

# Benjamin J Eggleton

## List of Publications by Year in descending order

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224  
papers

10,711  
citations

44444

50  
h-index

36203

101  
g-index

228  
all docs

228  
docs citations

228  
times ranked

7959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Chalcogenide-Germanosilicate Waveguides for High Performance Stimulated Brillouin Scattering Applications. <i>Advanced Functional Materials</i> , 2022, 32, 2105230.	7.8	10
2	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.	2.7	6
3	11-GHz-Bandwidth Photonic Radar using MHz Electronics. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	11
4	Photonic Generation of 30 GHz Bandwidth Stepped-Frequency Signals for Radar Applications. <i>Journal of Lightwave Technology</i> , 2022, 40, 4521-4527.	2.7	9
5	Picosecond pulse generation from continuous-wave light in an integrated nonlinear Bragg grating. <i>Nanophotonics</i> , 2022, 11, 2319-2328.	2.9	5
6	Pilot-Tone-Assisted Stimulated-Brillouin-Scattering-Based Optical Carrier Recovery for Kramers-Kronig Reception. <i>Journal of Lightwave Technology</i> , 2022, 40, 4642-4648.	2.7	0
7	On-chip stimulated Brillouin scattering. <i>Semiconductors and Semimetals</i> , 2022, , .	0.4	1
8	Wide-range optical carrier recovery via broadened Brillouin filters. <i>Optics Letters</i> , 2021, 46, 166.	1.7	8
9	Research priorities for COVID-19 sensor technology. <i>Nature Biotechnology</i> , 2021, 39, 144-147.	9.4	29
10	Circulator-Free Brillouin Photonic Planar Circuit. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000481.	4.4	10
11	Versatile silicon microwave photonic spectral shaper. <i>APL Photonics</i> , 2021, 6, .	3.0	19
12	Thermo-optically tunable spectral broadening in a nonlinear ultra-silicon-rich nitride Bragg grating. <i>Photonics Research</i> , 2021, 9, 596.	3.4	19
13	Announcing the 2021 early career editorial advisory board appointees. <i>APL Photonics</i> , 2021, 6, .	3.0	0
14	Ultrashallow Junction Electrodes in Low-Loss Silicon Microring Resonators. <i>Physical Review Applied</i> , 2021, 15, .	1.5	2
15	Wideband Spectral Enhancement through On-Chip Bragg-Soliton Dynamics. <i>Advanced Photonics Research</i> , 2021, 2, 2100107.	1.7	13
16	Ultra-Deep Multi-Notch Microwave Photonic Filter utilising On-Chip Brillouin processing and Microring Resonators. , 2021, , .		1
17	Effective linewidth reduction in self-homodyne coherent reception by stimulated Brillouin scattering-based optical carrier recovery. <i>Optics Express</i> , 2021, 29, 25697.	1.7	2
18	An optical parametric Bragg amplifier on a CMOS chip. <i>Nanophotonics</i> , 2021, 10, 3507-3518.	2.9	9

