

# David J. Richardson

## List of Publications by Citations

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903  
papers

25,591  
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78  
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131  
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1,269  
ext. papers

32,205  
ext. citations

3.4  
avg, IF

7.03  
L-index

#	Paper	IF	Citations
903	Space-division multiplexing in optical fibres. <i>Nature Photonics</i> , <b>2013</b> , 7, 354-362	33.9	1688
902	High power fiber lasers: current status and future perspectives [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, B63	1.7	1224
901	All-optical phase and amplitude regenerator for next-generation telecommunications systems. <i>Nature Photonics</i> , <b>2010</b> , 4, 690-695	33.9	412
900	Hexagonally poled lithium niobate: A two-dimensional nonlinear photonic crystal. <i>Physical Review Letters</i> , <b>2000</b> , 84, 4345-8	7.4	356
899	Selfstarting passively mode-locked fibre ring soliton laser exploiting nonlinear polarisation rotation. <i>Electronics Letters</i> , <b>1992</b> , 28, 1391	1.1	339
898	Ultra-low-loss optical fiber nanotapers. <i>Optics Express</i> , <b>2004</b> , 12, 2258-63	3.3	325
897	Functional, biochemical and genetic diversity of prokaryotic nitrate reductases. <i>Cellular and Molecular Life Sciences</i> , <b>2001</b> , 58, 165-78	10.3	321
896	A search for the electric dipole moment of the neutron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 234, 191-196	4.2	306
895	Sensing with microstructured optical fibres. <i>Measurement Science and Technology</i> , <b>2001</b> , 12, 854-858	2	266
894	Roadmap of optical communications. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 063002	1.7	264
893	Self-similarity in ultrafast nonlinear optics. <i>Nature Physics</i> , <b>2007</b> , 3, 597-603	16.2	243
892	Holey optical fibers: an efficient modal model. <i>Journal of Lightwave Technology</i> , <b>1999</b> , 17, 1093-1102	4	237
891	Optical fiber nanowires and microwires: fabrication and applications. <i>Advances in Optics and Photonics</i> , <b>2009</b> , 1, 107	16.7	232
890	Nonlinearity in holey optical fibers: measurement and future opportunities. <i>Optics Letters</i> , <b>1999</b> , 24, 1395-7	3	225
889	Applied physics. Filling the light pipe. <i>Science</i> , <b>2010</b> , 330, 327-8	33.3	201
888	Towards high-capacity fibre-optic communications at the speed of light in vacuum. <i>Nature Photonics</i> , <b>2013</b> , 7, 279-284	33.9	200
887	Bismuth glass holey fibers with high nonlinearity. <i>Optics Express</i> , <b>2004</b> , 12, 5082-7	3.3	196

886	Passively Q-switched 0.1-mJ fiber laser system at 1.53 $\mu\text{m}$ . <i>Optics Letters</i> , <b>1999</b> , 24, 388-90	3	189
885	Architecture of NarGH reveals a structural classification of Mo-bisMGD enzymes. <i>Structure</i> , <b>2004</b> , 12, 95-104	5.2	177
884	Thulium-doped fiber amplifier for optical communications at 2 $\mu\text{m}$ . <i>Optics Express</i> , <b>2013</b> , 21, 9289-97	3.3	175
883	Energy quantisation in figure eight fibre laser. <i>Electronics Letters</i> , <b>1992</b> , 28, 67-68	1.1	174
882	Inverse design and fabrication tolerances of ultra-flattened dispersion holey fibers. <i>Optics Express</i> , <b>2005</b> , 13, 3728-36	3.3	173
881	Interrogation of fiber grating sensor arrays with a wavelength-swept fiber laser. <i>Optics Letters</i> , <b>1998</b> , 23, 843-5	3	159
880	Soliton pulse compression in dispersion-decreasing fiber. <i>Optics Letters</i> , <b>1993</b> , 18, 476-8	3	158
879	<b>2012</b> , 50, s31-s42		151
878	Chalcogenide holey fibres. <i>Electronics Letters</i> , <b>2000</b> , 36, 1998	1.1	149
877	Mid-IR Supercontinuum Generation From Nonsilica Microstructured Optical Fibers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2007</b> , 13, 738-749	3.8	145
876	Modeling large air fraction holey optical fibers. <i>Journal of Lightwave Technology</i> , <b>2000</b> , 18, 50-56	4	144
875	Propagation of cold atoms along a miniature magnetic guide. <i>Physical Review Letters</i> , <b>2000</b> , 84, 1371-3	7.4	136
874	Highly nonlinear and anomalously dispersive lead silicate glass holey fibers. <i>Optics Express</i> , <b>2003</b> , 11, 3568-73	3.3	133
873	320 fs soliton generation with passively mode-locked erbium fibre laser. <i>Electronics Letters</i> , <b>1991</b> , 27, 730	1.1	133
872	High-energy, high-power ytterbium-doped Q-switched fiber laser. <i>Optics Letters</i> , <b>2000</b> , 25, 37-9	3	129
871	Cladding pumped Ytterbium-doped fiber laser with holey inner and outer cladding. <i>Optics Express</i> , <b>2001</b> , 9, 714-20	3.3	129
870	Passive harmonic modelocking of a fibre soliton ring laser. <i>Electronics Letters</i> , <b>1993</b> , 29, 1860	1.1	129
869	Sequence analysis of subunits of the membrane-bound nitrate reductase from a denitrifying bacterium: the integral membrane subunit provides a prototype for the dihaem electron-carrying arm of a redox loop. <i>Molecular Microbiology</i> , <b>1995</b> , 15, 319-31	4.1	128

