

Michael J Steel

List of Publications by Year in descending order

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210
papers

6,832
citations

61945

43
h-index

66879

78
g-index

211
all docs

211
docs citations

211
times ranked

4784
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical quantum noise in trapped Bose-Einstein condensates. <i>Physical Review A</i> , 1998, 58, 4824-4835.	1.0	359
2	Confinement losses in microstructured optical fibers. <i>Optics Letters</i> , 2001, 26, 1660.	1.7	271
3	Elliptical-hole photonic crystal fibers. <i>Optics Letters</i> , 2001, 26, 229.	1.7	258
4	Symmetry and degeneracy in microstructured optical fibers. <i>Optics Letters</i> , 2001, 26, 488.	1.7	249
5	Brillouin integrated photonics. <i>Nature Photonics</i> , 2019, 13, 664-677.	15.6	244
6	Integrated spatial multiplexing of heralded single-photon sources. <i>Nature Communications</i> , 2013, 4, 2582.	5.8	228
7	Fano Resonance between Mie and Bragg Scattering in Photonic Crystals. <i>Physical Review Letters</i> , 2009, 103, 023901.	2.9	187
8	Point-by-point written fiber-Bragg gratings and their application in complex grating designs. <i>Optics Express</i> , 2010, 18, 19844.	1.7	186
9	Polarization and dispersive properties of elliptical-hole photonic crystal fibers. <i>Journal of Lightwave Technology</i> , 2001, 19, 495-503.	2.7	177
10	Laser written circuits for quantum photonics. <i>Laser and Photonics Reviews</i> , 2015, 9, 363-384.	4.4	176
11	Cladding mode coupling in highly localized fiber Bragg gratings: modal properties and transmission spectra. <i>Optics Express</i> , 2011, 19, 325.	1.7	161
12	Quantum state of two trapped Bose-Einstein condensates with a Josephson coupling. <i>Physical Review A</i> , 1998, 57, 2920-2930.	1.0	155
13	High transmission enhanced Faraday rotation in one-dimensional photonic crystals with defects. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 1171-1173.	1.3	151
14	Photonic bandgaps with defects and the enhancement of Faraday rotation. <i>Journal of Lightwave Technology</i> , 2000, 18, 1297-1308.	2.7	134
15	Slow-light enhanced correlated photon pair generation in a silicon photonic crystal waveguide. <i>Optics Letters</i> , 2011, 36, 3413.	1.7	130
16	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
17	Stimulated Brillouin scattering in integrated photonic waveguides: Forces, scattering mechanisms, and coupled-mode analysis. <i>Physical Review A</i> , 2015, 92, .	1.0	115
18	Realization of a compact and single-mode optical passive polarization converter. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 317-319.	1.3	104

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19	Diamond based photonic crystal microcavities. Optics Express, 2006, 14, 3556.	1.7	102
20	Active temporal multiplexing of indistinguishable heralded single photons. Nature Communications, 2016, 7, 10853.	5.8	101
21	Flat-top response in one-dimensional magnetic photonic bandgap structures with Faraday rotation enhancement. Journal of Lightwave Technology, 2001, 19, 1964-1969.	2.7	97
22	A study of high-index-contrast 90 degree waveguide bend structures. Optics Express, 2001, 8, 517.	1.7	97
23	Low-symmetry magnetic photonic crystals for nonreciprocal and unidirectional devices. Optics Express, 2009, 17, 5265.	1.7	94
24	Hybrid photonic circuit for multiplexed heralded single photons. Laser and Photonics Reviews, 2014, 8, L42.	4.4	83
25	Polarization-dependent effects in point-by-point fiber Bragg gratings enable simple, linearly polarized fiber lasers. Optics Express, 2009, 17, 6082.	1.7	81
26	Tapered photonic crystal fibres: properties, characterisation and applications. Applied Physics B: Lasers and Optics, 2005, 81, 377-387.	1.1	78
27	High-Q cavities in photosensitive photonic crystals. Optics Letters, 2007, 32, 542.	1.7	73
28	Design of high-Q cavities in photonic crystal slab heterostructures by air-holes infiltration. Optics Express, 2006, 14, 12451.	1.7	70
29	Tunable quantum interference in a 3D integrated circuit. Scientific Reports, 2015, 5, 9601.	1.6	70
30	Point-by-point inscription of apodized fiber Bragg gratings. Optics Letters, 2011, 36, 2988.	1.7	66
31	Emission and Nonradiative Decay of Nanodiamond NV Centers in a Low Refractive Index Environment. ACS Nano, 2013, 7, 3833-3843.	7.3	66
32	Large magneto-optical Kerr rotation with high reflectivity from photonic bandgap structures with defects. Journal of Lightwave Technology, 2000, 18, 1289-1296.	2.7	65
33	Generation of correlated photon pairs in a chalcogenide As ₂ S ₃ waveguide. Applied Physics Letters, 2011, 98, .	1.5	62
34	Characterization and modeling of Fano resonances in chalcogenide photonic crystal membranes. Optics Express, 2006, 14, 369.	1.7	61
35	Cladding mode coupling in highly localized fiber Bragg gratings II: complete vectorial analysis. Optics Express, 2012, 20, 21434.	1.7	54
36	Modification of spontaneous emission from nanodiamond colour centres on a structured surface. New Journal of Physics, 2011, 13, 073012.	1.2	52

