

Philip Russell

List of Publications by Year in descending order

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755
papers

49,753
citations

2215

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2078

204
g-index

762
all docs

762
docs citations

762
times ranked

13582
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic Crystal Fibers. Science, 2003, 299, 358-362.	12.6	3,404
2	Endlessly single-mode photonic crystal fiber. Optics Letters, 1997, 22, 961.	3.3	2,764
3	All-silica single-mode optical fiber with photonic crystal cladding. Optics Letters, 1996, 21, 1547.	3.3	2,757
4	Single-Mode Photonic Band Gap Guidance of Light in Air. Science, 1999, 285, 1537-1539.	12.6	1,735
5	Photonic-Crystal Fibers. Journal of Lightwave Technology, 2006, 24, 4729-4749.	4.6	1,478
6	Photonic Band Gap Guidance in Optical Fibers. , 1998, 282, 1476-1478.		1,097
7	Optical Frequency Synthesizer for Precision Spectroscopy. Physical Review Letters, 2000, 85, 2264-2267.	7.8	1,065
8	Stimulated Raman Scattering in Hydrogen-Filled Hollow-Core Photonic Crystal Fiber. Science, 2002, 298, 399-402.	12.6	926
9	Highly birefringent photonic crystal fibers. Optics Letters, 2000, 25, 1325.	3.3	860
10	Supercontinuum generation in tapered fibers. Optics Letters, 2000, 25, 1415.	3.3	858
11	Ultimate low loss of hollow-core photonic crystal fibres. Optics Express, 2005, 13, 236.	3.4	748
12	Anomalous dispersion in photonic crystal fiber. IEEE Photonics Technology Letters, 2000, 12, 807-809.	2.5	596
13	Submicrometer axial resolution optical coherence tomography. Optics Letters, 2002, 27, 1800.	3.3	481
14	Compact, stable and efficient all-fibre gas cells using hollow-core photonic crystal fibres. Nature, 2005, 434, 488-491.	27.8	479
15	Experimental Evidence for Supercontinuum Generation by Fission of Higher-Order Solitons in Photonic Fibers. Physical Review Letters, 2002, 88, 173901.	7.8	465
16	Soliton Self-Frequency Shift Cancellation in Photonic Crystal Fibers. Science, 2003, 301, 1705-1708.	12.6	459
17	Large mode area photonic crystal fibre. Electronics Letters, 1998, 34, 1347.	1.0	443
18	Supercontinuum generation in submicron fibre waveguides. Optics Express, 2004, 12, 2864.	3.4	443

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19	Hollow-core photonic crystal fibres for gas-based nonlinear optics. <i>Nature Photonics</i> , 2014, 8, 278-286.	31.4	439
20	Supercontinuum and four-wave mixing with Q-switched pulses in endlessly single-mode photonic crystal fibres. <i>Optics Express</i> , 2004, 12, 299.	3.4	430
21	Supercontinuum generation by stimulated Raman scattering and parametric four-wave mixing in photonic crystal fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 753.	2.1	421
22	Transformation and control of ultra-short pulses in dispersion-engineered photonic crystal fibres. <i>Nature</i> , 2003, 424, 511-515.	27.8	402
23	Full 2-D photonic bandgaps in silica/air structures. <i>Electronics Letters</i> , 1995, 31, 1941-1943.	1.0	377
24	Supercontinuum generation in photonic crystal fibers and optical fiber tapers: a novel light source. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 2148.	2.1	345
25	Group-velocity dispersion in photonic crystal fibers. <i>Optics Letters</i> , 1998, 23, 1662.	3.3	325
26	Vapor sensing using the optical properties of porous silicon Bragg mirrors. <i>Journal of Applied Physics</i> , 1999, 86, 1781-1784.	2.5	322
27	Ultrafast nonlinear optics in gas-filled hollow-core photonic crystal fibers [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, A11.	2.1	322
28	Reconfigurable light-driven opto-acoustic isolators in photonic crystal fibre. <i>Nature Photonics</i> , 2011, 5, 549-553.	31.4	312
29	Properties of photonic crystal fiber and the effective index model. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1998, 15, 748.	1.5	307
30	Scalar modulation instability in the normal dispersion regime by use of a photonic crystal fiber. <i>Optics Letters</i> , 2003, 28, 2225.	3.3	292
31	Dispersion compensation using single-material fibers. <i>IEEE Photonics Technology Letters</i> , 1999, 11, 674-676.	2.5	283
32	White-light supercontinuum generation with 60-ps pump pulses in a photonic crystal fiber. <i>Optics Letters</i> , 2001, 26, 1356.	3.3	283
33	All-solid photonic bandgap fiber. <i>Optics Letters</i> , 2004, 29, 2369.	3.3	280
34	Excitation of Orbital Angular Momentum Resonances in Helically Twisted Photonic Crystal Fiber. <i>Science</i> , 2012, 337, 446-449.	12.6	271
35	Stimulated Brillouin scattering from multi-GHz-guided acoustic phonons in nanostructured photonic crystal fibres. <i>Nature Physics</i> , 2006, 2, 388-392.	16.7	263
36	Photonic crystal fiber source of correlated photon pairs. <i>Optics Express</i> , 2005, 13, 534.	3.4	256