#	ARTICLE	IF	CITATIONS
19	Integrated Microwave Photonic Filters. , 2021, , .		0
20	Effective Linewidth Reduction in Self-Homodyne Coherent Reception Enabled by stimulated Brillouin scattering. , 2021, , .		0
21	Chip-based RF Photonic Notch Filter for Deep Rejection of Multi-Band Interfering Signals. , 2021, , .		0
22	Chip-based broadband microwave photonic mixer with image rejection. , 2021, , .		3
23	Multidimensional synthetic chiral-tube lattices via nonlinear frequency conversion. Light: Science and Applications, 2020, 9, 132.	7.7	30
24	Broadband Brillouin Phase Shifter Utilizing RF Interference: Experimental Demonstration and Theoretical Analysis. Journal of Lightwave Technology, 2020, 38, 3624-3636.	2.7	12
25	Announcing the 2020 Early Career Editorial Advisory Board appointees. APL Photonics, 2020, 5, .	3.0	0
26	Synthetic photonic lattice for single-shot reconstruction of frequency combs. APL Photonics, 2020, 5, .	3.0	9
27	Integrated microwave photonic filters. Advances in Optics and Photonics, 2020, 12, 485.	12.1	111
28	Integrated microwave photonic true-time delay with interferometric delay enhancement based on Brillouin scattering and microring resonators. Optics Express, 2020, 28, 36020.	1.7	10
29	Si <sub>3</sub> N <sub>4</sub> -chip-based versatile photonic RF waveform generator with a wide tuning range of repetition rate. Optics Letters, 2020, 45, 1370.	1.7	9
30	Low-RF-loss and large-rejection reconfigurable Brillouin-based RF photonic bandpass filter. Optics Letters, 2020, 45, 3705.	1.7	14
31	Coherently refreshing hypersonic phonons for light storage. Optica, 2020, 7, 492.	4.8	32
32	On-chip broadband nonreciprocal light storage. Nanophotonics, 2020, 10, 75-82.	2.9	17
33	Chip-based broadband true-time delay using Brillouin scattering and phase amplification. , 2020, , .		0
34	Fully reconfigurable chip-based Brillouin microwave photonic multi-passband filter with high RF link gain. , 2020, , .		0
35	On-Chip All-Optical Polarisation Pulling via Stimulated Brillouin Scattering. , 2020, , .		1
36	High-conversion-gain and deep-image-rejection Brillouin chip-based photonic RF mixer. Optics Letters, 2020, 45, 5571.	1.7	13

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37	Brillouin integrated photonics. Nature Photonics, 2019, 13, 664-677.	15.6	244
38	Bragg Soliton Compression and Fission on CMOS-compatible Ultra-silicon-rich Nitride. Laser and Photonics Reviews, 2019, 13, 1900114.	4.4	37
39	Integration of Brillouin and passive circuits for enhanced radio-frequency photonic filtering. APL Photonics, 2019, 4, .	3.0	37
40	System-Level Performance of Chip-Based Brillouin Microwave Photonic Bandpass Filters. Journal of Lightwave Technology, 2019, 37, 5246-5258.	2.7	36
41	Topologically robust entangled states in silicon. , 2019, , .		0
42	Topologically protected entangled photonic states. Nanophotonics, 2019, 8, 1327-1335.	2.9	68
43	Introduction to the APL Photonics editorial series on the future of photonics. APL Photonics, 2019, 4, 040401.	3.0	0
44	Roadmap on all-optical processing. Journal of Optics (United Kingdom), 2019, 21, 063001.	1.0	128
45	Cross talk-free coherent multi-wavelength Brillouin interaction. APL Photonics, 2019, 4, .	3.0	15
46	Intermodal and multimode fiber photonics. APL Photonics, 2019, 4, 022701.	3.0	0
47	Nonlinear optics in 2D materials. APL Photonics, 2019, 4, 034101.	3.0	5
48	Reconfigurable On-Chip Mode Exchange for Mode-Division Multiplexing Optical Networks. Journal of Lightwave Technology, 2019, 37, 1008-1013.	2.7	22
49	Supercontinuum enhancement using Bragg solitons on a CMOS-compatible chip. , 2019, , .		1
50	On-chip correlation-based Brillouin sensing: design, experiment, and simulation. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 146.	0.9	23
51	Suspended mid-infrared waveguides for Stimulated Brillouin Scattering. Optics Express, 2019, 27, 4976.	1.7	11
52	Highly sensitive, broadband microwave frequency identification using a chip-based Brillouin optoelectronic oscillator. Optics Express, 2019, 27, 12855.	1.7	22
53	Positive link gain microwave photonic bandpass filter using Si <sub>3</sub> N <sub>4</sub> -ring-enabled sideband filtering and carrier suppression. Optics Express, 2019, 27, 31727.	1.7	31
54	Brillouin-based phase shifter in a silicon waveguide. Optica, 2019, 6, 907.	4.8	28

