrid integration on silicon. <i>Optica</i> , 2017, 4, 847.	9.3	135

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19	Observation of Eisenbudâ€™Wignerâ€™Smith states as principal modes in multimode fibre. Nature Photonics, 2015, 9, 751-757.	31.4	133
20	Slow Light Enhanced Nonlinear Optics in Silicon Photonic Crystal Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 344-356.	2.9	132
21	Roadmap on all-optical processing. Journal of Optics (United Kingdom), 2019, 21, 063001.	2.2	128
22	Photonic chip based tunable and reconfigurable narrowband microwave photonic filter using stimulated Brillouin scattering. Optics Express, 2012, 20, 18836.	3.4	126
23	Photonic Aharonovâ€™Bohm effect in photonâ€™phonon interactions. Nature Communications, 2014, 5, 3225.	12.8	124
24	Design for broadband on-chip isolator using stimulated Brillouin scattering in dispersion-engineered chalcogenide waveguides. Optics Express, 2012, 20, 21235.	3.4	116
25	Tailoring of the Brillouin gain for on-chip widely tunable and reconfigurable broadband microwave photonic filters. Optics Letters, 2016, 41, 436.	3.3	116
26	Photonic-chip-based tunable slow and fast light via stimulated Brillouin scattering. Optics Letters, 2012, 37, 969.	3.3	112
27	Integrated microwave photonic filters. Advances in Optics and Photonics, 2020, 12, 485.	25.5	111
28	A chip-integrated coherent photonic-phononic memory. Nature Communications, 2017, 8, 574.	12.8	110
29	All-optimized integrated RF photonic notch filter. Optics Letters, 2017, 42, 4631.	3.3	106
30	Si ₃ N ₄ ring resonator-based microwave photonic notch filter with an ultrahigh peak rejection. Optics Express, 2013, 21, 23286.	3.4	105
31	Advanced Integrated Microwave Signal Processing With Giant On-Chip Brillouin Gain. Journal of Lightwave Technology, 2017, 35, 846-854.	4.6	99
32	Local tuning of photonic crystal cavities using chalcogenide glasses. Applied Physics Letters, 2008, 92, .	3.3	93
33	On-chip stimulated Brillouin Scattering for microwave signal processing and generation. Laser and Photonics Reviews, 2014, 8, 653-666.	8.7	92
34	Wide-range, high-precision multiple microwave frequency measurement using a chip-based photonic Brillouin filter. Optica, 2016, 3, 30.	9.3	91
35	Frequency agile microwave photonic notch filter with anomalously high stopband rejection. Optics Letters, 2013, 38, 4300.	3.3	88
36	Spectral photonic lattices with complex long-range coupling. Optica, 2017, 4, 1433.	9.3	87

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37	Chalcogenide photonics: fabrication, devices and applications Introduction. Optics Express, 2010, 18, 26632.	3.4	85
38	Widely tunable, low phase noise microwave source based on a photonic chip. Optics Letters, 2016, 41, 4633.	3.3	84
39	Hybrid photonic circuit for multiplexed heralded single photons. Laser and Photonics Reviews, 2014, 8, L42.	8.7	83
40	Integrated optical auto-correlator based on third-harmonic generation in a silicon photonic crystal waveguide. Nature Communications, 2014, 5, 3246.	12.8	79
41	Narrow linewidth Brillouin laser based on chalcogenide photonic chip. Optics Letters, 2013, 38, 3208.	3.3	74
42	Enhancing and inhibiting stimulated Brillouin scattering in photonic integrated circuits. Nature Communications, 2015, 6, 6396.	12.8	73
43	Acoustic confinement and stimulated Brillouin scattering in integrated optical waveguides. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2657.	2.1	72
44	Nonlinear Integrated Microwave Photonics. Journal of Lightwave Technology, 2014, 32, 3421-3427.	4.6	72
45	Low-error and broadband microwave frequency measurement in a silicon chip. Optica, 2015, 2, 751.	9.3	71
46	Topologically protected entangled photonic states. Nanophotonics, 2019, 8, 1327-1335.	6.0	68
47	Tunable narrowband microwave photonic filter created by stimulated Brillouin scattering from a silicon nanowire. Optics Letters, 2015, 40, 4154.	3.3	67
48	Tunable wideband microwave photonic phase shifter using on-chip stimulated Brillouin scattering. Optics Express, 2014, 22, 28810.	3.4	66
49	Fiber taper coupling to chalcogenide microsphere modes. Applied Physics Letters, 2008, 92, 171109.	3.3	56
50	Generation of Nonclassical Biphoton States through Cascaded Quantum Walks on a Nonlinear Chip. Physical Review X, 2014, 4, .	8.9	52
51	Tunable microwave photonic notch filter using on-chip stimulated Brillouin scattering. Optics Communications, 2014, 313, 85-89.	2.1	52
52	Link Performance Optimization of Chip-Based Si ₃ N ₄ Microwave Photonic Filters. Journal of Lightwave Technology, 2018, 36, 4361-4370.	4.6	48
53	Phase-sensitive amplification in silicon photonic crystal waveguides. Optics Letters, 2014, 39, 363.	3.3	46
54	Lossless and high-resolution RF photonic notch filter. Optics Letters, 2016, 41, 5306.	3.3	46