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37	Photoinduced refractive-index changes in germanosilicate fibers. <i>Optics Letters</i> , 1990, 15, 102.	3.3	252
38	Photonic crystal fibres for chemical sensing and photochemistry. <i>Chemical Society Reviews</i> , 2013, 42, 8629.	38.1	252
39	Tightly trapped acoustic phonons in photonic crystal fibres as highly nonlinear artificial Raman oscillators. <i>Nature Physics</i> , 2009, 5, 276-280.	16.7	234
40	Deep-ultraviolet to mid-infrared supercontinuum generated in solid-core ZBLAN photonic crystal fibre. <i>Nature Photonics</i> , 2015, 9, 133-139.	31.4	227
41	Broadband robustly single-mode hollow-core PCF by resonant filtering of higher-order modes. <i>Optics Letters</i> , 2016, 41, 1961.	3.3	222
42	APPLIED OPTICS: New Ways to Guide Light. <i>Science</i> , 2002, 296, 276-277.	12.6	220
43	Supercontinuum generation system for optical coherence tomography based on tapered photonic crystal fibre. <i>Optics Express</i> , 2006, 14, 1596.	3.4	217
44	Waveguiding and plasmon resonances in two-dimensional photonic lattices of gold and silver nanowires. <i>Physical Review B</i> , 2008, 77, .	3.2	207
45	Bright Spatially Coherent Wavelength-Tunable Deep-UV Laser Source Using an Ar-Filled Photonic Crystal Fiber. <i>Physical Review Letters</i> , 2011, 106, 203901.	7.8	190
46	Structural long-period gratings in photonic crystal fibers. <i>Optics Letters</i> , 2002, 27, 1013.	3.3	185
47	Polarization-dependent coupling to plasmon modes on submicron gold wire in photonic crystal fiber. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	185
48	Thermally poled glass: frozen-in electric field or oriented dipoles?. <i>Optics Communications</i> , 1994, 110, 611-614.	2.1	183
49	Enhanced visualization of choroidal vessels using ultrahigh resolution ophthalmic OCT at 1050 nm. <i>Optics Express</i> , 2003, 11, 1980.	3.4	182
50	Pressure-assisted melt-filling and optical characterization of Au nano-wires in microstructured fibers. <i>Optics Express</i> , 2011, 19, 12180.	3.4	177
51	The acousto-optic effect in single-mode fiber tapers and couplers. <i>Journal of Lightwave Technology</i> , 1996, 14, 2519-2529.	4.6	172
52	Ultrahigh Efficiency Laser Wavelength Conversion in a Gas-Filled Hollow Core Photonic Crystal Fiber by Pure Stimulated Rotational Raman Scattering in Molecular Hydrogen. <i>Physical Review Letters</i> , 2004, 93, 123903.	7.8	172
53	100% reflectivity Bragg reflectors produced in optical fibres by single excimer laser pulses. <i>Electronics Letters</i> , 1993, 29, 453.	1.0	170
54	Solitary thermal shock waves and optical damage in optical fibers: the fiber fuse. <i>Optics Letters</i> , 1988, 13, 767.	3.3	169