868	Selfstarting, passively modelocked erbium fibre ring laser based on the amplifying Sagnac switch. <i>Electronics Letters</i> , <b>1991</b> , 27, 542	1.1	124
867	Diode-pumped wideband thulium-doped fiber amplifiers for optical communications in the 1800 - 2050 nm window. <i>Optics Express</i> , <b>2013</b> , 21, 26450-5	3.3	118
866	73.7 Tb/s (96 x 3 x 256-Gb/s) mode-division-multiplexed DP-16QAM transmission with inline MM-EDFA. <i>Optics Express</i> , <b>2012</b> , 20, B428-38	3.3	118
865	Nonlinear self-switching and multiple gap-soliton formation in a fiber Bragg grating. <i>Optics Letters</i> , <b>1998</b> , 23, 328-30	3	117
864	Developing holey fibres for evanescent field devices. <i>Electronics Letters</i> , <b>1999</b> , 35, 1188	1.1	117
863	Extruded singlemode non-silica glass holey optical fibres. <i>Electronics Letters</i> , <b>2002</b> , 38, 546	1.1	116
862	First demonstration and detailed characterization of a multimode amplifier for Space Division Multiplexed transmission systems. <i>Optics Express</i> , <b>2011</b> , 19, B952-7	3.3	114
861	158-microJ pulses from a single-transverse-mode, large-mode-area erbium-doped fiber amplifier. <i>Optics Letters</i> , <b>1997</b> , 22, 378-80	3	114
860	Ultra-flat SPM-broadened spectra in a highly nonlinear fiber using parabolic pulses formed in a fiber Bragg grating. <i>Optics Express</i> , <b>2006</b> , 14, 7617-22	3.3	114
859	Toward practical holey fiber technology: fabrication, splicing, modeling, and characterization. <i>Optics Letters</i> , <b>1999</b> , 24, 1203-5	3	111
858	Hollow-core photonic bandgap fibers: technology and applications. <i>Nanophotonics</i> , <b>2013</b> , 2, 315-340	6.3	110
857	2R-regenerative all-optical switch based on a highly nonlinear holey fiber. <i>Optics Letters</i> , <b>2001</b> , 26, 1233-5		107
856	Multilevel quantization of optical phase in a novel coherent parametric mixer architecture. <i>Nature Photonics</i> , <b>2011</b> , 5, 748-752	33.9	106
855	Single-mode tellurite glass holey fiber with extremely large mode area for infrared nonlinear applications. <i>Optics Express</i> , <b>2008</b> , 16, 13651-6	3.3	105
854	. <i>Journal of Lightwave Technology</i> , <b>2001</b> , 19, 1352-1365	4	103
853	Catalytic protein film voltammetry from a respiratory nitrate reductase provides evidence for complex electrochemical modulation of enzyme activity. <i>Biochemistry</i> , <b>2001</b> , 40, 11294-307	3.2	102
852	A low-redox potential heme in the dinuclear center of bacterial nitric oxide reductase: implications for the evolution of energy-conserving heme-copper oxidases. <i>Biochemistry</i> , <b>1999</b> , 38, 13780-6	3.2	102
851	Small-core silica holey fibers: nonlinearity and confinement loss trade-offs. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2003</b> , 20, 1427	1.7	100

850	High-energy single-transverse-mode Q-switched fiber laser based on a multimode large-mode-area erbium-doped fiber. <i>Optics Letters</i> , <b>1998</b> , 23, 1683-5	3	99
849	Demonstration of Berry's phase using stored ultra-cold neutrons. <i>Physical Review Letters</i> , <b>1988</b> , 61, 2030-2033	7	99
848	Optical manipulation of microspheres along a subwavelength optical wire. <i>Optics Letters</i> , <b>2007</b> , 32, 3041-3	3	96
847	Holey fibers with random cladding distributions. <i>Optics Letters</i> , <b>2000</b> , 25, 206-8	3	96
846	. <i>Journal of Lightwave Technology</i> , <b>2001</b> , 19, 746-752	4	96
845	Nonlinear femtosecond pulse compression at high average power levels by use of a large-mode-area holey fiber. <i>Optics Letters</i> , <b>2003</b> , 28, 1951-3	3	95
844	Characteristics of Q-switched cladding-pumped ytterbium-doped fiber lasers with different high-energy fiber designs. <i>IEEE Journal of Quantum Electronics</i> , <b>2001</b> , 37, 199-206	2	94
843	Micro-channels machined in microstructured optical fibers by femtosecond laser. <i>Optics Express</i> , <b>2007</b> , 15, 8731-6	3-3	93
842	Look on the positive side! The orientation, identification and bioenergetics of 'Archaeal' membrane-bound nitrate reductases. <i>FEMS Microbiology Letters</i> , <b>2007</b> , 276, 129-39	2-9	92
841	Supercontinuum generation at 1.06 $\mu\text{m}$ in holey fibers with dispersion flattened profiles. <i>Optics Express</i> , <b>2006</b> , 14, 4445-51	3-3	90
840	Compound-glass optical nanowires. <i>Electronics Letters</i> , <b>2005</b> , 41, 400	1-1	89
839	Large Mode Area Fibers for High Power Applications. <i>Optical Fiber Technology</i> , <b>1999</b> , 5, 185-196	2-4	89
838	Models for molybdenum coordination during the catalytic cycle of periplasmic nitrate reductase from <i>Paracoccus denitrificans</i> derived from EPR and EXAFS spectroscopy. <i>Biochemistry</i> , <b>1999</b> , 38, 9000-12	3-2	89
837	. <i>Journal of Lightwave Technology</i> , <b>2005</b> , 23, 2399-2409	4	88
836	Nonlinear propagation effects in an AlGaAs Bragg grating filter. <i>Optics Letters</i> , <b>1999</b> , 24, 685-7	3	87
835	Characterization of a self-starting, passively mode-locked fiber ring laser that exploits nonlinear polarization evolution. <i>Optics Letters</i> , <b>1993</b> , 18, 358-60	3	87
834	Picosecond fiber MOPA pumped supercontinuum source with 39 W output power. <i>Optics Express</i> , <b>2010</b> , 18, 5426-32	3-3	86
833	High-nonlinearity dispersion-shifted lead-silicate holey fibers for efficient 1-/spl $\mu\text{m}$ pumped supercontinuum generation. <i>Journal of Lightwave Technology</i> , <b>2006</b> , 24, 183-190	4	86