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37	Leakage of the fundamental mode in photonic crystal fiber tapers. <i>Optics Letters</i> , 2005, 30, 1123.	1.7	50
38	Chalcogenide glass photonic crystals. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2008, 6, 3-11.	1.0	48
39	Towards low-loss lightwave circuits for non-classical optics at 800 and 1,550 nm. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 113-118.	1.1	47
40	Low Raman-noise correlated photon-pair generation in a dispersion-engineered chalcogenide As ₂ S ₃ planar waveguide. <i>Optics Letters</i> , 2012, 37, 3393.	1.7	46
41	Complex propagators for evanescent waves in bidirectional beam propagation method. <i>Journal of Lightwave Technology</i> , 2000, 18, 1155-1160.	2.7	45
42	Non-classical interference in integrated 3D multiports. <i>Optics Express</i> , 2012, 20, 26895.	1.7	44
43	Quantum-correlated photon pair generation in chalcogenide As ₂ S ₃ waveguides. <i>Optics Express</i> , 2010, 18, 16206.	1.7	43
44	Long wavelength anti-resonant guidance in high index inclusion microstructured fibers. <i>Optics Express</i> , 2004, 12, 5424.	1.7	42
45	Nonlinear Optics in Fiber Gratings. <i>Optical Fiber Technology</i> , 1996, 2, 253-268.	1.4	41
46	Photonic Structures. <i>Optics and Photonics News</i> , 2004, 15, 34.	0.4	41
47	Confinement of band-edge modes in a photonic crystal slab. <i>Optics Express</i> , 2007, 15, 10890.	1.7	41
48	A Hamiltonian treatment of stimulated Brillouin scattering in nanoscale integrated waveguides. <i>New Journal of Physics</i> , 2016, 18, 045004.	1.2	41
49	Optimizing the net reflectivity of point-by-point fiber Bragg gratings: the role of scattering loss. <i>Optics Express</i> , 2012, 20, 13451.	1.7	38
50	High-Q cavities in multilayer photonic crystal slabs. <i>Optics Express</i> , 2007, 15, 17248.	1.7	36
51	Single scatterer Fano resonances in solid core photonic band gap fibers. <i>Optics Express</i> , 2006, 14, 8797.	1.7	35
52	Bragg scattering induces Fano resonance in photonic crystals. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2010, 8, 86-93.	1.0	35
53	Impact of nonlinear loss on stimulated Brillouin scattering. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 1968.	0.9	35
54	Second-harmonic generation in second-harmonic fiber Bragg gratings. <i>Applied Optics</i> , 1996, 35, 3211.	2.1	33