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55	Brillouin-loss enabled Noise Figure Improvement for Chip-based Tunable Microwave Photonic Filters. , 2019, , .		0
56	On-Chip Backward Inter-modal Brillouin Scattering. , 2019, , .		2
57	A Renaissance in Brillouin Photonics for On-Chip Signal Processing and Sensing. , 2019, , .		0
58	Editorial: Early Career Editorial Advisory Board and APL Photonics Future Luminary Award. APL Photonics, 2018, 3, 010401.	3.0	0
59	Chip-Based Brillouin Processing for Phase Control of RF Signals. IEEE Journal of Quantum Electronics, 2018, 54, 1-13.	1.0	28
60	Highly localized distributed Brillouin scattering response in a photonic integrated circuit. APL Photonics, 2018, 3, .	3.0	22
61	Editorial: Announcing the 2019 Early Career Editorial Advisory Board Appointees. APL Photonics, 2018, 3, 120401.	3.0	0
62	Integrating Brillouin processing with functional circuits for enhanced RF photonic processing. , 2018, , .		1
63	High Resolution Brillouin Sensing of Micro-Scale Structures. Applied Sciences (Switzerland), 2018, 8, 2572.	1.3	6
64	Coherent photonic-phononic interactions in integrated circuits. , 2018, , .		0
65	Develop RF-Photonic Technology for Wideband Spectrum Analyses. , 2018, , .		0
66	Topological protection of biphoton states. Science, 2018, 362, 568-571.	6.0	203
67	Brillouin spectroscopy of a hybrid silicon-chalcogenide waveguide with geometrical variations. Optics Letters, 2018, 43, 3493.	1.7	13
68	Link Performance Optimization of Chip-Based Si <sub>3</sub> N <sub>4</sub> Microwave Photonic Filters. Journal of Lightwave Technology, 2018, 36, 4361-4370.	2.7	48
69	Brillouin-based light storage and delay techniques. Journal of Optics (United Kingdom), 2018, 20, 083003.	1.0	32
70	On-Chip Brillouin Filtering of RF and Optical Signals. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-11.	1.9	28
71	High-Performance Chip-Assisted Microwave Photonic Functionalities. IEEE Photonics Technology Letters, 2018, 30, 1822-1825.	1.3	15
72	Chip-based Brillouin processing for carrier recovery in self-coherent optical communications. Optica, 2018, 5, 1191.	4.8	37

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73	High link performance of Brillouin-loss based microwave bandpass photonic filters. OSA Continuum, 2018, 1, 1287.	1.8	12
74	Brillouin Filtering with Enhanced Noise Performance and Linearity Using Anti-Stokes Interactions. , 2018, , .		8
75	A chip-integrated coherent photonic-phononic memory. Nature Communications, 2017, 8, 574.	5.8	110
76	High-resolution, on-chip RF photonic signal processor using Brillouin gain shaping and RF interference. Scientific Reports, 2017, 7, 5932.	1.6	44
77	Integrated sources of photon quantum states based on nonlinear optics. Light: Science and Applications, 2017, 6, e17100-e17100.	7.7	194
78	Advanced Integrated Microwave Signal Processing With Giant On-Chip Brillouin Gain. Journal of Lightwave Technology, 2017, 35, 846-854.	2.7	99
79	Low noise frequency comb carriers for 64-QAM via a Brillouin comb amplifier. Optics Express, 2017, 25, 17847.	1.7	42
80	Gigahertz optical tuning of an on-chip radio frequency photonic delay line. Optica, 2017, 4, 418.	4.8	42
81	Compact Brillouin devices through hybrid integration on silicon. Optica, 2017, 4, 847.	4.8	135
82	Chip-based Brillouin radio frequency photonic phase shifter and wideband time delay. Optics Letters, 2017, 42, 1313.	1.7	42
83	All-optimized integrated RF photonic notch filter. Optics Letters, 2017, 42, 4631.	1.7	106
84	On-chip Brillouin purification for frequency comb-based coherent optical communications. Optics Letters, 2017, 42, 5074.	1.7	30
85	Spectral photonic lattices with complex long-range coupling. Optica, 2017, 4, 1433.	4.8	87
86	Widely tunable, low phase noise microwave source based on a photonic chip. Optics Letters, 2016, 41, 4633.	1.7	84
87	Signal interference RF photonic bandstop filter. Optics Express, 2016, 24, 14995.	1.7	28
88	Free-carrier-induced soliton fission unveiled by in situ measurements in nanophotonic waveguides. Nature Communications, 2016, 7, 11332.	5.8	17
89	Lossless and high-resolution RF photonic filter. , 2016, , .		2
90	CMOS-compatible photonic devices for single-photon generation. Nanophotonics, 2016, 5, 427-439.	2.9	23