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55	Silicon-Chip-Based Real-Time Dispersion Monitoring for 640 Gbit/s DPSK Signals. <i>Journal of Lightwave Technology</i> , 2011, 29, 1790-1796.	4.6	44
56	High-resolution, on-chip RF photonic signal processor using Brillouin gain shaping and RF interference. <i>Scientific Reports</i> , 2017, 7, 5932.	3.3	44
57	Low noise frequency comb carriers for 64-QAM via a Brillouin comb amplifier. <i>Optics Express</i> , 2017, 25, 17847.	3.4	42
58	Gigahertz optical tuning of an on-chip radio frequency photonic delay line. <i>Optica</i> , 2017, 4, 418.	9.3	42
59	Chip-based Brillouin radio frequency photonic phase shifter and wideband time delay. <i>Optics Letters</i> , 2017, 42, 1313.	3.3	42
60	Phase-sensitive amplification of light in a λ^3 photonic chip using a dispersion engineered chalcogenide ridge waveguide. <i>Optics Express</i> , 2013, 21, 7926.	3.4	41
61	Observation of Brillouin dynamic grating in a photonic chip. <i>Optics Letters</i> , 2013, 38, 305.	3.3	39
62	Phase-locking and Pulse Generation in Multi-Frequency Brillouin Oscillator via Four Wave Mixing. <i>Scientific Reports</i> , 2014, 4, 5032.	3.3	38
63	Bragg Soliton Compression and Fission on CMOS-Compatible Ultra-Silicon-Rich Nitride. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900114.	8.7	37
64	Integration of Brillouin and passive circuits for enhanced radio-frequency photonic filtering. <i>APL Photonics</i> , 2019, 4, .	5.7	37
65	Chip-based Brillouin processing for carrier recovery in self-coherent optical communications. <i>Optica</i> , 2018, 5, 1191.	9.3	37
66	Efficient optical pulse compression using chalcogenide single-mode fibers. <i>Applied Physics Letters</i> , 2006, 88, 081116.	3.3	36
67	Stimulated Brillouin Scattering in Photonic Integrated Circuits: Novel Applications and Devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 336-346.	2.9	36
68	System-Level Performance of Chip-Based Brillouin Microwave Photonic Bandpass Filters. <i>Journal of Lightwave Technology</i> , 2019, 37, 5246-5258.	4.6	36
69	Phase-locked, chip-based, cascaded stimulated Brillouin scattering. <i>Optica</i> , 2014, 1, 311.	9.3	35
70	Temperature stabilization of optofluidic photonic crystal cavities. <i>Applied Physics Letters</i> , 2009, 94, 231114.	3.3	32
71	Brillouin-based light storage and delay techniques. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 083003.	2.2	32
72	Coherently refreshing hypersonic phonons for light storage. <i>Optica</i> , 2020, 7, 492.	9.3	32