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55	Domain engineering algorithm for practical and effective photon sources. Optics Express, 2016, 24, 19616.	1.7	33
56	Brillouin resonance broadening due to structural variations in nanoscale waveguides. New Journal of Physics, 2016, 18, 025006.	1.2	33
57	Stimulated Brillouin scattering in silicon/chalcogenide slot waveguides. Optics Express, 2016, 24, 4786.	1.7	33
58	Cascaded forward Brillouin scattering to all Stokes orders. New Journal of Physics, 2017, 19, 023021.	1.2	33
59	A new slant on photonic crystal fibers. Optics Express, 2004, 12, 1528.	1.7	31
60	Transverse characterization of high air-fill fraction tapered photonic crystal fiber. Applied Optics, 2005, 44, 3885.	2.1	31
61	Detuning in apodized point-by-point fiber Bragg gratings: insights into the grating morphology. Optics Express, 2013, 21, 26854.	1.7	31
62	Group velocity in lossy periodic structured media. Physical Review A, 2010, 82, .	1.0	29
63	Confinement loss in adiabatic photonic crystal fiber tapers. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1965.	0.9	28
64	Slow light with flat or offset band edges in few-mode fiber with two gratings. Optics Express, 2007, 15, 17954.	1.7	28
65	Formal selection rules for Brillouin scattering in integrated waveguides and structured fibers. Optics Express, 2014, 22, 32489.	1.7	28
66	Bi-photon spectral correlation measurements from a silicon nanowire in the quantum and classical regimes. Scientific Reports, 2015, 5, 12557.	1.6	28
67	On-chip generation of heralded photon-number states. Scientific Reports, 2016, 6, 35975.	1.6	28
68	Continuously tunable bandpass filtering using high-index inclusion microstructured optical fibre. Electronics Letters, 2005, 41, 463.	0.5	26
69	Analytic properties of photonic crystal superprism parameters. Physical Review E, 2005, 71, 056608.	0.8	26
70	Simple model for pulse formation in lasers with a frequency-shifting element and nonlinearity. Optics Communications, 1995, 117, 469-474.	1.0	25
71	Bidirectional multiplexing of heralded single photons from a silicon chip. Optics Letters, 2013, 38, 5176.	1.7	25
72	Measurement and Shaping of Biphoton Spectral Wave Functions. Physical Review Letters, 2015, 115, 193602.	2.9	24

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73	Characteristics of Correlated Photon Pairs Generated in Ultracompact Silicon Slow-Light Photonic Crystal Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1676-1683.	1.9	23
74	Spontaneous parametric downconversion in waveguides: what's loss got to do with it?. New Journal of Physics, 2015, 17, 013055.	1.2	23
75	Schrödinger equation description for cross-phase modulation in grating structures. Physical Review A, 1994, 49, 5048-5055.	1.0	22
76	Multiplexed single-photon-state preparation using a fiber-loop architecture. Physical Review A, 2015, 92, .	1.0	22
77	Random number generation from spontaneous Raman scattering. Applied Physics Letters, 2015, 107, .	1.5	22
78	Near-zero anomalous dispersion Ge ₁₁₅ As ₂₄ Se ₆₄₅ glass nanowires for correlated photon pair generation: design and analysis. Optics Express, 2012, 20, 776.	1.7	21
79	Room temperature low-threshold InAs/InP quantum dot single mode photonic crystal microlasers at 15 μ m using cavity-confined slow light. Optics Express, 2009, 17, 5439.	1.7	20
80	Effect of scattering loss on connections between classical and quantum processes in second-order nonlinear waveguides. Optics Letters, 2015, 40, 1460.	1.7	20
81	Engineering integrated photonics for heralded quantum gates. Scientific Reports, 2016, 6, 25126.	1.6	20
82	Finite Element Analysis of Stimulated Brillouin Scattering in Integrated Photonic Waveguides. Journal of Lightwave Technology, 2019, 37, 3791-3804.	2.7	20
83	Single Photon Emission from Diamond nanocrystals in an Opal Photonic Crystal. Optics Express, 2009, 17, 18044.	1.7	19
84	Tracking emission rate dynamics of nitrogen vacancy centers in nanodiamonds. Applied Physics Letters, 2013, 102, .	1.5	19
85	Canonical quantization of macroscopic electrodynamics in a linear, inhomogeneous magnetoelectric medium. Physical Review A, 2013, 87, .	1.0	19
86	Spontaneous Emission Suppression via Quantum Path Interference in Coupled Microcavities. Physical Review Letters, 2006, 96, 103902.	2.9	17
87	Design and fabrication of reconfigurable laser-written waveguide circuits. Optics Express, 2017, 25, 33056.	1.7	16
88	Continuous-wave parametric amplification in Bragg gratings. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 2445.	0.9	15
89	Spontaneous emission and photon dynamics in dielectric microcavities. Physical Review A, 2006, 74, .	1.0	15
90	Comparison of the sensitivity of air and dielectric modes in photonic crystal slab sensors. Optics Express, 2009, 17, 14552.	1.7	15