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91	Roadmap of optical communications. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 063002.	1.0	402
92	Topological Optical Waveguiding in Silicon and the Transition between Topological and Trivial Defect States. <i>Physical Review Letters</i> , 2016, 116, 163901.	2.9	195
93	Editorial: Welcome to APL Photonics. <i>APL Photonics</i> , 2016, 1, 010401.	3.0	0
94	Temporal characterization of a multi-wavelength Brillouin erbium fiber laser. <i>New Journal of Physics</i> , 2016, 18, 055003.	1.2	23
95	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.	1.9	36
96	Pure-quartic solitons. <i>Nature Communications</i> , 2016, 7, 10427.	5.8	160
97	Wide-range, high-precision multiple microwave frequency measurement using a chip-based photonic Brillouin filter. <i>Optica</i> , 2016, 3, 30.	4.8	91
98	Tailoring of the Brillouin gain for on-chip widely tunable and reconfigurable broadband microwave photonic filters. <i>Optics Letters</i> , 2016, 41, 436.	1.7	116
99	Reconfigurable microwave bandstop filter based on stimulated Brillouin scattering in a photonic chip. , 2016, , .		9
100	Lossless and high-resolution RF photonic notch filter. <i>Optics Letters</i> , 2016, 41, 5306.	1.7	46
101	Amplitude and phase control of RF signals using on-chip stimulated Brillouin scattering. , 2016, , .		1
102	Delay amplification in a broadband Brillouin-based microwave photonic delay line. , 2016, , .		1
103	On-chip stimulated Brillouin scattering for microwave photonic signal processing. , 2016, , .		6
104	Bi-photon spectral correlation measurements from a silicon nanowire in the quantum and classical regimes. <i>Scientific Reports</i> , 2015, 5, 12557.	1.6	28
105	Low-power, chip-based stimulated Brillouin scattering microwave photonic filter with ultrahigh selectivity. <i>Optica</i> , 2015, 2, 76.	4.8	282
106	Enhancing and inhibiting stimulated Brillouin scattering in photonic integrated circuits. <i>Nature Communications</i> , 2015, 6, 6396.	5.8	73
107	Optimizing optical Bragg scattering for single-photon frequency conversion. <i>Physical Review A</i> , 2015, 91, .	1.0	16
108	Low-error and broadband microwave frequency measurement in a silicon chip. <i>Optica</i> , 2015, 2, 751.	4.8	71

