

# 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  
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211  
all docs

211  
docs citations

211  
times ranked

4784  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative morphology of femtosecond laser-written point-by-point optical fiber Bragg gratings. Optics Letters, 2022, 47, 453.	1.7	4
2	Historical perspective and basic principles. Semiconductors and Semimetals, 2022, , 1-25.	0.4	0
3	Theoretical formalisms for stimulated Brillouin scattering. Semiconductors and Semimetals, 2022, , 27-91.	0.4	0
4	Picosecond acoustic dynamics in stimulated Brillouin scattering. Optics Letters, 2021, 46, 2972.	1.7	4
5	Numerical simulation of noise in pulsed Brillouin scattering. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2343.	0.9	6
6	Noise and pulse dynamics in backward stimulated Brillouin scattering. Optics Express, 2021, 29, 3132.	1.7	5
7	Noise in Brillouin Based Information Storage. Optics Express, 2021, 29, 39486-39497.	1.7	0
8	ARRAW: anti-resonant reflecting acoustic waveguides. New Journal of Physics, 2020, 22, 053011.	1.2	6
9	Acoustic diamond resonators with ultrasmall mode volumes. Physical Review Research, 2020, 2, .	1.3	8
10	ARRAW: Anti-Resonant Reflecting Acoustic Waveguide for efficient Brillouin scattering. , 2020, , .		0
11	Theory of Noise Dynamics in Backwards Stimulated Brillouin Scattering. , 2020, , .		0
12	Transformation of aqueous protein attenuated total reflectance infra-red absorbance spectroscopy to transmission. QRB Discovery, 2020, 1, .	0.6	3
13	Femtosecond laser written point-by-point Bragg gratings in few-mode optical fibre. , 2020, , .		0
14	Spontaneous parametric down conversion in a doubly resonant one-dimensional photonic crystal. Optics Letters, 2020, 45, 1244.	1.7	7
15	Brillouin integrated photonics. Nature Photonics, 2019, 13, 664-677.	15.6	244
16	Finite Element Analysis of Stimulated Brillouin Scattering in Integrated Photonic Waveguides. Journal of Lightwave Technology, 2019, 37, 3791-3804.	2.7	20
17	Suspended mid-infrared waveguides for Stimulated Brillouin Scattering. Optics Express, 2019, 27, 4976.	1.7	11
18	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

#	ARTICLE	IF	CITATIONS
19	Elastic Purcell Effect. Physical Review Letters, 2018, 121, 064301.	2.9	15
20	Cascaded forward Brillouin scattering to all Stokes orders. New Journal of Physics, 2017, 19, 023021.	1.2	33
21	Parasitic Photon-Pair Suppression via Photonic Stop-Band Engineering. Physical Review Letters, 2017, 118, 073603.	2.9	12
22	Stimulated Brillouin scattering in integrated ring resonators. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 937.	0.9	13
23	Effect of dark counts on single-photon heralding with quasi-number-resolving detection schemes. Optics Letters, 2017, 42, 4792.	1.7	2
24	Digital waveguide adiabatic passage part 2: experiment. Optics Express, 2017, 25, 2552.	1.7	4
25	Digital waveguide adiabatic passage part 1: theory. Optics Express, 2017, 25, 5466.	1.7	2
26	Design and fabrication of reconfigurable laser-written waveguide circuits. Optics Express, 2017, 25, 33056.	1.7	16
27	Lasing in ring resonators by stimulated Brillouin scattering in the presence of nonlinear loss. Optics Express, 2017, 25, 23619.	1.7	11
28	Circumventing spontaneous Raman noise in a correlated photon pair source. APL Photonics, 2016, 1, 091301.	3.0	1
29	Domain engineering algorithm for practical and effective photon sources. Optics Express, 2016, 24, 19616.	1.7	33
30	Brillouin resonance broadening due to structural variations in nanoscale waveguides. New Journal of Physics, 2016, 18, 025006.	1.2	33
31	A Hamiltonian treatment of stimulated Brillouin scattering in nanoscale integrated waveguides. New Journal of Physics, 2016, 18, 045004.	1.2	41
32	Active temporal multiplexing of indistinguishable heralded single photons. Nature Communications, 2016, 7, 10853.	5.8	101
33	Stimulated Brillouin scattering in silicon/chalcogenide slot waveguides. Optics Express, 2016, 24, 4786.	1.7	33
34	Engineering integrated photonics for heralded quantum gates. Scientific Reports, 2016, 6, 25126.	1.6	20
35	On-chip generation of heralded photon-number states. Scientific Reports, 2016, 6, 35975.	1.6	28
36	Engineering reconfigurable laser-written circuits for practical quantum metrology. Proceedings of SPIE, 2016, , .	0.8	1