832	Optical microfiber coupler for broadband single-mode operation. <i>Optics Express</i> , <b>2009</b> , 17, 5273-8	3.3	83
831	Four-wave mixing based 10-Gb/s tunable wavelength conversion using a holey fiber with a high SBS threshold. <i>IEEE Photonics Technology Letters</i> , <b>2003</b> , 15, 440-442	2.2	83
830	Demonstration of amplified data transmission at 2 $\mu\text{m}$ in a low-loss wide bandwidth hollow core photonic bandgap fiber. <i>Optics Express</i> , <b>2013</b> , 21, 28559-69	3.3	81
829	Suspended-core holey fiber for evanescent-field sensing. <i>Optical Engineering</i> , <b>2007</b> , 46, 010503	1.1	79
828	Generation of a 40-GHz pulse stream by pulse multiplication with a sampled fiber Bragg grating. <i>Optics Letters</i> , <b>2000</b> , 25, 521-3	3	79
827	High power pulsed fiber MOPA system incorporating electro-optic modulator based adaptive pulse shaping. <i>Optics Express</i> , <b>2009</b> , 17, 20927-37	3.3	78
826	Understanding bending losses in holey optical fibers. <i>Optics Communications</i> , <b>2003</b> , 227, 317-335	2	78
825	Signal peptide-chaperone interactions on the twin-arginine protein transport pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 8460-5	11.5	78
824	Broadband single-mode operation of standard optical fibers by using a sub-wavelength optical wire filter. <i>Optics Express</i> , <b>2008</b> , 16, 14661-7	3.3	76
823	Parabolic pulse evolution in normally dispersive fiber amplifiers preceding the similariton formation regime. <i>Optics Express</i> , <b>2006</b> , 14, 3161-70	3.3	76
822	High-efficiency grating-couplers: demonstration of a new design strategy. <i>Scientific Reports</i> , <b>2017</b> , 7, 16670	4.9	75
821	Si-rich Silicon Nitride for Nonlinear Signal Processing Applications. <i>Scientific Reports</i> , <b>2017</b> , 7, 22	4.9	75
820	High average power, high repetition rate, picosecond pulsed fiber master oscillator power amplifier source seeded by a gain-switched laser diode at 1060 nm. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 1013-1015	2.2	75
819	Greater than 20%-efficient frequency doubling of 1532-nm nanosecond pulses in quasi-phase-matched germanosilicate optical fibers. <i>Optics Letters</i> , <b>1999</b> , 24, 208-10	3	75
818	100 Gbit/s WDM transmission at 2 $\mu\text{m}$ : transmission studies in both low-loss hollow core photonic bandgap fiber and solid core fiber. <i>Optics Express</i> , <b>2015</b> , 23, 4946-51	3.3	74
817	Pulse repetition rates in passive, selfstarting, femtosecond soliton fibre laser. <i>Electronics Letters</i> , <b>1991</b> , 27, 1451	1.1	74
816	Mid-infrared ZBLAN fiber supercontinuum source using picosecond diode-pumping at 2 $\mu\text{m}$ . <i>Optics Express</i> , <b>2013</b> , 21, 24281-7	3.3	73
815	Fiber LPG Mode Converters and Mode Selection Technique for Multimode SDM. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1922-1925	2.2	73

814	The mathematical modelling of capillary drawing for holey fibre manufacture. <i>Journal of Engineering Mathematics</i> , <b>2002</b> , 43, 201-227	1.2	73
813	Parabolic pulse generation through passive nonlinear pulse reshaping in a normally dispersive two segment fiber device. <i>Optics Express</i> , <b>2007</b> , 15, 852-64	3.3	72
812	High-resolution microwave frequency transfer over an 86-km-long optical fiber network using a mode-locked laser. <i>Optics Letters</i> , <b>2011</b> , 36, 511-3	3	71
811	Supercontinuum generation in non-silica fibers. <i>Optical Fiber Technology</i> , <b>2012</b> , 18, 327-344	2.4	70
810	Design scaling rules for 2R-optical self-phase modulation-based regenerators. <i>Optics Express</i> , <b>2007</b> , 15, 5100-13	3.3	68
809	High-power, high repetition rate picosecond and femtosecond sources based on Yb-doped fiber amplification of VECSELs. <i>Optics Express</i> , <b>2006</b> , 14, 9611-6	3.3	67
808	Raman effects in a highly nonlinear holey fiber: amplification and modulation. <i>Optics Letters</i> , <b>2002</b> , 27, 424-6	3	67
807	Intensity measurement bend sensors based on periodically tapered soft glass fibers. <i>Optics Letters</i> , <b>2011</b> , 36, 558-60	3	65
806	Accurate modal gain control in a multimode erbium doped fiber amplifier incorporating ring doping and a simple LP pump configuration. <i>Optics Express</i> , <b>2012</b> , 20, 20835-43	3.3	65
805	Adaptive pulse shape control in a diode-seeded nanosecond fiber MOPA system. <i>Optics Express</i> , <b>2006</b> , 14, 10996-1001	3.3	64
804	Cladding pumped few-mode EDFA for mode division multiplexed transmission. <i>Optics Express</i> , <b>2014</b> , 22, 29008-13	3.3	63
803	Phase sensitive amplification based on quadratic cascading in a periodically poled lithium niobate waveguide. <i>Optics Express</i> , <b>2009</b> , 17, 20393-400	3.3	63
802	Stretched pulse Yb(3+)silica fiber laser. <i>Optics Letters</i> , <b>1997</b> , 22, 316-8	3	63
801	Demonstration of a four-channel WDM/OCDMA system using 255-chip 320-Gchip/s quaternary phase coding gratings. <i>IEEE Photonics Technology Letters</i> , <b>2002</b> , 14, 227-229	2.2	63
800	Robustly single mode hollow core photonic bandgap fiber. <i>Optics Express</i> , <b>2008</b> , 16, 4337-46	3.3	62
799	Optimizing the usable bandwidth and loss through core design in realistic hollow-core photonic bandgap fibers. <i>Optics Express</i> , <b>2006</b> , 14, 7974-85	3.3	62
798	A holey fiber-based nonlinear thresholding device for optical CDMA receiver performance enhancement. <i>IEEE Photonics Technology Letters</i> , <b>2002</b> , 14, 876-878	2.2	61
797	Open conformation of a flavocytochrome c3 fumarate reductase. <i>Nature Structural Biology</i> , <b>1999</b> , 6, 1104-7		61