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109	Independent manipulation of the phase and amplitude of optical sidebands in a highly-stable RF photonic filter. <i>Optics Express</i> , 2015, 23, 23278.	1.7	11
110	Harnessing On-Chip SBS. <i>Optics and Photonics News</i> , 2015, 26, 34.	0.4	5
111	Observation of Eisenbudâ€™Wignerâ€™Smith states as principal modes in multimode fibre. <i>Nature Photonics</i> , 2015, 9, 751-757.	15.6	133
112	Tunable narrowband microwave photonic filter created by stimulated Brillouin scattering from a silicon nanowire. <i>Optics Letters</i> , 2015, 40, 4154.	1.7	67
113	Photonic Crystal Waveguide Sources of Photons for Quantum Communication Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 205-214.	1.9	13
114	Phase-locked, chip-based, cascaded stimulated Brillouin scattering. <i>Optica</i> , 2014, 1, 311.	4.8	35
115	Chalcogenide Brillouin lasers. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2014, 23, 1450001.	1.1	15
116	Tunable wideband microwave photonic phase shifter using on-chip stimulated Brillouin scattering. <i>Optics Express</i> , 2014, 22, 28810.	1.7	66
117	Ultra-wideband RF photonic phase shifter with 360&#x00B0; tunable phase and configurable amplitude response. , 2014, , .		2
118	Spatial light modulators for space-division multiplexing. , 2014, , .		0
119	Generation of Nonclassical Biphoton States through Cascaded Quantum Walks on a Nonlinear Chip. <i>Physical Review X</i> , 2014, 4, .	2.8	52
120	Tunable microwave photonic notch filter using on-chip stimulated Brillouin scattering. <i>Optics Communications</i> , 2014, 313, 85-89.	1.0	52
121	On-chip stimulated Brillouin Scattering for microwave signal processing and generation. <i>Laser and Photonics Reviews</i> , 2014, 8, 653-666.	4.4	92
122	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
123	Ultra-high suppression microwave photonic bandstop filters. <i>Science Bulletin</i> , 2014, 59, 2684-2692.	1.7	8
124	Photonic Aharonovâ€™Bohm effect in photonâ€™phonon interactions. <i>Nature Communications</i> , 2014, 5, 3225.	5.8	124
125	Nonlinear Integrated Microwave Photonics. <i>Journal of Lightwave Technology</i> , 2014, 32, 3421-3427.	2.7	72
126	Hybrid photonic circuit for multiplexed heralded single photons. <i>Laser and Photonics Reviews</i> , 2014, 8, L42.	4.4	83



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127	Phase-sensitive amplification in silicon photonic crystal waveguides. <i>Optics Letters</i> , 2014, 39, 363.	1.7	46
128	Phase-locking and Pulse Generation in Multi-Frequency Brillouin Oscillator via Four Wave Mixing. <i>Scientific Reports</i> , 2014, 4, 5032.	1.6	38
129	Observation of Brillouin dynamic grating in a photonic chip. <i>Optics Letters</i> , 2013, 38, 305.	1.7	39
130	Microwave photonic notch filter using on-chip stimulated Brillouin scattering. , 2013, , .		4
131	Narrow linewidth Brillouin laser based on chalcogenide photonic chip. <i>Optics Letters</i> , 2013, 38, 3208.	1.7	74
132	Inducing and harnessing stimulated Brillouin scattering in photonic integrated circuits. <i>Advances in Optics and Photonics</i> , 2013, 5, 536.	12.1	253
133	Phase-sensitive amplification of light in a $\Gamma^3$ photonic chip using a dispersion engineered chalcogenide ridge waveguide. <i>Optics Express</i> , 2013, 21, 7926.	1.7	41
134	Acoustic confinement and stimulated Brillouin scattering in integrated optical waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 2657.	0.9	72
135	High efficiency single photon frequency conversion in the telecommunications band. , 2013, , .		0
136	Si <sub>3</sub> N <sub>4</sub> ring resonator-based microwave photonic notch filter with an ultrahigh peak rejection. <i>Optics Express</i> , 2013, 21, 23286.	1.7	105
137	Frequency agile microwave photonic notch filter with anomalously high stopband rejection. <i>Optics Letters</i> , 2013, 38, 4300.	1.7	88
138	Photonic-chip-based tunable slow and fast light via stimulated Brillouin scattering. <i>Optics Letters</i> , 2012, 37, 969.	1.7	112
139	Photonic chip based tunable and reconfigurable narrowband microwave photonic filter using stimulated Brillouin scattering. <i>Optics Express</i> , 2012, 20, 18836.	1.7	126
140	Design for broadband on-chip isolator using stimulated Brillouin scattering in dispersion-engineered chalcogenide waveguides. <i>Optics Express</i> , 2012, 20, 21235.	1.7	116
141	Novel laser sources in the mid-Infrared. , 2012, , .		0
142	<i>In situ</i> optofluidic control of reconfigurable photonic crystal cavities. <i>Applied Physics Letters</i> , 2012, 100, 261107.	1.5	16
143	LCOS based waveshaper technology for optical signal processing and performance monitoring. , 2012, , .		2
144	Octave spanning supercontinuum in an As<sup>inf</sup>>2</sup>/inf<sup>gt</sup>S<sup>inf</sup>>3</sup>/inf<sup>gt</sup> taper using ultra-low pump pulse energy: Theory and experiment. , 2011, , .		0