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55	Hollow core photonic crystal fibers for beam delivery. Optics Express, 2004, 12, 1477.	3.4	169
56	Particle levitation and guidance in hollow-core photonic crystal fiber. Optics Express, 2002, 10, 1195.	3.4	167
57	Photonic bandgap with an index step of one percent. Optics Express, 2005, 13, 309.	3.4	165
58	High average power and single-cycle pulses from a mid-IR optical parametric chirped pulse amplifier. Optica, 2017, 4, 1024.	9.3	165
59	All-optical bit storage in a fibre laser by optomechanically bound states of solitons. Nature Photonics, 2016, 10, 454-458.	31.4	163
60	Vacuum-ultraviolet to infrared supercontinuum in hydrogen-filled photonic crystal fiber. Optica, 2015, 2, 292.	9.3	158
61	Femtosecond soliton pulse delivery at 800nm wavelength in hollow-core photonic bandgap fibers. Optics Express, 2004, 12, 835.	3.4	152
62	High second-order nonlinearities in poled silicate fibers. Optics Letters, 1994, 19, 701.	3.3	148
63	Four-wave mixing of linear waves and solitons in fibers with higher-order dispersion. Optics Letters, 2004, 29, 2411.	3.3	147
64	All-silica single-mode optical fiber with photonic crystal cladding:â€ferrata. Optics Letters, 1997, 22, 484.	3.3	145
65	High energy nanosecond laser pulses delivered single-mode through hollow-core PBG fibers. Optics Express, 2004, 12, 717.	3.4	145
66	Soliton effects in photonic crystal fibres at 850 nm. Electronics Letters, 2000, 36, 53.	1.0	144
67	Femtosecond Nonlinear Fiber Optics in the Ionization Regime. Physical Review Letters, 2011, 107, 203901.	7.8	139
68	Bloch Wave Analysis of Dispersion and Pulse Propagation in Pure Distributed Feedback Structures. Journal of Modern Optics, 1991, 38, 1599-1619.	1.3	137
69	High brightness single mode source of correlated photon pairs using a photonic crystal fiber. Optics Express, 2005, 13, 7572.	3.4	137
70	Miniature all-fiber devices based on CO ₂ laser microstructuring of tapered fibers. Optics Letters, 2001, 26, 1137.	3.3	136
71	Tunable vacuum-UV to visible ultrafast pulse source based on gas-filled Kagome-PCF. Optics Express, 2013, 21, 10942.	3.4	136
72	Broadband single-photon-level memory in a hollow-core photonic crystal fibre. Nature Photonics, 2014, 8, 287-291.	31.4	135

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73	Experimental study of dual-core photonic crystal fibre. Electronics Letters, 2000, 36, 1358.	1.0	133
74	Orbital-angular-momentum-preserving helical Bloch modes in twisted photonic crystal fiber. Optica, 2014, 1, 165.	9.3	133
75	Properties of a hollow-core photonic bandgap fiber at 850 nm wavelength. Optics Express, 2003, 11, 1613.	3.4	129
76	Interaction of an Optical Soliton with a Dispersive Wave. Physical Review Letters, 2005, 95, 213902.	7.8	128
77	Splice-free interfacing of photonic crystal fibers. Optics Letters, 2005, 30, 1629.	3.3	126
78	Supercontinuum generation in chalcogenide-silica step-index fibers. Optics Express, 2011, 19, 21003.	3.4	126
79	Theory of Photoionization-Induced Blueshift of Ultrashort Solitons in Gas-Filled Hollow-Core Photonic Crystal Fibers. Physical Review Letters, 2011, 107, 203902.	7.8	124
80	Experimental measurement of group velocity dispersion in photonic crystal fibre. Electronics Letters, 1999, 35, 63.	1.0	122
81	Optical properties of photonic crystal fiber with integral micron-sized Ge wire. Optics Express, 2008, 16, 17227.	3.4	122
82	Phase-matched third harmonic generation in microstructured fibers. Optics Express, 2003, 11, 2567.	3.4	121
83	Three-dimensional holographic optical manipulation through a high-numerical-aperture soft-glass multimode fibre. Nature Photonics, 2018, 12, 33-39.	31.4	121
84	Models for guidance in kagome-structured hollow-core photonic crystal fibres. Optics Express, 2007, 15, 12680.	3.4	117
85	High second-order nonlinearities induced in lead silicate glass by electron-beam irradiation. Optics Letters, 1993, 18, 693.	3.3	116
86	Acousto-optic superlattice modulator using a fiber Bragg grating. Optics Letters, 1997, 22, 1515.	3.3	115
87	Enhanced two-photon biosensing with double-clad photonic crystal fibers. Optics Letters, 2003, 28, 1224.	3.3	115
88	Localized function method for modeling defect modes in 2-D photonic crystals. Journal of Lightwave Technology, 1999, 17, 2078-2081.	4.6	112
89	Optics of Floquet-Bloch waves in dielectric gratings. Applied Physics B, Photophysics and Laser Chemistry, 1986, 39, 231-246.	1.5	111
90	Entangling Different Degrees of Freedom by Quadrature Squeezing Cylindrically Polarized Modes. Physical Review Letters, 2011, 106, 060502.	7.8	111