796	All-fiber, ultra-wideband tunable laser at 2 $\mu$ m. <i>Optics Letters</i> , <b>2013</b> , 38, 4739-42	3	59
795	Antiresonant Hollow Core Fiber With an Octave Spanning Bandwidth for Short Haul Data Communications. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 437-442	4	58
794	Soliton transmission and supercontinuum generation in holey fiber, using a diode pumped Ytterbium fiber source. <i>Optics Express</i> , <b>2002</b> , 10, 382-7	3.3	58
793	Characterization of a flavocytochrome that is induced during the anaerobic respiration of Fe <sup>3+</sup> by <i>Shewanella frigidimarina</i> NCIMB400. <i>Biochemical Journal</i> , <b>1999</b> , 342, 439-448	3.8	58
792	Optical Parabolic Pulse Generation and Applications. <i>IEEE Journal of Quantum Electronics</i> , <b>2009</b> , 45, 1482-1489	57	
791	Practical low-noise stretched-pulse Yb(3+)-doped fiber laser. <i>Optics Letters</i> , <b>2002</b> , 27, 291-3	3	56
790	All-optical AND gate based on coupled gap-soliton formation in a fiber Bragg grating. <i>Optics Letters</i> , <b>1998</b> , 23, 259-61	3	56
789	114 Gbit/s soliton train generation through Raman self-scattering of a dual frequency beat signal in dispersion decreasing optical fiber. <i>Applied Physics Letters</i> , <b>1993</b> , 63, 293-295	3.4	56
788	High Capacity Mode-Division Multiplexed Optical Transmission in a Novel 37-cell Hollow-Core Photonic Bandgap Fiber. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 854-863	4	55
787	Control of periplasmic nitrate reductase gene expression (napEDABC) from <i>Paracoccus pantotrophus</i> in response to oxygen and carbon substrates. <i>Microbiology (United Kingdom)</i> , <b>2000</b> , 146 ( Pt 11), 2977-2985	2.9	55
786	100 kW peak power picosecond thulium-doped fiber amplifier system seeded by a gain-switched diode laser at 2 $\mu$ m. <i>Optics Letters</i> , <b>2013</b> , 38, 1615-7	3	54
785	Detailed characterization of a fiber-optic parametric amplifier in phase-sensitive and phase-insensitive operation. <i>Optics Express</i> , <b>2010</b> , 18, 4130-7	3.3	54
784	Dissemination of an optical frequency comb over fiber with 3 $\times 10^{-18}$ fractional accuracy. <i>Optics Express</i> , <b>2012</b> , 20, 1775-82	3.3	54
783	Picosecond soliton pulse compressor based on dispersion decreasing fibre. <i>Electronics Letters</i> , <b>1992</b> , 28, 1842	1.1	54
782	The effect of core asymmetries on the polarization properties of hollow core photonic bandgap fibers. <i>Optics Express</i> , <b>2005</b> , 13, 9115-24	3.3	53
781	Optical Pulse Compression in Fiber Bragg Gratings. <i>Physical Review Letters</i> , <b>1997</b> , 79, 4566-4569	7.4	52
780	Extruded singlemode, high-nonlinearity, tellurite glass holey fibre. <i>Electronics Letters</i> , <b>2005</b> , 41, 835	1.1	52
779	Ultrashort-pulse Yb <sup>3+</sup> -fiber-based laser and amplifier system producing >25-W average power. <i>Optics Letters</i> , <b>2004</b> , 29, 2073-5	3	52

778	Temperature and wavelength tuning of second-, third-, and fourth-harmonic generation in a two-dimensional hexagonally poled nonlinear crystal. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2002</b> , 19, 2263	1.7	52
777	Experimental demonstration of 100 GHz dark soliton generation and propagation using a dispersion decreasing fibre. <i>Electronics Letters</i> , <b>1994</b> , 30, 1326-1327	1.1	52
776	Comparative study of large-mode holey and conventional fibers. <i>Optics Letters</i> , <b>2001</b> , 26, 1045-7	3	51
775	Characterization of the paramagnetic iron-containing redox centres of <i>Thiosphaera pantotropha</i> periplasmic nitrate reductase. <i>FEBS Letters</i> , <b>1994</b> , 345, 76-80	3.8	50
774	The characteristics of NDM-producing <i>Klebsiella pneumoniae</i> from Canada. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2011</b> , 71, 106-9	2.9	49
773	Investigation of Brillouin effects in small-core holey optical fiber: lasing and scattering. <i>Optics Letters</i> , <b>2002</b> , 27, 927-9	3	49
772	1-Pb/s (32 SDM/46 WDM/768 Gb/s) C-band Dense SDM Transmission over 205.6-km of Single-mode Heterogeneous Multi-core Fiber using 96-Gbaud PDM-16QAM Channels <b>2017</b> ,		49
771	. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 1363-1368	4	48
770	Fibre-optic metadvice for all-optical signal modulation based on coherent absorption. <i>Nature Communications</i> , <b>2018</b> , 9, 182	17.4	48
769	Multi-kilometer Long, Longitudinally Uniform Hollow Core Photonic Bandgap Fibers for Broadband Low Latency Data Transmission. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 104-113	4	48
768	. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1100-1103	2.2	48
767	Archon: A Function Programmable Optical Interconnect Architecture for Transparent Intra and Inter Data Center SDM/TDM/WDM Networking. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 1586-1595	4	48
766	Tunable, femtosecond pulse source operating in the range 1061133 m based on an Yb <sup>3+</sup> -doped holey fiber amplifier. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2002</b> , 19, 1286	1.7	48
765	A 103 W erbium/ytterbium co-doped large-core fiber laser. <i>Optics Communications</i> , <b>2003</b> , 227, 159-163	2	47
764	Inter-modal four-wave mixing study in a two-mode fiber. <i>Optics Express</i> , <b>2016</b> , 24, 30338-30349	3.3	46
763	Design of 7 and 19 cells core air-guiding photonic crystal fibers for low-loss, wide bandwidth and dispersion controlled operation. <i>Optics Express</i> , <b>2007</b> , 15, 17577-86	3.3	45
762	Pulse retiming based on XPM using parabolic pulses formed in a fiber Bragg grating. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 829-831	2.2	45
761	Mo(V) electron paramagnetic resonance signals from the periplasmic nitrate reductase of <i>Thiosphaera pantotropha</i> . <i>FEBS Journal</i> , <b>1994</b> , 226, 789-98		45