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73	Positive link gain microwave photonic bandpass filter using Si ₃ N ₄ -ring-enabled sideband filtering and carrier suppression. Optics Express, 2019, 27, 31727.	3.4	31
74	On-chip Brillouin purification for frequency comb-based coherent optical communications. Optics Letters, 2017, 42, 5074.	3.3	30
75	Multidimensional synthetic chiral-tube lattices via nonlinear frequency conversion. Light: Science and Applications, 2020, 9, 132.	16.6	30
76	Research priorities for COVID-19 sensor technology. Nature Biotechnology, 2021, 39, 144-147.	17.5	29
77	Bi-photon spectral correlation measurements from a silicon nanowire in the quantum and classical regimes. Scientific Reports, 2015, 5, 12557.	3.3	28
78	Signal interference RF photonic bandstop filter. Optics Express, 2016, 24, 14995.	3.4	28
79	Chip-Based Brillouin Processing for Phase Control of RF Signals. IEEE Journal of Quantum Electronics, 2018, 54, 1-13.	1.9	28
80	On-Chip Brillouin Filtering of RF and Optical Signals. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-11.	2.9	28
81	Brillouin-based phase shifter in a silicon waveguide. Optica, 2019, 6, 907.	9.3	28
82	Highly nonlinear chalcogenide fibres for all-optical signal processing. Optical and Quantum Electronics, 2007, 39, 1115-1131.	3.3	23
83	CMOS-compatible photonic devices for single-photon generation. Nanophotonics, 2016, 5, 427-439.	6.0	23
84	Temporal characterization of a multi-wavelength Brillouin-erbium fiber laser. New Journal of Physics, 2016, 18, 055003.	2.9	23
85	On-chip correlation-based Brillouin sensing: design, experiment, and simulation. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 146.	2.1	23
86	Highly localized distributed Brillouin scattering response in a photonic integrated circuit. APL Photonics, 2018, 3, .	5.7	22
87	Reconfigurable On-Chip Mode Exchange for Mode-Division Multiplexing Optical Networks. Journal of Lightwave Technology, 2019, 37, 1008-1013.	4.6	22
88	Highly sensitive, broadband microwave frequency identification using a chip-based Brillouin optoelectronic oscillator. Optics Express, 2019, 27, 12855.	3.4	22
89	Multi-Impairment Monitoring at 320 Gb/s Based on Cross-Phase Modulation Radio-Frequency Spectrum Analyzer. IEEE Photonics Technology Letters, 2010, 22, 428-430.	2.5	19
90	Versatile silicon microwave photonic spectral shaper. APL Photonics, 2021, 6, .	5.7	19

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91	Thermo-optically tunable spectral broadening in a nonlinear ultra-silicon-rich nitride Bragg grating. <i>Photonics Research</i> , 2021, 9, 596.	7.0	19
92	Free-carrier-induced soliton fission unveiled by in situ measurements in nanophotonic waveguides. <i>Nature Communications</i> , 2016, 7, 11332.	12.8	17
93	On-chip broadband nonreciprocal light storage. <i>Nanophotonics</i> , 2020, 10, 75-82.	6.0	17
94	In situ optofluidic control of reconfigurable photonic crystal cavities. <i>Applied Physics Letters</i> , 2012, 100, 261107.	3.3	16
95	Optimizing optical Bragg scattering for single-photon frequency conversion. <i>Physical Review A</i> , 2015, 91, .	2.5	16
96	Chalcogenide Brillouin lasers. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2014, 23, 1450001.	1.8	15
97	High-Performance Chip-Assisted Microwave Photonic Functionalities. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1822-1825.	2.5	15
98	Cross talk-free coherent multi-wavelength Brillouin interaction. <i>APL Photonics</i> , 2019, 4, .	5.7	15
99	Low-RF-loss and large-rejection reconfigurable Brillouin-based RF photonic bandpass filter. <i>Optics Letters</i> , 2020, 45, 3705.	3.3	14
100	Photonic Crystal Waveguide Sources of Photons for Quantum Communication Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 205-214.	2.9	13
101	Brillouin spectroscopy of a hybrid silicon-chalcogenide waveguide with geometrical variations. <i>Optics Letters</i> , 2018, 43, 3493.	3.3	13
102	Wideband Spectral Enhancement through On-Chip Bragg Soliton Dynamics. <i>Advanced Photonics Research</i> , 2021, 2, 2100107.	3.6	13
103	High-conversion-gain and deep-image-rejection Brillouin chip-based photonic RF mixer. <i>Optics Letters</i> , 2020, 45, 5571.	3.3	13
104	Broadband Brillouin Phase Shifter Utilizing RF Interference: Experimental Demonstration and Theoretical Analysis. <i>Journal of Lightwave Technology</i> , 2020, 38, 3624-3636.	4.6	12
105	High link performance of Brillouin-loss based microwave bandpass photonic filters. <i>OSA Continuum</i> , 2018, 1, 1287.	1.8	12
106	Independent manipulation of the phase and amplitude of optical sidebands in a highly-stable RF photonic filter. <i>Optics Express</i> , 2015, 23, 23278.	3.4	11
107	Suspended mid-infrared waveguides for Stimulated Brillouin Scattering. <i>Optics Express</i> , 2019, 27, 4976.	3.4	11
108	11 GHz Bandwidth Photonic Radar using MHz Electronics. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	11