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37	The time is right for multiphoton entangled states. <i>Science</i> , 2016, 351, 1152-1153.	6.0	8
38	Boundaries of practicability for integrated Stimulated Brillouin scattering devices. , 2016, , .		0
39	Configurable heralded two-photon states on a chip. , 2016, , .		0
40	Laser written circuits for quantum photonics. <i>Laser and Photonics Reviews</i> , 2015, 9, 363-384.	4.4	176
41	Stimulated Brillouin scattering in integrated photonic waveguides: Forces, scattering mechanisms, and coupled-mode analysis. <i>Physical Review A</i> , 2015, 92, .	1.0	115
42	Multiplexed single-photon-state preparation using a fiber-loop architecture. <i>Physical Review A</i> , 2015, 92, .	1.0	22
43	Measurement and Shaping of Biphoton Spectral Wave Functions. <i>Physical Review Letters</i> , 2015, 115, 193602.	2.9	24
44	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
45	Random number generation from spontaneous Raman scattering. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	22
46	Acoustic build-up in on-chip stimulated Brillouin scattering. <i>Scientific Reports</i> , 2015, 5, 13656.	1.6	15
47	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
48	Power limits and a figure of merit for stimulated Brillouin scattering in the presence of third and fifth order loss. <i>Optics Express</i> , 2015, 23, 26628.	1.7	15
49	Nonlinear Optics for Photonic Quantum Networks. <i>Springer Series in Optical Sciences</i> , 2015, , 355-421.	0.5	0
50	Spontaneous parametric downconversion in waveguides: what's loss got to do with it?. <i>New Journal of Physics</i> , 2015, 17, 013055.	1.2	23
51	Tunable quantum interference in a 3D integrated circuit. <i>Scientific Reports</i> , 2015, 5, 9601.	1.6	70
52	Effect of scattering loss on connections between classical and quantum processes in second-order nonlinear waveguides. <i>Optics Letters</i> , 2015, 40, 1460.	1.7	20
53	Laser written multiport quantum circuits. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
54	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

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55	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
56	High Resolution Bi-Photon Spectral Correlation Measurements from a Silicon Nanowire in the Quantum and Classical Regimes. , 2015, , .		1
57	Narrow Linewidth DFB Waveguide Laser Fabricated via Ultrafast Laser Inscription. IEEE Photonics Technology Letters, 2014, 26, 2499-2502.	1.3	5
58	Effective photons in weakly absorptive dielectric media and the Beerâ€“Lambertâ€“Bouguer law. New Journal of Physics, 2014, 16, 043028.	1.2	2
59	Control of non-classical interference in a 3D multipath interferometer on a chip. , 2014, , .		0
60	Hybrid integration for spatially multiplexed single-photon generation. Proceedings of SPIE, 2014, , .	0.8	0
61	Femtosecond laser processing in magneto-optical glasses. Proceedings of SPIE, 2014, , .	0.8	0
62	Competition of Faraday rotation and birefringence in femtosecond laser direct written waveguides in magneto-optical glass. Optics Express, 2014, 22, 28037.	1.7	11
63	Formal selection rules for Brillouin scattering in integrated waveguides and structured fibers. Optics Express, 2014, 22, 32489.	1.7	28
64	Heisenberg treatment of pair generation in lossy coupled-cavity systems. Physical Review A, 2014, 90, .	1.0	10
65	Mode conversion using stimulated Brillouin scattering in nanophotonic silicon waveguides. Optics Express, 2014, 22, 29270.	1.7	15
66	High-resolution measurement of spectral quantum correlations in the telecommunication band. Optics Communications, 2014, 327, 45-48.	1.0	8
67	Two-plasmon interference. Nature Photonics, 2014, 8, 273-275.	15.6	4
68	Towards low-loss lightwave circuits for non-classical optics at 800 and 1,550 nm. Applied Physics A: Materials Science and Processing, 2014, 114, 113-118.	1.1	47
69	Hybrid photonic circuit for multiplexed heralded single photons. Laser and Photonics Reviews, 2014, 8, L42.	4.4	83
70	Effects of the hosting nano-environment modifications on NV centres fluorescence emission. Diamond and Related Materials, 2014, 45, 64-69.	1.8	11
71	Special Issue on Nonlinear Quantum Photonics. Optics Communications, 2014, 327, 1-2.	1.0	2
72	Quantum Random Number Generation using Spontaneous Raman Scattering. , 2014, , .		1