760	Broadband high birefringence and polarizing hollow core antiresonant fibers. <i>Optics Express</i> , <b>2016</b> , 24, 22943-22958	3-3	45
759	High-Capacity Directly Modulated Optical Transmitter for 2- $\mu$ m Spectral Region. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 1373-1379	4	44
758	Dual mode fused optical fiber couplers suitable for mode division multiplexed transmission. <i>Optics Express</i> , <b>2013</b> , 21, 24326-31	3-3	44
757	All-solid highly nonlinear singlemode fibers with a tailored dispersion profile. <i>Optics Express</i> , <b>2011</b> , 19, 66-80	3-3	44
756	Low-loss and low-bend-sensitivity mid-infrared guidance in a hollow-core-photonic-bandgap fiber. <i>Optics Letters</i> , <b>2014</b> , 39, 295-8	3	43
755	Polarisation maintaining 100W Yb-fiber MOPA producing microJ pulses tunable in duration from 1 to 21 ps. <i>Optics Express</i> , <b>2010</b> , 18, 14385-94	3-3	43
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445	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2007</b> , 13, 1480-1486	3.8	8
444	Optical parametric oscillator with a pulse repetition rate of 39 GHz and 2.1-W signal average output power in the spectral region near 1.5 microm. <i>Optics Letters</i> , <b>2005</b> , 30, 290-2	3	8
443	Microstructured fibers for broadband wavefront filtering in the mid-IR. <i>Optics Express</i> , <b>2006</b> , 14, 11773-863		8
442	1 W average power at 589 nm from a frequency doubled pulsed Raman fiber MOPA system <b>2006</b> , 6102, 348		8
441	Soliton-self-frequency-shift effects and pulse compression in an anomalously dispersive high nonlinearity lead silicate holey fiber <b>2003</b> ,		8
440	Compact, high repetition rate, 4.2 MW peak power, 1925 nm, thulium-doped fiber chirped-pulse amplification system with dissipative soliton seed laser. <i>Optics Express</i> , <b>2019</b> , 27, 36741-36749	3.3	8
439	Antiresonant Hollow Core Fiber with Octave Spanning Bandwidth for Short Haul Data Communications <b>2016</b> ,		8
438	Ultra-low NA step-index large mode area Yb-doped fiber with a germanium doped cladding for high power pulse amplification. <i>Optics Letters</i> , <b>2020</b> , 45, 3828-3831	3	8
437	Optoelectronic oscillator incorporating hollow-core photonic bandgap fiber. <i>Optics Letters</i> , <b>2017</b> , 42, 2647-2650	3	8

436	The generation of femtosecond optical vortex beams with megawatt powers directly from a fiber based Mamyshev oscillator. <i>Nanophotonics</i> , <b>2021</b> ,	6.3	8
435	Fully integrated optical isolators for space division multiplexed (SDM) transmission. <i>APL Photonics</i> , <b>2019</b> , 4, 022801	5.2	8
434	Backscattering in antiresonant hollow-core fibers: over 40 dB lower than in standard optical fibers. <i>Optica</i> , <b>2021</b> , 8, 216	8.6	8
433	Extreme Short Wavelength Operation (1.65–1.7 $\mu\text{m}$ ) of Silica-Based Thulium-Doped Fiber Amplifier <b>2015</b> ,		7
432	Polarization Insensitive Wavelength Conversion in a Low-Birefringence SiGe Waveguide. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 1221-1224	2.2	7
431	First demonstration of all-optical programmable SDM/TDM intra data centre and WDM inter-DCN communication <b>2014</b> ,		7
430	Optical side scattering radiometry for high resolution, wide dynamic range longitudinal assessment of optical fibers. <i>Optics Express</i> , <b>2015</b> , 23, 27960-74	3.3	7
429	Demonstration of an 11km Hollow Core Photonic Bandgap Fiber for Broadband Low-latency Data Transmission <b>2015</b> ,		7
428	Demonstration of a 9 LP-Mode Transmission Fiber with Low DMD and Loss <b>2015</b> ,		7
427	41.6 Tb/s C-band SDM OFDM transmission through 12 spatial and polarization modes over 74.17 km few mode fiber <b>2014</b> ,		7
426	Selective amplification of frequency comb modes via optical injection locking of a semiconductor laser: influence of adjacent unlocked comb modes <b>2013</b> ,		7
425	Retiming of Short Pulses Using Quadratic Cascading in a Periodically Poled Lithium Niobate Waveguide. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 94-96	2.2	7
424	Feed-forward true carrier extraction of high baud rate phase shift keyed signals using photonic modulation stripping and low-bandwidth electronics. <i>Optics Express</i> , <b>2011</b> , 19, 26594-9	3.3	7
423	Embedded Optical Microfiber Coil Resonator With Enhanced High-Q. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> ,	2.2	7
422	Silica-based highly nonlinear fibers with a high SBS threshold <b>2011</b> ,		7
421	The effect of periodicity on the defect modes of large mode area microstructured fibers. <i>Optics Express</i> , <b>2008</b> , 16, 18631-45	3.3	7
420	Generalisation and Experimental Validation of Design Rules for Self-Phase Modulation-based 2R-Regenerators <b>2007</b> ,		7
419	Demonstration of a simple CDMA transmitter and receiver using sampled fibre gratings		7