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109	Circulator-Free Brillouin Photonic Planar Circuit. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000481.	8.7	10
110	Hybrid Chalcogenide-Germanosilicate Waveguides for High Performance Stimulated Brillouin Scattering Applications. <i>Advanced Functional Materials</i> , 2022, 32, 2105230.	14.9	10
111	Integrated microwave photonic true-time delay with interferometric delay enhancement based on Brillouin scattering and microring resonators. <i>Optics Express</i> , 2020, 28, 36020.	3.4	10
112	OSNR Monitoring of a 1.28 Tbaud Signal by Interferometry Inside a Wavelength-Selective Switch. <i>Journal of Lightwave Technology</i> , 2011, 29, 1542-1546.	4.6	9
113	Synthetic photonic lattice for single-shot reconstruction of frequency combs. <i>APL Photonics</i> , 2020, 5, .	5.7	9
114	An optical parametric Bragg amplifier on a CMOS chip. <i>Nanophotonics</i> , 2021, 10, 3507-3518.	6.0	9
115	Reconfigurable microwave bandstop filter based on stimulated Brillouin scattering in a photonic chip. , 2016, , .		9
116	Si ₃ N ₄ -chip-based versatile photonic RF waveform generator with a wide tuning range of repetition rate. <i>Optics Letters</i> , 2020, 45, 1370.	3.3	9
117	Photonic Generation of 30 GHz Bandwidth Stepped-Frequency Signals for Radar Applications. <i>Journal of Lightwave Technology</i> , 2022, 40, 4521-4527.	4.6	9
118	Ultra-high suppression microwave photonic bandstop filters. <i>Science Bulletin</i> , 2014, 59, 2684-2692.	1.7	8
119	Wide-range optical carrier recovery via broadened Brillouin filters. <i>Optics Letters</i> , 2021, 46, 166.	3.3	8
120	Brillouin Filtering with Enhanced Noise Performance and Linearity Using Anti-Stokes Interactions. , 2018, , .		8
121	High Resolution Brillouin Sensing of Micro-Scale Structures. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2572.	2.5	6
122	On-chip stimulated Brillouin scattering for microwave photonic signal processing. , 2016, , .		6
123	Multi-Band and Frequency-Agile Chip-Based RF Photonic Filter for Ultra-Deep Interference Rejection. <i>Journal of Lightwave Technology</i> , 2022, 40, 1672-1680.	4.6	6
124	Harnessing On-Chip SBS. <i>Optics and Photonics News</i> , 2015, 26, 34.	0.5	5
125	Nonlinear optics in 2D materials. <i>APL Photonics</i> , 2019, 4, 034101.	5.7	5
126	Picosecond pulse generation from continuous-wave light in an integrated nonlinear Bragg grating. <i>Nanophotonics</i> , 2022, 11, 2319-2328.	6.0	5