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91	Mode conversion using stimulated Brillouin scattering in nanophotonic silicon waveguides. Optics Express, 2014, 22, 29270.	1.7	15
92	Acoustic build-up in on-chip stimulated Brillouin scattering. Scientific Reports, 2015, 5, 13656.	1.6	15
93	Power limits and a figure of merit for stimulated Brillouin scattering in the presence of third and fifth order loss. Optics Express, 2015, 23, 26628.	1.7	15
94	Elastic Purcell Effect. Physical Review Letters, 2018, 121, 064301.	2.9	15
95	VCSEL design using the bidirectional beam-propagation method. IEEE Journal of Quantum Electronics, 2001, 37, 1435-1440.	1.0	14
96	Experimental and Finite-Difference Time-Domain Technique Characterization of Transverse In-Line Photonic Crystal Fiber. IEEE Photonics Technology Letters, 2004, 16, 1852-1854.	1.3	14
97	Properties of sub-diffraction limited focusing by optical phase conjugation. Optics Express, 2010, 18, 1487.	1.7	13
98	Photonic Crystal Waveguide Sources of Photons for Quantum Communication Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 205-214.	1.9	13
99	Stimulated Brillouin scattering in integrated ring resonators. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 937.	0.9	13
100	Influence of pumping on the relative phase of twin-trap Bose-Einstein condensates. Physical Review A, 1997, 56, 3832-3839.	1.0	12
101	Parasitic Photon-Pair Suppression via Photonic Stop-Band Engineering. Physical Review Letters, 2017, 118, 073603.	2.9	12
102	Hyperbolic metamaterial resonator "antenna" scheme for large, broadband emission enhancement and single-photon collection. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2153.	0.9	12
103	Gap solitary waves with gain and two-photon absorption. Physical Review A, 1993, 48, 1625-1632.	1.0	11
104	Folded bands in metamaterial photonic crystals. New Journal of Physics, 2011, 13, 053007.	1.2	11
105	A parametric study of laser induced-effects in terbium-doped borosilicate glasses: prospects for compact magneto-optic devices. Optical Materials Express, 2013, 3, 2096.	1.6	11
106	Competition of Faraday rotation and birefringence in femtosecond laser direct written waveguides in magneto-optical glass. Optics Express, 2014, 22, 28037.	1.7	11
107	Effects of the hosting nano-environment modifications on NV centres fluorescence emission. Diamond and Related Materials, 2014, 45, 64-69.	1.8	11
108	Lasing in ring resonators by stimulated Brillouin scattering in the presence of nonlinear loss. Optics Express, 2017, 25, 23619.	1.7	11