4 <sup>18</sup>	All-optical modulation of 40 GHz beat frequency conversion soliton source. <i>Electronics Letters</i> , <b>1995</b> , 31, 1362-1364	1.1	7
4 <sup>17</sup>	Demonstration of 205 km transmission of 35 GHz, 5 ps pulses generated from a diode-driven, low-jitter, beat-signal to soliton train conversion source. <i>Electronics Letters</i> , <b>1995</b> , 31, 470-472	1.1	7
4 <sup>16</sup>	First Demonstration of a Broadband 37-cell Hollow Core Photonic Bandgap Fiber and Its Application to High Capacity Mode Division Multiplexing <b>2013</b> ,		7
4 <sup>15</sup>	Ultrawide Bandwidth Hollow Core Fiber for Interband Short Reach Data Transmission <b>2019</b> ,		7
4 <sup>14</sup>	Intermodal frequency generation in silicon-rich silicon nitride waveguides. <i>Photonics Research</i> , <b>2019</b> , 7, 615	6	7
4 <sup>13</sup>	InP-based Optical Comb-locked Tunable Transmitter <b>2016</b> ,		7
4 <sup>12</sup>	Hollow-core fibres for temperature-insensitive fibre optics and its demonstration in an Optoelectronic oscillator. <i>Scientific Reports</i> , <b>2018</b> , 8, 18015	4.9	7
4 <sup>11</sup>	Amplified O-Band WDM Transmission Using a Bi-Doped Fibre Amplifier <b>2018</b> ,		7
4 <sup>10</sup>	A Tuneable Multi-Core to Single Mode Fiber Coupler. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 591-594	2.2	6
4 <sup>09</sup>	Cryptography in coherent optical information networks using dissipative metamaterial gates. <i>APL Photonics</i> , <b>2019</b> , 4, 046102	5.2	6
4 <sup>08</sup>	15 Times 200 Gbit/s 16-QAM SDM Transmission Over an Integrated 7-Core Cladding-Pumped Repeated Multicore Link in a Recirculating Loop. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 349-354	4	6
4 <sup>07</sup>	Current status of few mode fiber amplifiers for spatial division multiplexed transmission. <i>Journal of Optics (India)</i> , <b>2016</b> , 45, 275-284	1.3	6
4 <sup>06</sup>	Optical Injection-Locked Directly Modulated Lasers for Dispersion Pre-Compensated Direct-Detection Transmission. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 4967-4974	4	6
4 <sup>05</sup>	100-Gb/s Transmission Over a 2520-km Integrated MCF System Using Cladding-Pumped Amplifiers. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 1187-1190	2.2	6
4 <sup>04</sup>	Parametric modeling using sensitivity-based adjoint neuro-transfer functions for microwave passive components <b>2015</b> ,		6
4 <sup>03</sup>	Nonlinearity mitigation through optical phase conjugation in a deployed fibre link with full bandwidth utilization <b>2015</b> ,		6
4 <sup>02</sup>	90 nm gain extension towards 1.7 Th for diode-pumped silica-based thulium-doped fiber amplifiers <b>2014</b> ,		6
4 <sup>01</sup>	First demonstration of a 2Th few-mode TDFA for mode division multiplexing. <i>Optics Express</i> , <b>2014</b> , 22, 10544-9	3.3	6

400	Picometer-scale surface roughness measurements inside hollow glass fibres. <i>Optics Express</i> , <b>2014</b> , 22, 29554-67	3.3	6
399	Suppression of Gain Variation in a PSA-Based Phase Regenerator Using an Additional Harmonic. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2074-2077	2.2	6
398	1 Km hole-assisted few-mode multi-core fiber 32QAM WDM transmission <b>2014</b> ,		6
397	Full characterization and comparison of phase properties of narrow linewidth lasers operating in the C-band <b>2011</b> ,		6
396	Selective excitation of multiple Raman Stokes wavelengths (green-yellow-red) using shaped multi-step pulses from an all-fiber PM MOPA. <i>Optics Express</i> , <b>2011</b> , 19, 2085-92	3.3	6
395	Phase-regenerative wavelength conversion in periodically poled lithium niobate waveguides. <i>Optics Express</i> , <b>2011</b> , 19, 11705-15	3.3	6
394	Analysis of modal interference in Photonic Bandgap Fibres <b>2010</b> ,		6
393	Modulation format conversion employing coherent optical superposition. <i>Optics Express</i> , <b>2012</b> , 20, B322-330	3.3	6
392	All-fiber acoustooptic filter with low-polarization sensitivity and no frequency shift. <i>IEEE Photonics Technology Letters</i> , <b>1997</b> , 9, 461-463	2.2	6
391	Performance comparison of spectrum-slicing techniques employing SOA-based noise suppression at the transmitter or receiver. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 1494-1496	2.2	6
390	Seeded erbiumytterbium codoped fibre amplifier source with 87 W of single-frequency output power. <i>Electronics Letters</i> , <b>2003</b> , 39, 1717	1.1	6
389	Generation of ultra-flat SPM-broadened spectra in a highly nonlinear fiber using pulse pre-shaping in a fiber Bragg grating <b>2005</b> ,		6
388	Transmission of 6 ps linear pulses over 50 km of standard fiber using midpoint spectral inversion to eliminate dispersion. <i>IEEE Journal of Quantum Electronics</i> , <b>1994</b> , 30, 2114-2119	2	6
387	Optimising the Performances of Hollow Antiresonant Fibres <b>2011</b> ,		6
386	Adiabatic higher-order mode microfibers based on a logarithmic index profile. <i>Optics Express</i> , <b>2020</b> , 28, 19126-19132	3.3	6
385	Compact few-mode fiber collimator and associated optical components for mode division multiplexed transmission <b>2016</b> ,		6
384	Hollow Core Fibres and their Applications <b>2017</b> ,		6
383	Novel Antiresonant Hollow Core Fiber Design with Ultralow Leakage Loss Using Transverse Power Flow Analysis <b>2019</b> ,		6