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91	Simultaneous generation of spectrally distinct third harmonics in a photonic crystal fiber. Optics Letters, 2001, 26, 1158.	3.3	110
92	Flying particle sensors in hollow-core photonic crystal fibre. Nature Photonics, 2015, 9, 461-465.	31.4	109
93	Second-harmonic generation in an optical fibre by self-written $\Lambda(2)$ grating. Electronics Letters, 1987, 23, 322.	1.0	106
94	Grating-frustrated coupler: a novel channel-dropping filter in single-mode optical fiber. Optics Letters, 1994, 19, 180.	3.3	106
95	Very High Numerical Aperture Fibers. IEEE Photonics Technology Letters, 2004, 16, 843-845.	2.5	106
96	Long-range spiralling surface plasmon modes on metallic nanowires. Optics Express, 2008, 16, 13617.	3.4	106
97	Guidance properties of low-contrast photonic bandgap fibres. Optics Express, 2005, 13, 2503.	3.4	105
98	Photoinduced absorption change in germanosilicate preforms: evidence for the color-center model of photosensitivity. Applied Optics, 1995, 34, 3436.	2.1	101
99	Spectrally smooth supercontinuum from 350 nm to $3\frac{1}{4}$ μ m in sub-centimeter lengths of soft-glass photonic crystal fibers. Optics Express, 2006, 14, 4928.	3.4	101
100	Plasmon resonances on gold nanowires directly drawn in a step-index fiber. Optics Letters, 2010, 35, 2573.	3.3	101
101	Ultrafast nonlinear dynamics of surface plasmon polaritons in gold nanowires due to the intrinsic nonlinearity of metals. New Journal of Physics, 2013, 15, 013033.	2.9	99
102	Widely tunable optical parametric generation in a photonic crystal fiber. Optics Letters, 2005, 30, 762.	3.3	98
103	Helically twisted photonic crystal fibres. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150440.	3.4	98
104	Mid-infrared supercontinuum generation in As ₂ S ₃ -silica "nano-spike" step-index waveguide. Optics Express, 2013, 21, 10969.	3.4	97
105	Raman-like light scattering from acoustic phonons in photonic crystal fiber. Optics Express, 2006, 14, 4141.	3.4	96
106	Bandgap guidance in hybrid chalcogenide-silica photonic crystal fibers. Optics Letters, 2011, 36, 2432.	3.3	96
107	Yb ³⁺ -doped photonic crystal fibre laser. Electronics Letters, 2000, 36, 1452.	1.0	95
108	Pulse breaking and supercontinuum generation with 200-fs pump pulses in photonic crystal fibers. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 2567.	2.1	95