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127	Error-free 640 Gbit/s demultiplexing using a chalcogenide planar waveguide chip. , 2008, , .		4
128	Microwave photonic notch filter using on-chip stimulated Brillouin scattering. , 2013, , .		4
129	Dispersion Engineering of Highly Nonlinear As ₂ S ₃ Waveguides for Parametric Gain and Wavelength Conversion. , 2007, , .		3
130	Chip-based broadband microwave photonic mixer with image rejection. , 2021, , .		3
131	Slow light in nonlinear fibre Bragg gratings. , 2006, , .		2
132	Low-threshold supercontinuum generation in dispersion engineered highly nonlinear chalcogenide fiber nanowires. , 2008, , .		2
133	High-resolution optical sampling by means of dispersionshifted highly nonlinear chalcogenide waveguides. , 2009, , .		2
134	Parabolic pulse shaping for enhanced continuum generation using an LCoS-based wavelength selective switch. , 2009, , .		2
135	Accuracy of Waveform Spectrum Analysis for Ultrashort Optical Pulses. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3059-3070.	4.6	2
136	LCOS based waveshaper technology for optical signal processing and performance monitoring. , 2012, , .		2
137	Ultra-wideband RF photonic phase shifter with 360° tunable phase and configurable amplitude response. , 2014, , .		2
138	Lossless and high-resolution RF photonic filter. , 2016, , .		2
139	Ultrashallow Junction Electrodes in Low-Loss Silicon Microring Resonators. Physical Review Applied, 2021, 15, .	3.8	2
140	Effective linewidth reduction in self-homodyne coherent reception by stimulated Brillouin scattering-based optical carrier recovery. Optics Express, 2021, 29, 25697.	3.4	2
141	On-Chip Backward Inter-modal Brillouin Scattering. , 2019, , .		2
142	Error free wavelength conversion in As ₂ Se ₃ singlemode chalcogenide fiber. , 2006, , .		1
143	Slow light in nonlinear fibre Bragg gratings. , 2006, , .		1
144	Grating induced spectral enhancement via four-wave mixing. , 2006, , .		1

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145	Enhanced Kerr Nonlinearity in Sub-wavelength Diameter As_2Se_3 Chalcogenide Fibre Tapers. , 2007, , .		1
146	Nanowire coupling to photonic crystal nanocavities for single photon sources. , 2007, , .		1
147	Applications of Long Period Gratings in Solid Core Photonic Bandgap Fibers. AIP Conference Proceedings, 2008, , .	0.4	1
148	Slow Light Generation Using Fibre Bragg Gratings. , 2008, , .		1
149	On-chip stimulated Brillouin scattering. , 2010, , .		1
150	Improved CAR and noise analysis for photon-pair generation in an ultra-compact silicon slow-light photonic crystal waveguide. , 2011, , .		1
151	Integrating Brillouin processing with functional circuits for enhanced RF photonic processing. , 2018, , .		1
152	Ultra-Deep Multi-Notch Microwave Photonic Filter utilising On-Chip Brillouin processing and Microring Resonators. , 2021, , .		1
153	Supercontinuum enhancement using Bragg solitons on a CMOS-compatible chip. , 2019, , .		1
154	Amplitude and phase control of RF signals using on-chip stimulated Brillouin scattering. , 2016, , .		1
155	Delay amplification in a broadband Brillouin-based microwave photonic delay line. , 2016, , .		1
156	On-Chip All-Optical Polarisation Pulling via Stimulated Brillouin Scattering. , 2020, , .		1
157	On-chip stimulated Brillouin scattering. Semiconductors and Semimetals, 2022, , .	0.7	1
158	Optically trapped silica micro-fibers. , 2006, , .		0
159	Microbend long period gratings in fluid-filled photonic bandgap fiber. , 2006, , .		0
160	Measurement of n_2 and two-photon absorption in As_2Se_3 chalcogenide single-mode fibre. , 2006, , .		0
161	Ultrahigh speed pulse trains via superimposed fibre Bragg gratings and nonlinear wavelength conversion. , 2006, , .		0
162	Fabrication of sampled Bragg gratings in highly nonlinear integrated chalcogenide (As_2S_3) waveguides. , 2006, , .		0

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163	Slow gap solitons in an optical fibre Bragg grating. , 2006, , .		0
164	Coupling via Tapered Nanowire Micro-Loops to Photonic Crystal Nanocavities for Single-Photon Source Applications. , 2006, , .		0
165	Enhancement of emission due to local density of states (LDOS) effects in 2-D photonic crystal tapered optical fibre. , 2006, , .		0
166	Slow Light Propagation in Nonlinear Bragg Gratings. , 2006, , .		0
167	Optically Tweezed Silica Micro-Cantilevers. , 2006, , .		0
168	Optically Trapped Silica Nanowires. , 2006, , .		0
169	Characterization and modeling of Fano resonances in chalcogenide glass photonic crystal membranes. , 2006, , .		0
170	Long-period gratings in chalcogenide rib waveguides. , 2006, , .		0
171	Photo-thermal effects in fiber Bragg gratings. , 2006, , .		0
172	The nonlinear wavenumber in supercontinuum generation. , 2006, , .		0
173	All-Optical Switching and Two-Photon Absorption Effects in Long-Period Gratings in As_2S_3 Chalcogenide Fibre. , 2007, , .		0
174	All-optical in-band OSNR monitoring at 160Gb/s using non-linear optical loop mirror. , 2007, , .		0
175	Novel Shadow Mask Structure for Sampled Bragg Gratings in Chalcogenide (As_2S_3) Planar Waveguides. , 2007, , .		0
176	All-Optical Wavelength Conversion in As_2S_3 Chalcogenide Glass Rib Waveguides. , 2007, , .		0
177	Supercontinuum spatial gap solitons. , 2007, , .		0
178	Nanowire Coupling to Photonic Crystal nanocavities for Single Photon Sources. , 2007, , .		0
179	High Quality Comb Filters in Chalcogenide Rib Waveguides. , 2007, , .		0
180	Tuning of Photonic Crystal Nanocavity Resonances. , 2007, , .		0