382	Demonstration of opposing thermal sensitivities in hollow-core fibers with open and sealed ends. <i>Optics Letters</i> , <b>2019</b> , 44, 4367-4370	3	6
381	All-optical 160 Gbit/s RZ data retiming system incorporating a pulse shaping fibre Bragg grating <b>2007</b> ,		6
380	On-Demand Spectrum and Space Defragmentation in an Elastic SDM/FDM/TDM Network with Mixed Multi- and Single-core Fiber Links <b>2013</b> ,		6
379	. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 3223-3229	4	6
378	Optical Predistortion Enabling Phase Preservation in Optical Signal Processing Demonstrated in FWM-Based Amplitude Limiter. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 963-970	4	5
377	Intermodal Bragg-Scattering Four Wave Mixing in Silicon Waveguides. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 1680-1685	4	5
376	Low Thermal Sensitivity Hollow Core Fiber for Optically-Switched Data Centers. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 2703-2709	4	5
375	Cavity-induced phase noise suppression in a Fabry-Perot modulator-based optical frequency comb. <i>Optics Letters</i> , <b>2017</b> , 42, 1536-1539	3	5
374	Widely Tunable, Narrow-Linewidth, High-Peak-Power, Picosecond Midinfrared Optical Parametric Amplifier. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2018</b> , 24, 1-6	3.8	5
373	Ten gigabit per second optical transmissions at 1.98 $\mu\text{m}$ in centimetre-long SiGe waveguides. <i>Electronics Letters</i> , <b>2017</b> , 53, 1213-1214	1.1	5
372	Anisotropic Superattenuation of Capillary Waves on Driven Glass Interfaces. <i>Physical Review Letters</i> , <b>2017</b> , 119, 235501	7.4	5
371	Radially and azimuthally polarized nanosecond Yb-doped fiber MOPA system incorporating temporal shaping. <i>Optics Letters</i> , <b>2017</b> , 42, 1740-1743	3	5
370	Data transmission through up to 74.8 km of hollow-core fiber with coherent and direct-detect transceivers <b>2015</b> ,		5
369	Efficient binary phase quantizer based on phase sensitive four wave mixing <b>2014</b> ,		5
368	Spatial mode switchable, wavelength tunable erbium doped fiber laser incorporating a spatial light modulator <b>2014</b> ,		5
367	An Optical Phase Quantiser Exhibiting Suppressed Phase Dependent Gain Variation <b>2014</b> ,		5
366	All-Optical Processing of Multi-level Phase Shift Keyed Signals <b>2012</b> ,		5
365	Overcoming the Challenges of Splicing Dissimilar Diameter Solid-Core and Hollow-Core Photonic Band Gap Fibers <b>2013</b> ,		5

364	Tunable synchronously-pumped fiber Raman laser in the visible and near-infrared exploiting MOPA-generated rectangular pump pulses. <i>Optics Letters</i> , <b>2011</b> , 36, 2050-2	3	5
363	Adaptive extraction of emotion-related EEG segments using multidimensional directed information in time-frequency domain. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 1-4	0.9	5
362	Fiber MOPA based tunable source for terahertz spectroscopy. <i>Laser Physics Letters</i> , <b>2012</b> , 9, 350-354	1.5	5
361	Distributed dispersion measurements and control within continuously varying dispersion tapered fibers. <i>IEEE Photonics Technology Letters</i> , <b>1997</b> , 9, 1511-1513	2.2	5
360	Demonstration of a full-duplex bidirectional spectrally interleaved OCDMA/DWDM system. <i>IEEE Photonics Technology Letters</i> , <b>2003</b> , 15, 482-484	2.2	5
359	7.7 mJ pulses from a large core Yb-doped cladding pumped Q-switched fibre laser <b>2001</b> ,		5
358	Continuous-wave pumped holey fiber Raman laser <b>2002</b> ,		5
357	Demonstrations of Berry's phase using polarised neutrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1989</b> , 284, 192-196	1.2	5
356	Compact micro-optic based components for hollow core fibers. <i>Optics Express</i> , <b>2020</b> , 28, 1518-1525	3.3	5
355	Controllable duration and repetition-rate picosecond pulses from a high-average-power OP-GaAs OPO. <i>Optics Express</i> , <b>2020</b> , 28, 32540-32548	3.3	5
354	Homodyne OFDM using Simple Optical Carrier Recovery <b>2014</b> ,		5
353	Silica-Based Thulium Doped Fiber Amplifiers for Wavelengths beyond the L-band <b>2016</b> ,		5
352	300-km Transmission of Dispersion Pre-compensated PAM4 Using Direct Modulation and Direct Detection <b>2017</b> ,		5
351	Annular Core Photonic Lantern OAM Mode Multiplexer <b>2017</b> ,		5
350	Nondestructive measurement of the roughness of the inner surface of hollow core-photonic bandgap fibers. <i>Optics Letters</i> , <b>2016</b> , 41, 5086-5089	3	5
349	High-beam-quality, watt-level, widely tunable, mid-infrared OP-GaAs optical parametric oscillator. <i>Optics Letters</i> , <b>2019</b> , 44, 2744	3	5
348	Study on the temperature dependent characteristics of O-band bismuth-doped fiber amplifier. <i>Optics Letters</i> , <b>2019</b> , 44, 5650-5653	3	5
347	PAM4 transmission over 360 km of fibre using optical phase conjugation. <i>OSA Continuum</i> , <b>2019</b> , 2, 973	1.4	5