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145	2.04 $\mu\text{m}$ light generation from a Ti:Sapphire laser using a Photonic Crystal Fiber with low OH loss. , 2011, , .		0
146	Improved CAR and noise analysis for photon-pair generation in an ultra-compact silicon slow-light photonic crystal waveguide. , 2011, , .		1
147	OSNR Monitoring of a 1.28 Tbaud Signal by Interferometry Inside a Wavelength-Selective Switch. Journal of Lightwave Technology, 2011, 29, 1542-1546.	2.7	9
148	Silicon-Chip-Based Real-Time Dispersion Monitoring for 640 Gbit/s DPSK Signals. Journal of Lightwave Technology, 2011, 29, 1790-1796.	2.7	44
149	On-chip stimulated Brillouin scattering. Optics Express, 2011, 19, 8285.	1.7	306
150	High-energy pulse synthesis with sub-cycle waveform control for strong-field physics. Nature Photonics, 2011, 5, 475-479.	15.6	308
151	Chalcogenide photonics. Nature Photonics, 2011, 5, 141-148.	15.6	1,345
152	All-optical signal processing using slow light enhanced nonlinearities in silicon waveguides. , 2011, , .		0
153	On-chip cascaded stimulated Brillouin scattering. , 2011, , .		0
154	Automatic higher-order dispersion measurement and compensation of a 1.28 Tbaud signal. , 2010, , .		0
155	Simultaneous multi-channel OSNR monitoring at 40 Gb/s OOK and DPSK using a wavelength selective switch. , 2010, , .		0
156	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
157	Silicon-chip-based THz bandwidth radio-frequency spectrum analyser. , 2010, , .		0
158	Photonic chip based all-optical logic gate for 40 Gbit/s and 160 Gbit/s DPSK signals. , 2010, , .		0
159	Silicon chip based instantaneous dispersion monitoring for a 640 Gbit/s DPSK signal. , 2010, , .		0
160	On-chip stimulated Brillouin scattering. , 2010, , .		1
161	Multi-Impairment Monitoring at 320 Gb/s Based on Cross-Phase Modulation Radio-Frequency Spectrum Analyzer. IEEE Photonics Technology Letters, 2010, 22, 428-430.	1.3	19
162	Terahertz bandwidth waveform spectrum analysis. , 2010, , .		0