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109	Suspended mid-infrared waveguides for Stimulated Brillouin Scattering. <i>Optics Express</i> , 2019, 27, 4976.	1.7	11
110	Bragg-assisted parametric amplification of short optical pulses. <i>Optics Letters</i> , 1996, 21, 420.	1.7	10
111	Heisenberg treatment of pair generation in lossy coupled-cavity systems. <i>Physical Review A</i> , 2014, 90, .	1.0	10
112	Generation of heralded single photons beyond 1100nm by spontaneous four-wave mixing in a side-stressed femtosecond laser-written waveguide. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	10
113	Approximate model for optical pulse compression by cross-phase modulation in Bragg gratings. <i>Physical Review A</i> , 1994, 50, 3447-3452.	1.0	8
114	Parasitic nonlinearities in photon pair generation via integrated spontaneous four-wave mixing: Critical problem or distraction?. <i>Applied Physics Letters</i> , 2013, 102, 201106.	1.5	8
115	High-resolution measurement of spectral quantum correlations in the telecommunication band. <i>Optics Communications</i> , 2014, 327, 45-48.	1.0	8
116	The time is right for multiphoton entangled states. <i>Science</i> , 2016, 351, 1152-1153.	6.0	8
117	Acoustic diamond resonators with ultrasmall mode volumes. <i>Physical Review Research</i> , 2020, 2, .	1.3	8
118	Parametric amplification of short pulses in optical fiber Bragg gratings. <i>Physical Review E</i> , 1996, 54, 4271-4284.	0.8	7
119	Nonreciprocal photonic band structure of low-symmetry magnetic photonic crystals. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2010, 8, 125-130.	1.0	7
120	Spontaneous parametric down conversion in a doubly resonant one-dimensional photonic crystal. <i>Optics Letters</i> , 2020, 45, 1244.	1.7	7
121	Reflection symmetry and mode transversality in microstructured fibers. <i>Optics Express</i> , 2004, 12, 1497.	1.7	6
122	Packing density of conventional waveguides and photonic crystal waveguides. <i>Optics Communications</i> , 2006, 259, 142-148.	1.0	6
123	Invisibility and supervisibility: Radiation dynamics in a discrete electromagnetic cloak. <i>Physical Review B</i> , 2013, 87, .	1.1	6
124	ARRAW: anti-resonant reflecting acoustic waveguides. <i>New Journal of Physics</i> , 2020, 22, 053011.	1.2	6
125	Numerical simulation of noise in pulsed Brillouin scattering. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 2343.	0.9	6
126	Mode field distributions in solid core photonic bandgap fibers. <i>Optics Communications</i> , 2006, 263, 207-213.	1.0	5

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127	Broadband photon-counting Raman spectroscopy in short optical waveguides. Applied Physics Letters, 2012, 101, 211110.	1.5	5
128	Narrow Linewidth DFB Waveguide Laser Fabricated via Ultrafast Laser Inscription. IEEE Photonics Technology Letters, 2014, 26, 2499-2502.	1.3	5
129	Noise and pulse dynamics in backward stimulated Brillouin scattering. Optics Express, 2021, 29, 3132.	1.7	5
130	Temperature and strain discriminating sensor based on the monitoring of cladding modes of a single femtosecond inscribed grating. Proceedings of SPIE, 2009, , .	0.8	4
131	Effective mass approach for a Bose-Einstein condensate in an optical lattice. Science Bulletin, 2009, 54, 4182-4196.	1.7	4
132	Blazing evanescent grating orders: a spectral approach to beating the Rayleigh limit. Optics Letters, 2010, 35, 2846.	1.7	4
133	Discretely observable continuous-time quantum walks on Möbius strips and other exotic structures in three-dimensional integrated photonics. Physical Review A, 2012, 86, .	1.0	4
134	Two-plasmon interference. Nature Photonics, 2014, 8, 273-275.	15.6	4
135	Digital waveguide adiabatic passage part 2: experiment. Optics Express, 2017, 25, 2552.	1.7	4
136	Picosecond acoustic dynamics in stimulated Brillouin scattering. Optics Letters, 2021, 46, 2972.	1.7	4
137	Quantitative morphology of femtosecond laser-written point-by-point optical fiber Bragg gratings. Optics Letters, 2022, 47, 453.	1.7	4
138	Tapered photonic crystal fibres: properties, characterisation, and applications (Invited Paper). , 2005, , .		3
139	Photonic crystal slab hetero-structures formed by refractive index variations in chalcogenide glasses. , 2006, , .		3
140	Stacked dielectric gratings for sub-wavelength surface field synthesis. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2580.	0.9	3
141	Transformation of aqueous protein attenuated total reflectance infra-red absorbance spectroscopy to transmission. QRB Discovery, 2020, 1, .	0.6	3
142	Laboratory post-engineering of microstructured optical fibers. Progress in Optics, 2005, 48, 1-34.	0.4	2
143	Modeling light propagation in photonic crystal devices: Simplification of the Bloch mode scattering matrix method. Journal of Applied Physics, 2007, 102, 053103.	1.1	2
144	Theoretical modeling and experiments on a DBR waveguide laser fabricated by the femtosecond laser direct-write technique. Optics Express, 2013, 21, 17701.	1.7	2