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73	Bi-directional Multiplexing of Heralded Single Photon Sources from a Single Silicon Photonic Chip. , 2014, , .		0
74	Integrated spatial multiplexing of heralded single-photon sources. Nature Communications, 2013, 4, 2582.	5.8	228
75	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
76	Tracking emission rate dynamics of nitrogen vacancy centers in nanodiamonds. Applied Physics Letters, 2013, 102, .	1.5	19
77	Canonical quantization of macroscopic electrodynamics in a linear, inhomogeneous magnetoelectric medium. Physical Review A, 2013, 87, .	1.0	19
78	Emission and Nonradiative Decay of Nanodiamond NV Centers in a Low Refractive Index Environment. ACS Nano, 2013, 7, 3833-3843.	7.3	66
79	Parasitic nonlinearities in photon pair generation via integrated spontaneous four-wave mixing: Critical problem or distraction?. Applied Physics Letters, 2013, 102, 201106.	1.5	8
80	Spatial multiplexing of monolithic Silicon heralded single photon sources. , 2013, , .		0
81	NV center emission in a substrate free low index environment. , 2013, , .		0
82	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
83	Detuning in apodized point-by-point fiber Bragg gratings: insights into the grating morphology. Optics Express, 2013, 21, 26854.	1.7	31
84	Bidirectional multiplexing of heralded single photons from a silicon chip. Optics Letters, 2013, 38, 5176.	1.7	25
85	Ultrafast laser inscribed 3D integrated photonics. , 2013, , .		1
86	Invisibility and supervisibility: Radiation dynamics in a discrete electromagnetic cloak. Physical Review B, 2013, 87, .	1.1	6
87	Fabrication and classical characterisation of an integrated optic controlled phase gate. , 2013, , .		0
88	Ultrafast laser inscribed integrated photonics: material science to device development. MATEC Web of Conferences, 2013, 8, 06004.	0.1	0
89	Integrated Spatial Multiplexing of Photonic Crystal Waveguide Heralded Single-Photon Sources. , 2013, , .		0
90	High Resolution Spectral Entanglement Measurements of Photons Generated via Spontaneous Four-Wave Mixing. , 2013, , .		0