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163	Chalcogenide photonics: fabrication, devices and applications Introduction. Optics Express, 2010, 18, 26632.	1.7	85
164	Accuracy of Waveform Spectrum Analysis for Ultrashort Optical Pulses. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3059-3070.	2.9	2
165	Photoinduced high-Q cavities in chalcogenide photonic crystals. , 2009, , .		0
166	Temperature stabilization of optofluidic photonic crystal cavities. Applied Physics Letters, 2009, 94, 231114.	1.5	32
167	High-resolution optical sampling by means of dispersionshifted highly nonlinear chalcogenide waveguides. , 2009, , .		2
168	High-resolution optical sampling of 640-Gb/s signals using highly nonlinear chalcogenide waveguides. , 2009, , .		0
169	Parabolic pulse shaping for enhanced continuum generation using an LCoS-based wavelength selective switch. , 2009, , .		2
170	Wavelength and repetition rate tunable mode-locked laser at up to 640 GHz using reconfigurable wavelength selective switch. , 2009, , .		0
171	Photonic-chip-based radio-frequency spectrum analyser with terahertz bandwidth. Nature Photonics, 2009, 3, 139-143.	15.6	178
172	Ultrasensitive photonic crystal fiber refractive index sensor. Optics Letters, 2009, 34, 322.	1.7	418
173	Fluid-Filled Solid-Core Photonic Bandgap Fibers. Journal of Lightwave Technology, 2009, 27, 1617-1630.	2.7	211
174	Modulation-instability and pulse-train generation in a highly nonlinear Bragg grating. , 2008, , .		0
175	Dispersion Trimming in a Reconfigurable Wavelength Selective Switch. Journal of Lightwave Technology, 2008, 26, 73-78.	2.7	231
176	13th Optoelectronics and communications conference (OECC) and 33rd Australian conference on optical fibre technology (ACOFT) - [OECC conference report]. , 2008, 46, 20-20.		0
177	All-optical RF spectrum analysis of ultra-high speed optical signals. , 2008, , .		0
178	Strong photoinduced Bragg gratings in single-mode arsenic selenide optical fibre by the transverse holographic method. , 2008, , .		0
179	Arbitrary pulse bursts at 40 GHz created with a wavelength selective switch. , 2008, , .		0
180	Error-free 640 Gbit/s demultiplexing using a chalcogenide planar waveguide chip. , 2008, , .		4

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181	Applications of Long Period Gratings in Solid Core Photonic Bandgap Fibers. AIP Conference Proceedings, 2008, , .	0.3	1
182	Photo-induced cavities in chalcogenide photonic crystals. , 2008, , .		0
183	Dispersion Trimming Using a Liquid Crystal on Silicon Based Wavelength Selective Switch. , 2008, , .		0
184	Slow Light Generation Using Fibre Bragg Gratings. , 2008, , .		1
185	Reconfigurable silicon-based photonic crystal components using microfluidics. , 2008, , .		0
186	Local tuning of photonic crystal cavities using chalcogenide glasses. Applied Physics Letters, 2008, 92, .	1.5	93
187	Low-threshold supercontinuum generation in dispersion engineered highly nonlinear chalcogenide fiber nanowires. , 2008, , .		2
188	Fiber taper coupling to chalcogenide microsphere modes. Applied Physics Letters, 2008, 92, 171109.	1.5	56
189	Reconfigurable microfluidic photonic crystal cavities. , 2008, , .		0
190	All-Optical Switching and Two-Photon Absorption Effects in Long-Period Gratings in $\text{As}_2\text{S}_3$ Chalcogenide Fibre. , 2007, , .		0
191	All-optical in-band OSNR monitoring at 160Gb/s using non-linear optical loop mirror. , 2007, , .		0
192	Dispersion Engineering of Highly Nonlinear $\text{As}_2\text{S}_3$ Waveguides for Parametric Gain and Wavelength Conversion. , 2007, , .		3
193	Novel Shadow Mask Structure for Sampled Bragg Gratings in Chalcogenide ( $\text{As}_2\text{S}_3$ ) Planar Waveguides. , 2007, , .		0
194	All-Optical Wavelength Conversion in $\text{As}_2\text{S}_3$ Chalcogenide Glass Rib Waveguides. , 2007, , .		0
195	Supercontinuum spatial gap solitons. , 2007, , .		0
196	Nanowire Coupling to Photonic Crystal nanocavities for Single Photon Sources. , 2007, , .		0
197	Enhanced Kerr Nonlinearity in Sub-wavelength Diameter $\text{As}_2\text{Se}_3$ Chalcogenide Fibre Tapers. , 2007, , .		1
198	High Quality Comb Filters in Chalcogenide Rib Waveguides. , 2007, , .		0

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199	Tuning of Photonic Crystal Nanocavity Resonances. , 2007, , .		0
200	Observation of polychromatic gap solitons generated by supercontinuum light. , 2007, , .		0
201	Nanowire coupling to photonic crystal nanocavities for single photon sources. , 2007, , .		1
202	Highly nonlinear chalcogenide fibres for all-optical signal processing. Optical and Quantum Electronics, 2007, 39, 1115-1131.	1.5	23
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