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145	Effective photons in weakly absorptive dielectric media and the Beer-Lambert-Bouguer law. New Journal of Physics, 2014, 16, 043028.	1.2	2
146	Special Issue on Nonlinear Quantum Photonics. Optics Communications, 2014, 327, 1-2.	1.0	2
147	Effect of dark counts on single-photon heralding with quasi-number-resolving detection schemes. Optics Letters, 2017, 42, 4792.	1.7	2
148	Digital waveguide adiabatic passage part 1: theory. Optics Express, 2017, 25, 5466.	1.7	2
149	Room-Temperature InAs/InP Quantum-Dot Photonic Crystal Microlasers Using Cavity-Confined Slow Light. , 2007, , .		1
150	Modeling of apodized point-by-point fiber Bragg gratings. , 2011, , .		1
151	Improved CAR and noise analysis for photon-pair generation in an ultra-compact silicon slow-light photonic crystal waveguide. , 2011, , .		1
152	Plane-wave scattering by a photonic crystal slab: Multipole modal formulation and accuracy. Waves in Random and Complex Media, 2012, 22, 531-570.	1.6	1
153	Ultrafast laser inscribed 3D integrated photonics. , 2013, , .		1
154	Quantum Random Number Generation using Spontaneous Raman Scattering. , 2014, , .		1
155	Circumventing spontaneous Raman noise in a correlated photon pair source. APL Photonics, 2016, 1, 091301.	3.0	1
156	Engineering reconfigurable laser-written circuits for practical quantum metrology. Proceedings of SPIE, 2016, , .	0.8	1
157	Pulsed Interactions in Nonlinear Fiber Bragg Gratings. Springer Series in Photonics, 2003, , 221-252.	0.8	1
158	Design of high-Q Cavities in Photosensitive Material-based Photonic Crystal Slab Heterostructures. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2007, 3, 233-235.	0.4	1
159	High Resolution Bi-Photon Spectral Correlation Measurements from a Silicon Nanowire in the Quantum and Classical Regimes. , 2015, , .		1
160	Simulation tools for calculating loss in microstructured optical fibers. , 2003, , .		0
161	Nonlinear photonic crystals in chalcogenide films. , 2005, 6038, 127.		0
162	Design, Fabrication and Characterisation of Chalcogenide-Based Photonic Crystal Slabs. , 2006, , .		0

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163	Characterization and modeling of Fano resonances in chalcogenide glass photonic crystal membranes. , 2006, , .		0
164	Slow-Light Trapping in a Photonic Crystal Slab. , 2007, , .		0
165	Efficient Modeling of 2D Multi-Segment Photonic Crystal Devices. , 2007, , .		0
166	Design of high-Q photonic crystal cavities designed by air-holes infiltration. , 2007, , .		0
167	Slow-light trapping in a photonic crystal slab. , 2007, , .		0
168	High-Q Cavities in Photonic Crystal Slab Heterostructures Formed by Variation in the Refractive Index. , 2007, , .		0
169	Modelling time reversal experiments in the optical domain. , 2008, , .		0
170	High-Q cavities in multilayer photonic crystal slabs. , 2008, , .		0
171	Photonic Crystal Cavities for Sensing: Dielectric Modes versus Air Modes. , 2009, , .		0
172	Apodized point-by-point fiber-Bragg gratings. , 2011, , .		0
173	Fast simulation of slab photonic crystal structures using modal methods. , 2011, , .		0
174	Radiation dynamics in a discrete electromagnetic invisibility cloak. , 2011, , .		0
175	Radiation dynamics in a magneto-dielectric metamaterial cylinder. , 2011, , .		0
176	Recent developments in dual-wavelength DFB waveguide lasers fabricated by femtosecond laser pulses. , 2011, , .		0
177	Laser written waveguides in magneto-optical glass. , 2011, , .		0
178	Polarization dependent coupling in waveguide arrays. , 2011, , .		0
179	Characterization of the influence of crystal size and dipole orientation on the spontaneous emission lifetime of diamond NV colour centers. , 2011, , .		0
180	Ultra-low Raman Noise Correlated Photon-Pair Generation in a Dispersion Engineered As ₂ S ₃ Waveguide. , 2012, , .		0