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91	Don't worry, be happy: A look at undesirable nonlinear effects in integrated photon pair sources based on spontaneous four-wave mixing. , 2013, , .		0
92	Low Raman-noise correlated photon-pair generation in a dispersion-engineered chalcogenide As <sub>2</sub> S <sub>3</sub> planar waveguide. Optics Letters, 2012, 37, 3393.	1.7	46
93	Ultra-low Raman Noise Correlated Photon-Pair Generation in a Dispersion Engineered As <sub>2</sub> S <sub>3</sub> Waveguide. , 2012, , .		0
94	Canonical quantization of macroscopic electrodynamics in a linear magneto-electric medium. , 2012, , .		0
95	Near-zero anomalous dispersion Ge <sub>115</sub> As <sub>24</sub> Se <sub>645</sub> glass nanowires for correlated photon pair generation: design and analysis. Optics Express, 2012, 20, 776.	1.7	21
96	Design for broadband on-chip isolator using stimulated Brillouin scattering in dispersion-engineered chalcogenide waveguides. Optics Express, 2012, 20, 21235.	1.7	116
97	Non-classical interference in integrated 3D multiports. Optics Express, 2012, 20, 26895.	1.7	44
98	Cladding mode coupling in highly localized fiber Bragg gratings II: complete vectorial analysis. Optics Express, 2012, 20, 21434.	1.7	54
99	Optimizing the net reflectivity of point-by-point fiber Bragg gratings: the role of scattering loss. Optics Express, 2012, 20, 13451.	1.7	38
100	Broadband photon-counting Raman spectroscopy in short optical waveguides. Applied Physics Letters, 2012, 101, 211110.	1.5	5
101	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
102	Slow-light enhanced nonlinearities in photonic crystals and their application to optical signal processing and quantum integrated optics. , 2012, , .		0
103	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
104	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
105	Apodized Point-by-Point Fiber Bragg Gratings In An All-Optical, Actively Q-switched All-Fibre Laser. , 2012, , .		0
106	Modeling of apodized point-by-point fiber Bragg gratings. , 2011, , .		1
107	Improved CAR and noise analysis for photon-pair generation in an ultra-compact silicon slow-light photonic crystal waveguide. , 2011, , .		1
108	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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109	Folded bands in metamaterial photonic crystals. <i>New Journal of Physics</i> , 2011, 13, 053007.	1.2	11
110	Cladding mode coupling in highly localized fiber Bragg gratings: modal properties and transmission spectra. <i>Optics Express</i> , 2011, 19, 325.	1.7	161
111	Point-by-point inscription of apodized fiber Bragg gratings. <i>Optics Letters</i> , 2011, 36, 2988.	1.7	66
112	Slow-light enhanced correlated photon pair generation in a silicon photonic crystal waveguide. <i>Optics Letters</i> , 2011, 36, 3413.	1.7	130
113	Apodized point-by-point fiber-Bragg gratings. , 2011, , .		0
114	Fast simulation of slab photonic crystal structures using modal methods. , 2011, , .		0
115	Generation of correlated photon pairs in a chalcogenide As <sub>2</sub> S <sub>3</sub> waveguide. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	62
116	Radiation dynamics in a discrete electromagnetic invisibility cloak. , 2011, , .		0
117	Radiation dynamics in a magneto-dielectric metamaterial cylinder. , 2011, , .		0
118	Recent developments in dual-wavelength DFB waveguide lasers fabricated by femtosecond laser pulses. , 2011, , .		0
119	Laser written waveguides in magneto-optical glass. , 2011, , .		0
120	Polarization dependent coupling in waveguide arrays. , 2011, , .		0
121	Characterization of the influence of crystal size and dipole orientation on the spontaneous emission lifetime of diamond NV colour centers. , 2011, , .		0
122	Correlated Photon-Pair Generation in an Ultra-Compact Silicon Photonic Crystal Waveguide. , 2011, , .		0
123	Correlated Photon-Pair Generation in an Ultra-Compact Silicon Photonic Crystal Waveguide. , 2011, , .		0
124	Correlated Photon-Pair Generation in an Ultra-Compact Silicon Photonic Crystal Waveguide. , 2011, , .		0
125	Bragg scattering induces Fano resonance in photonic crystals. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2010, 8, 86-93.	1.0	35
126	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



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127	Group velocity in lossy periodic structured media. Physical Review A, 2010, 82, .	1.0	29
128	Quantum-correlated photon pair generation in chalcogenide As <sub>2</sub> S <sub>3</sub> waveguides. Optics Express, 2010, 18, 16206.	1.7	43
129	Point-by-point written fiber-Bragg gratings and their application in complex grating designs. Optics Express, 2010, 18, 19844.	1.7	186
130	Blazing evanescent grating orders: a spectral approach to beating the Rayleigh limit. Optics Letters, 2010, 35, 2846.	1.7	4
131	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
132	Properties of sub-diffraction limited focusing by optical phase conjugation. Optics Express, 2010, 18, 1487.	1.7	13
133	Photonic Crystal Cavities for Sensing: Dielectric Modes versus Air Modes. , 2009, , .		0
134	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
135	Effective mass approach for a Bose-Einstein condensate in an optical lattice. Science Bulletin, 2009, 54, 4182-4196.	1.7	4
136	Low-symmetry magnetic photonic crystals for nonreciprocal and unidirectional devices. Optics Express, 2009, 17, 5265.	1.7	94
137	Room temperature low-threshold InAs/InP quantum dot single mode photonic crystal microlasers at 15 $\mu$ m using cavity-confined slow light. Optics Express, 2009, 17, 5439.	1.7	20
138	Polarization-dependent effects in point-by-point fiber Bragg gratings enable simple, linearly polarized fiber lasers. Optics Express, 2009, 17, 6082.	1.7	81
139	Comparison of the sensitivity of air and dielectric modes in photonic crystal slab sensors. Optics Express, 2009, 17, 14552.	1.7	15
140	Single Photon Emission from Diamond nanocrystals in an Opal Photonic Crystal. Optics Express, 2009, 17, 18044.	1.7	19
141	Fano Resonance between Mie and Bragg Scattering in Photonic Crystals. Physical Review Letters, 2009, 103, 023901.	2.9	187
142	Emission control of NV centers embedded in an opal photonic crystal. , 2009, , .		0
143	Chalcogenide glass photonic crystals. Photonics and Nanostructures - Fundamentals and Applications, 2008, 6, 3-11.	1.0	48
144	Modelling time reversal experiments in the optical domain. , 2008, , .		0