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109	Novel add/drop filters for wavelength-division-multiplexing optical fiber systems using a Bragg grating assisted mismatched coupler. IEEE Photonics Technology Letters, 1996, 8, 1656-1658.	2.5	94
110	Optical Activity in Twisted Solid-Core Photonic Crystal Fibers. Physical Review Letters, 2013, 110, 143903.	7.8	94
111	Photonic crystals as optical fibres – physics and applications. Optical Materials, 1999, 11, 143-151.	3.6	93
112	Electromagnetically-induced transparency grid in acetylene-filled hollow-core PCF. Optics Express, 2005, 13, 5694.	3.4	93
113	Measuring mechanical strain and twist using helical photonic crystal fiber. Optics Letters, 2013, 38, 5401.	3.3	93
114	Supercontinuum generation in the vacuum ultraviolet through dispersive-wave and soliton-plasma interaction in a noble-gas-filled hollow-core photonic crystal fiber. Physical Review A, 2015, 92, .	2.5	93
115	Single pulse Bragg gratings written during fibre drawing. Electronics Letters, 1993, 29, 1577.	1.0	92
116	Experimental demonstration of the frequency shift of bandgaps in photonic crystal fibers due to refractive index scaling. Optics Express, 2006, 14, 3000.	3.4	92
117	White-light frequency comb generation with a diode-pumped Cr:LISAF laser. Optics Letters, 2001, 26, 1376.	3.3	90
118	Highly increased photonic band gaps in silica/air structures. Optics Communications, 1998, 156, 240-244.	2.1	89
119	Remotely addressed optical fibre curvature sensor using multicore photonic crystal fibre. Optics Communications, 2001, 193, 97-104.	2.1	89
120	Rydberg atoms in hollow-core photonic crystal fibres. Nature Communications, 2014, 5, 4132.	12.8	89
121	Spectral shaping of supercontinuum in a cobweb photonic-crystal fiber with sub-20-fs pulses. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 2165.	2.1	88
122	Scaling laws and vector effects in bandgap-guiding fibres. Optics Express, 2004, 12, 69.	3.4	88
123	Time-spectrally-resolved ultrafast nonlinear dynamics in small-core photonic crystal fibers: Experiment and modelling. Optics Express, 2004, 12, 6498.	3.4	88
124	Realizing low loss air core photonic crystal fibers by exploiting an antiresonant core surround. Optics Express, 2005, 13, 8277.	3.4	88
125	Three-photon head-mounted microscope for imaging deep cortical layers in freely moving rats. Nature Methods, 2020, 17, 509-513.	19.0	88
126	49 mW of cw blue light generated by first-order quasi-phase-matched frequency doubling of a diode-pumped 946-nm Nd:YAG laser. Optics Letters, 1995, 20, 2375.	3.3	86

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127	Carbon dioxide laser fabrication of fused-fiber couplers and tapers. <i>Applied Optics</i> , 1999, 38, 6845.	2.1	86
128	Multimode ultrafast nonlinear optics in optical waveguides: numerical modeling and experiments in kagomÃ© photonic-crystal fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 311.	2.1	86
129	Structural rocking filters in highly birefringent photonic crystal fiber. <i>Optics Letters</i> , 2003, 28, 158.	3.3	85
130	Generation of microjoule pulses in the deep ultraviolet at megahertz repetition rates. <i>Optica</i> , 2017, 4, 1272.	9.3	84
131	Excitation of cladding modes in photonic crystal fibers by flexural acoustic waves. <i>Optics Letters</i> , 2000, 25, 1499.	3.3	83
132	Quantitative broadband chemical sensing in air-suspended solid-core fibers. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	83
133	Two-dimensional bend sensing with a single, multi-core optical fibre. <i>Smart Materials and Structures</i> , 2000, 9, 132-140.	3.5	82
134	Loss in solid-core photonic crystal fibers due to interface roughness scattering. <i>Optics Express</i> , 2005, 13, 7779.	3.4	81
135	Engineering the dispersion of tapered fibers for supercontinuum generation with a 1064 nm pump laser. <i>Optics Letters</i> , 2005, 30, 1980.	3.3	81
136	Generation of permanent optically induced second-order nonlinearities in optical fibers by poling. <i>Optics Letters</i> , 1988, 13, 592.	3.3	80
137	Glass fiber poling and applications. <i>Journal of Lightwave Technology</i> , 1997, 15, 1484-1493.	4.6	80
138	All-solid bandgap guiding in tellurite-filled silica photonic crystal fibers. <i>Optics Letters</i> , 2009, 34, 1946.	3.3	80
139	All-Optical Control of Gigahertz Acoustic Resonances by Forward Stimulated Interpolarization Scattering in a Photonic Crystal Fiber. <i>Physical Review Letters</i> , 2010, 105, 153901.	7.8	80
140	Influence of ionization on ultrafast gas-based nonlinear fiber optics. <i>Optics Express</i> , 2011, 19, 21018.	3.4	77
141	Full photonic bandgaps and spontaneous emission control in 1D multilayer dielectric structures. <i>Optics Communications</i> , 1999, 160, 66-71.	2.1	76
142	Pressure-controlled phase matching to third harmonic in Ar-filled hollow-core photonic crystal fiber. <i>Optics Letters</i> , 2010, 35, 2922.	3.3	74
143	Optofluidic refractive-index sensor in step-index fiber with parallel hollow micro-channel. <i>Optics Express</i> , 2011, 19, 8200.	3.4	74
144	Two techniques for temporal pulse compression in gas-filled hollow-core kagomÃ© photonic crystal fiber. <i>Optics Letters</i> , 2013, 38, 3592.	3.3	74