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181	Observation of polychromatic gap solitons generated by supercontinuum light. , 2007, , .		0
182	Modulation-instability and pulse-train generation in a highly nonlinear Bragg grating. , 2008, , .		0
183	13th Optoelectronics and communications conference (OECC) and 33rd australian conference on optical fibre technology (ACOFT) - [OECC conference report]. , 2008, 46, 20-20.		0
184	All-optical RF spectrum analysis of ultra-high speed optical signals. , 2008, , .		0
185	Strong photoinduced Bragg gratings in single-mode arsenic selenide optical fibre by the transverse holographic method. , 2008, , .		0
186	Arbitrary pulse bursts at 40 GHz created with a wavelength selective switch. , 2008, , .		0
187	Photo-induced cavities in chalcogenide photonic crystals. , 2008, , .		0
188	Dispersion Trimming Using a Liquid Crystal on Silicon Based Wavelength Selective Switch. , 2008, , .		0
189	Reconfigurable silicon-based photonic crystal components using microfluidics. , 2008, , .		0
190	Photoinduced high-Q cavities in chalcogenide photonic crystals. , 2009, , .		0
191	High-resolution optical sampling of 640-Gb/s signals using highly nonlinear chalcogenide waveguides. , 2009, , .		0
192	Wavelength and repetition rate tunable mode-locked laser at up to 640 GHz using reconfigurable wavelength selective switch. , 2009, , .		0
193	Automatic higher-order dispersion measurement and compensation of a 1.28 Tbaud signal. , 2010, , .		0
194	Simultaneous multi-channel OSNR monitoring at 40 Gb/s OOK and DPSK using a wavelength selective switch. , 2010, , .		0
195	Silicon-chip-based THz bandwidth radio-frequency spectrum analyser. , 2010, , .		0
196	Photonic chip based all-optical logic gate for 40 Gbit/s and 160 Gbit/s DPSK signals. , 2010, , .		0
197	Silicon chip based instantaneous dispersion monitoring for a 640 Gbit/s DPSK signal. , 2010, , .		0
198	Terahertz bandwidth waveform spectrum analysis. , 2010, , .		0

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199	Octave spanning supercontinuum in an As ₂ S ₃ taper using ultra-low pump pulse energy: Theory and experiment. , 2011, , .		0
200	2.04 μ m light generation from a Ti:Sapphire laser using a Photonic Crystal Fiber with low OH loss. , 2011, , .		0
201	All-optical signal processing using slow light enhanced nonlinearities in silicon waveguides. , 2011, , .		0
202	On-chip cascaded stimulated Brillouin scattering. , 2011, , .		0
203	Novel laser sources in the mid-Infrared. , 2012, , .		0
204	High efficiency single photon frequency conversion in the telecommunications band. , 2013, , .		0
205	Spatial light modulators for space-division multiplexing. , 2014, , .		0
206	Editorial: Welcome to APL Photonics. APL Photonics, 2016, 1, 010401.	5.7	0
207	Editorial: Early Career Editorial Advisory Board and APL Photonics Future Luminary Award. APL Photonics, 2018, 3, 010401.	5.7	0
208	Editorial: Announcing the 2019 Early Career Editorial Advisory Board Appointees. APL Photonics, 2018, 3, 120401.	5.7	0
209	Coherent photonic-phononic interactions in integrated circuits. , 2018, , .		0
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