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145	High-Q cavities in multilayer photonic crystal slabs. , 2008, , .		0
146	Slow-Light Trapping in a Photonic Crystal Slab. , 2007, , .		0
147	Efficient Modeling of 2D Multi-Segment Photonic Crystal Devices. , 2007, , .		0
148	Design of high-Q photonic crystal cavities designed by air-holes infiltration. , 2007, , .		0
149	Room-Temperature InAs/InP Quantum-Dot Photonic Crystal Microlasers Using Cavity-Confined Slow Light. , 2007, , .		1
150	Slow-light trapping in a photonic crystal slab. , 2007, , .		0
151	High-Q Cavities in Photonic Crystal Slab Heterostructures Formed by Variation in the Refractive Index. , 2007, , .		0
152	High-Q cavities in photosensitive photonic crystals. Optics Letters, 2007, 32, 542.	1.7	73
153	Confinement of band-edge modes in a photonic crystal slab. Optics Express, 2007, 15, 10890.	1.7	41
154	High-Q cavities in multilayer photonic crystal slabs. Optics Express, 2007, 15, 17248.	1.7	36
155	Slow light with flat or offset band edges in few-mode fiber with two gratings. Optics Express, 2007, 15, 17954.	1.7	28
156	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
157	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
158	Efficient Modeling of 2D Multi-Segment Photonic Crystal Devices. , 2007, , .		0
159	Photonic crystal slab hetero-structures formed by refractive index variations in chalcogenide glasses. , 2006, , .		3
160	Confinement loss in adiabatic photonic crystal fiber tapers. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1965.	0.9	28
161	Characterization and modeling of Fano resonances in chalcogenide photonic crystal membranes. Optics Express, 2006, 14, 369.	1.7	61
162	Diamond based photonic crystal microcavities. Optics Express, 2006, 14, 3556.	1.7	102

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163	Single scatterer Fano resonances in solid core photonic band gap fibers. Optics Express, 2006, 14, 8797.	1.7	35
164	Design of high-Q cavities in photonic crystal slab heterostructures by air-holes infiltration. Optics Express, 2006, 14, 12451.	1.7	70
165	Design, Fabrication and Characterisation of Chalcogenide-Based Photonic Crystal Slabs. , 2006, , .		0
166	Mode field distributions in solid core photonic bandgap fibers. Optics Communications, 2006, 263, 207-213.	1.0	5
167	Packing density of conventional waveguides and photonic crystal waveguides. Optics Communications, 2006, 259, 142-148.	1.0	6
168	Spontaneous emission and photon dynamics in dielectric microcavities. Physical Review A, 2006, 74, .	1.0	15
169	Spontaneous Emission Suppression via Quantum Path Interference in Coupled Microcavities. Physical Review Letters, 2006, 96, 103902.	2.9	17
170	Characterization and modeling of Fano resonances in chalcogenide glass photonic crystal membranes. , 2006, , .		0
171	Nonlinear photonic crystals in chalcogenide films. , 2005, 6038, 127.		0
172	Tapered photonic crystal fibres: properties, characterisation and applications. Applied Physics B: Lasers and Optics, 2005, 81, 377-387.	1.1	78
173	Continuously tunable bandpass filtering using high-index inclusion microstructured optical fibre. Electronics Letters, 2005, 41, 463.	0.5	26
174	Analytic properties of photonic crystal superprism parameters. Physical Review E, 2005, 71, 056608.	0.8	26
175	Laboratory post-engineering of microstructured optical fibers. Progress in Optics, 2005, 48, 1-34.	0.4	2
176	Transverse characterization of high air-fill fraction tapered photonic crystal fiber. Applied Optics, 2005, 44, 3885.	2.1	31
177	Leakage of the fundamental mode in photonic crystal fiber tapers. Optics Letters, 2005, 30, 1123.	1.7	50
178	Tapered photonic crystal fibres: properties, characterisation, and applications (Invited Paper). , 2005, , .		3
179	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
180	Reflection symmetry and mode transversality in microstructured fibers. Optics Express, 2004, 12, 1497.	1.7	6