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145	Highly Noninstantaneous Solitons in Liquid-Core Photonic Crystal Fibers. <i>Physical Review Letters</i> , 2010, 105, 263902.	7.8	73
146	Complex Faraday Rotation in Microstructured Magneto-optical Fiber Waveguides. <i>Advanced Materials</i> , 2011, 23, 2681-2688.	21.0	70
147	Effect of poling conditions on second-harmonic generation in fused silica. <i>Optics Letters</i> , 1996, 21, 468.	3.3	69
148	Formation of optical supramolecular structures in a fibre laser by tailoring long-range soliton interactions. <i>Nature Communications</i> , 2019, 10, 5756.	12.8	69
149	Noiseless optical amplification in quasi-phase-matched bulk lithium niobate. <i>Optics Letters</i> , 1996, 21, 1439.	3.3	68
150	100% efficient narrow-band acoustooptic tunable reflector using fiber Bragg grating. <i>Journal of Lightwave Technology</i> , 1998, 16, 2006-2009.	4.6	68
151	Dynamic control of higher-order modes in hollow-core photonic crystal fibers. <i>Optics Express</i> , 2008, 16, 17972.	3.4	68
152	Effect of anti-crossings with cladding resonances on ultrafast nonlinear dynamics in gas-filled photonic crystal fibers. <i>Photonics Research</i> , 2018, 6, 84.	7.0	67
153	Rocking filter formation in photosensitive high birefringence optical fibres. <i>Electronics Letters</i> , 1990, 26, 1846.	1.0	66
154	Stable subpicosecond soliton fiber laser passively mode-locked by gigahertz acoustic resonance in photonic crystal fiber core. <i>Optica</i> , 2015, 2, 339.	9.3	66
155	Fibre gratings. <i>Physics World</i> , 1993, 6, 41-48.	0.0	65
156	Generation of broadband mid-IR and UV light in gas-filled single-ring hollow-core PCF. <i>Optics Express</i> , 2017, 25, 7637.	3.4	65
157	High reflectivity and narrow bandwidth fibre gratings written by single excimer pulse. <i>Electronics Letters</i> , 1993, 29, 28-29.	1.0	64
158	Bridging visible and telecom wavelengths with a single-mode broadband photon pair source. <i>Physical Review A</i> , 2010, 81, .	2.5	64
159	Compressing $\hat{1}/4$ -level pulses from 250 ps to sub-10 ps at 38-MHz repetition rate using two gas-filled hollow-core photonic crystal fiber stages. <i>Optics Letters</i> , 2015, 40, 1238.	3.3	64
160	Analytical formulation for the bend loss in single-ring hollow-core photonic crystal fibers. <i>Photonics Research</i> , 2017, 5, 88.	7.0	64
161	Photonic Bloch Waves and Photonic Band Gaps. <i>NATO ASI Series Series B: Physics</i> , 1995, , 585-633.	0.2	64
162	Nonlinear transmission and color-center dynamics in germanosilicate fibers at 420-540 nm. <i>Optics Letters</i> , 1988, 13, 1023.	3.3	62