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181	Canonical quantization of macroscopic electrodynamics in a linear magneto-electric medium. , 2012, , .		0
182	Slow-light enhanced nonlinearities in photonic crystals and their application to optical signal processing and quantum integrated optics. , 2012, , .		0
183	Spatial multiplexing of monolithic Silicon heralded single photon sources. , 2013, , .		0
184	NV center emission in a substrate free low index environment. , 2013, , .		0
185	Fabrication and classical characterisation of an integrated optic controlled phase gate. , 2013, , .		0
186	Ultrafast laser inscribed integrated photonics: material science to device development. MATEC Web of Conferences, 2013, 8, 06004.	0.1	0
187	Control of non-classical interference in a 3D multipath interferometer on a chip. , 2014, , .		0
188	Hybrid integration for spatially multiplexed single-photon generation. Proceedings of SPIE, 2014, , .	0.8	0
189	Femtosecond laser processing in magneto-optical glasses. Proceedings of SPIE, 2014, , .	0.8	0
190	Nonlinear Optics for Photonic Quantum Networks. Springer Series in Optical Sciences, 2015, , 355-421.	0.5	0
191	Laser written multiport quantum circuits. Proceedings of SPIE, 2015, , .	0.8	0
192	Microphotonic crystal fibres. , 2004, , .		0
193	Efficient Modeling of 2D Multi-Segment Photonic Crystal Devices. , 2007, , .		0
194	Emission control of NV centers embedded in an opal photonic crystal. , 2009, , .		0
195	Correlated Photon-Pair Generation in an Ultra-Compact Silicon Photonic Crystal Waveguide. , 2011, , .		0
196	Correlated Photon-Pair Generation in an Ultra-Compact Silicon Photonic Crystal Waveguide. , 2011, , .		0
197	Correlated Photon-Pair Generation in an Ultra-Compact Silicon Photonic Crystal Waveguide. , 2011, , .		0
198	Apodized Point-by-Point Fiber Bragg Gratings In An All-Optical, Actively Q-switched All-Fibre Laser. , 2012, , .		0

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199	Integrated Spatial Multiplexing of Photonic Crystal Waveguide Heralded Single-Photon Sources. , 2013, , .		0
200	High Resolution Spectral Entanglement Measurements of Photons Generated via Spontaneous Four-Wave Mixing. , 2013, , .		0
201	Don't worry, be happy: A look at undesirable nonlinear effects in integrated photon pair sources based on spontaneous four-wave mixing. , 2013, , .		0
202	Bi-directional Multiplexing of Heralded Single Photon Sources from a Single Silicon Photonic Chip. , 2014, , .		0
203	Boundaries of practicability for integrated Stimulated Brillouin scattering devices. , 2016, , .		0
204	Configurable heralded two-photon states on a chip. , 2016, , .		0
205	ARRAW: Anti-Resonant Reflecting Acoustic Waveguide for efficient Brillouin scattering. , 2020, , .		0
206	Theory of Noise Dynamics in Backwards Stimulated Brillouin Scattering. , 2020, , .		0
207	Femtosecond laser written point-by-point Bragg gratings in few-mode optical fibre. , 2020, , .		0
208	Noise in Brillouin Based Information Storage. Optics Express, 2021, 29, 39486-39497.	1.7	0
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