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181	A new slant on photonic crystal fibers. Optics Express, 2004, 12, 1528.	1.7	31
182	Long wavelength anti-resonant guidance in high index inclusion microstructured fibers. Optics Express, 2004, 12, 5424.	1.7	42
183	Photonic Structures. Optics and Photonics News, 2004, 15, 34.	0.4	41
184	Microphotonic crystal fibres. , 2004, , .		0
185	Simulation tools for calculating loss in microstructured optical fibers. , 2003, , .		0
186	Pulsed Interactions in Nonlinear Fiber Bragg Gratings. Springer Series in Photonics, 2003, , 221-252.	0.8	1
187	Elliptical-hole photonic crystal fibers. Optics Letters, 2001, 26, 229.	1.7	258
188	Symmetry and degeneracy in microstructured optical fibers. Optics Letters, 2001, 26, 488.	1.7	249
189	Confinement losses in microstructured optical fibers. Optics Letters, 2001, 26, 1660.	1.7	271
190	Polarization and dispersive properties of elliptical-hole photonic crystal fibers. Journal of Lightwave Technology, 2001, 19, 495-503.	2.7	177
191	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
192	A study of high-index-contrast 90 degree waveguide bend structures. Optics Express, 2001, 8, 517.	1.7	97
193	VCSEL design using the bidirectional beam-propagation method. IEEE Journal of Quantum Electronics, 2001, 37, 1435-1440.	1.0	14
194	Complex propagators for evanescent waves in bidirectional beam propagation method. Journal of Lightwave Technology, 2000, 18, 1155-1160.	2.7	45
195	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
196	Photonic bandgaps with defects and the enhancement of Faraday rotation. Journal of Lightwave Technology, 2000, 18, 1297-1308.	2.7	134
197	Realization of a compact and single-mode optical passive polarization converter. IEEE Photonics Technology Letters, 2000, 12, 317-319.	1.3	104
198	High transmission enhanced Faraday rotation in one-dimensional photonic crystals with defects. IEEE Photonics Technology Letters, 2000, 12, 1171-1173.	1.3	151

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199	Dynamical quantum noise in trapped Bose-Einstein condensates. <i>Physical Review A</i> , 1998, 58, 4824-4835.	1.0	359
200	Quantum state of two trapped Bose-Einstein condensates with a Josephson coupling. <i>Physical Review A</i> , 1998, 57, 2920-2930.	1.0	155
201	Influence of pumping on the relative phase of twin-trap Bose-Einstein condensates. <i>Physical Review A</i> , 1997, 56, 3832-3839.	1.0	12
202	Second-harmonic generation in second-harmonic fiber Bragg gratings. <i>Applied Optics</i> , 1996, 35, 3211.	2.1	33
203	Bragg-assisted parametric amplification of short optical pulses. <i>Optics Letters</i> , 1996, 21, 420.	1.7	10
204	Nonlinear Optics in Fiber Gratings. <i>Optical Fiber Technology</i> , 1996, 2, 253-268.	1.4	41
205	Parametric amplification of short pulses in optical fiber Bragg gratings. <i>Physical Review E</i> , 1996, 54, 4271-4284.	0.8	7
206	Simple model for pulse formation in lasers with a frequency-shifting element and nonlinearity. <i>Optics Communications</i> , 1995, 117, 469-474.	1.0	25
207	Continuous-wave parametric amplification in Bragg gratings. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995, 12, 2445.	0.9	15
208	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
209	Schrödinger equation description for cross-phase modulation in grating structures. <i>Physical Review A</i> , 1994, 49, 5048-5055.	1.0	22
210	Gap solitary waves with gain and two-photon absorption. <i>Physical Review A</i> , 1993, 48, 1625-1632.	1.0	11