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163	Thermally poled silica glass: Laser induced pressure pulse probe of charge distribution. Applied Physics Letters, 1996, 68, 269-271.	3.3	62
164	Twist-induced guidance in coreless photonic crystal fiber: A helical channel for light. Science Advances, 2016, 2, e1601421.	10.3	62
165	Approaching the full octave: noncollinear optical parametric chirped pulse amplification with two-color pumping. Optics Express, 2010, 18, 18752.	3.4	60
166	Optomechanical Nonlinearity in Dual-Nanoweb Structure Suspended Inside Capillary Fiber. Physical Review Letters, 2012, 109, 183904.	7.8	60
167	Experimental observation of forward stimulated Brillouin scattering in dual-mode single-core fibre. Electronics Letters, 1990, 26, 1195.	1.0	59
168	Hamiltonian optics of nonuniform photonic crystals. Journal of Lightwave Technology, 1999, 17, 1982-1988.	4.6	59
169	Near-field optical microscopy of thin photonic crystal films. Journal of Applied Physics, 1999, 85, 6337-6342.	2.5	58
170	Kagome hollow-core photonic crystal fiber probe for Raman spectroscopy. Optics Letters, 2012, 37, 4371.	3.3	58
171	Raman-Free, Noble-Gas-Filled Photonic-Crystal Fiber Source for Ultrafast, Very Bright Twin-Beam Squeezed Vacuum. Physical Review Letters, 2015, 115, 143602.	7.8	58
172	Interference of integrated Floquet-Bloch waves. Physical Review A, 1986, 33, 3232-3242.	2.5	57
173	Photonic band structure of guided bloch modes in high index films fully etched through with periodic microstructure. Journal of Modern Optics, 1996, 43, 1035-1053.	1.3	57
174	Design of low-loss and highly birefringent hollow-core photonic crystal fiber. Optics Express, 2006, 14, 7329.	3.4	57
175	Midinfrared frequency combs from coherent supercontinuum in chalcogenide and optical parametric oscillation. Optics Letters, 2014, 39, 2056.	3.3	57
176	Seven-octave high-brightness and carrier-envelope-phase-stable light source. Nature Photonics, 2021, 15, 277-280.	31.4	57
177	Erasure of thermally poled second-order nonlinearity in fused silica by electron implantation. Optics Letters, 1993, 18, 1141.	3.3	56
178	532 nm pumped optical parametric oscillator in bulk periodically poled lithium niobate. Applied Physics Letters, 1995, 67, 2126-2128.	3.3	56
179	Four-wave mixing instabilities in photonic-crystal and tapered fibers. Physical Review E, 2003, 68, 046603.	2.1	56
180	Stokes Amplification Regimes in Quasi-cw Pumped Hydrogen-Filled Hollow-Core Photonic Crystal Fiber. Physical Review Letters, 2005, 95, 213903.	7.8	56

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181	Extreme supercontinuum generation to the deep UV. <i>Optics Letters</i> , 2012, 37, 770.	3.3	56
182	Generation of a spectrally asymmetric third harmonic with unamplified 30-fs Cr:forsterite laser pulses in a tapered fiber. <i>Applied Physics B: Lasers and Optics</i> , 2003, 76, 515-519.	2.2	55
183	Four-port fiber frequency shifter with a null taper coupler. <i>Optics Letters</i> , 1994, 19, 1964.	3.3	54
184	Designing a photonic crystal fibre with flattened chromatic dispersion. <i>Electronics Letters</i> , 1999, 35, 325.	1.0	54
185	CW-pumped single-pass frequency comb generation by resonant optomechanical nonlinearity in dual-nanoweb fiber. <i>Optica</i> , 2014, 1, 158.	9.3	54
186	Bragg resonance of light in optical superlattices. <i>Physical Review Letters</i> , 1986, 56, 596-599.	7.8	53
187	Acousto-optic superlattice modulation in fiber Bragg gratings. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 1421.	1.5	52
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