346	Simplified Impulse Response Characterization for Mode Division Multiplexed Systems <b>2016,</b>		5
345	Low Computational Complexity Mode Division Multiplexed OFDM Transmission over 130 km of Few Mode Fiber <b>2013,</b>		5
344	Multicore and multimode optical amplifiers for space division multiplexing <b>2020,</b> 301-333		5
343	The Thermal Phase Sensitivity of Both Coated and Uncoated Standard and Hollow Core Fibers Down to Cryogenic Temperatures. <i>Journal of Lightwave Technology</i> , <b>2020,</b> 38, 2477-2484	4	5
342	Laser frequency stabilization and spectroscopy at 2051 nm using a compact CO-filled Kagome hollow core fiber gas-cell system. <i>Optics Express</i> , <b>2018,</b> 26, 28621-28633	3-3	5
341	Demonstration of Space-to-Wavelength Conversion in SDM Networks. <i>IEEE Photonics Technology Letters</i> , <b>2015,</b> 27, 828-831	2.2	4
340	Record Phase Sensitive Extinction Ratio in a Silicon Germanium Waveguide <b>2015,</b>		4
339	Practical Considerations on Discrete Multi-tone Transmission for Cost-effective Access Networks <b>2015,</b>		4
338	Phase regeneration of an M-PSK signal using partial regeneration of its M/2-PSK second phase harmonic. <i>Optics Communications</i> , <b>2015,</b> 334, 35-40	2	4
337	C- to L- band Wavelength Conversion Enabled by Parametric Processes in a Few Mode Fiber <b>2017,</b>		4
336	Novel Fiber Design for Wideband Conversion and Amplification in Multimode Fibers <b>2017,</b>		4
335	Multicore Fibre Fan-In/Fan-Out Device using Fibre Optic Collimators <b>2017,</b>		4
334	FWM-based, Idler-free Phase Quantiser with Flexible Operating Power <b>2015,</b>		4
333	Studying the limits of production rate and yield for the volume manufacturing of hollow core photonic band gap fibers. <i>Optics Express</i> , <b>2015,</b> 23, 32179-90	3-3	4
332	PSA-based all-optical multi-channel phase regenerator <b>2015,</b>		4
331	Wide-bandwidth, low-loss, 19-cell hollow core photonic band gap fiber and its potential for low latency data transmission <b>2012,</b>		4
330	WDM Transmission at 2Tb over Low-Loss Hollow Core Photonic Bandgap Fiber <b>2013,</b>		4
329	First Demonstration of an Amplified Transmission Line Based on Multi-Element Fibre Technology <b>2013,</b>		4

328	500km remote interrogation of optical sensor arrays <b>2011</b> ,		4
327	All-optical phase-regenerative multicasting of 40 Gbit/s DPSK signal in a degenerate phase sensitive amplifier <b>2010</b> ,		4
326	Wide spectral range confocal microscope based on endlessly single-mode fiber. <i>Optics Express</i> , <b>2010</b> , 18, 18811-9	3.3	4
325	In situ spatially-resolved thermal and Brillouin diagnosis of high-power ytterbium-doped fibre laser by Brillouin optical time domain analysis. <i>Electronics Letters</i> , <b>2009</b> , 45, 153	1.1	4
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323	Characterization of XGM and XPM in a SOA-MZI using a Linear Frequency Resolved Gating Technique. <i>Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS</i> , <b>2007</b> ,		4
322	Temporal-Talbot Effect Based All-Optical Clock Recovery Using Bragg gratings <b>2007</b> ,		4
321	Frequency-resolved optical gating in the 155 $\mu\text{m}$ band via cascaded $\chi^{(2)}$ processes. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2005</b> , 22, 1985	1.7	4
320	Second-harmonic generation in hexagonally-poled lithium niobate slab waveguides. <i>Electronics Letters</i> , <b>2003</b> , 39, 75	1.1	4
319	Fabrication and optical properties of lead silicate glass holey fibers. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 345-346, 293-296	3.9	4
318	Fundamentals and applications of silica and nonsilica holey fibers <b>2004</b> , 5350, 35		4
317	Generation, recognition and recoding of 64-chip bipolar optical code sequences using superstructured fibre Bragg gratings. <i>Electronics Letters</i> , <b>2001</b> , 37, 190	1.1	4
316	Holey fibers: new possibilities for guiding and manipulating light <b>2002</b> ,		4
315	A 16-channel OCDMA system (4 OCDM /spl times/ 4 WDM) based on 16-chip, 20 Gchip/s superstructure fibre Bragg gratings and DFB fibre laser transmitters		4
314	Light-induced specular-reflectivity suppression at a gallium/silica interface. <i>Optics Letters</i> , <b>2000</b> , 25, 1594-6		4
313	Efficient modelling of holey fibers <b>1999</b> ,		4
312	Soliton Effects in an AlGaAs Bragg Grating. <i>Optics and Photonics News</i> , <b>1999</b> , 10, 43	1.9	4
311	Nd:YAG laser pumped picosecond Yb <sup>3+</sup> /Er <sup>3+</sup> fibre laser. <i>Electronics Letters</i> , <b>1992</b> , 28, 766	1.1	4

310	Cavity ring-down in a photonic bandgap fiber gas cell <b>2008</b> ,		4
309	Multi-Watt All-Fiber Frequency Doubled Laser <b>2014</b> ,		4
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307	Selective wavelength conversion in a few-mode fiber. <i>Optics Express</i> , <b>2019</b> , 27, 24072-24081	3.3	4
306	Hollow Core Photonic Bandgap fibers for Telecommunications: Opportunities and Potential Issues <b>2012</b> ,		4
305	High gain Bi-doped all fiber amplifier for O-band DWDM optical fiber communication <b>2019</b> ,		4
304	MIMO-less Space Division Multiplexing Transmission over 1 km Elliptical Core Few Mode Fiber <b>2017</b> ,		4
303	An Optical Frequency Comb Generator as a Broadband Pulse Source <b>2009</b> ,		4
302	OTDM to WDM Format Conversion Based on Cascaded SHG/DFG in a Single PPLN Waveguide <b>2010</b> ,		4
301	High-power, electronically controlled source of user-defined vortex and vector light beams based on a few-mode fiber amplifier. <i>Photonics Research</i> , <b>2021</b> , 9, 856	6	4
300	Gas-induced differential refractive index enhanced guidance in hollow-core optical fibers. <i>Optica</i> , <b>2021</b> , 8, 916	8.6	4
299	Highly efficient frequency doubling and quadrupling of a short-pulsed thulium fiber laser. <i>Applied Physics B: Lasers and Optics</i> , <b>2018</b> , 124, 59	1.9	3
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297	Toward High Accuracy Positioning in 5G via Passive Synchronization of Base Stations Using Thermally-Insensitive Optical Fibers. <i>IEEE Access</i> , <b>2019</b> , 7, 113197-113205	3.5	3
296	First Demonstration of a 2- $\mu\text{m}$ OTDR and Its Use in Photonic Bandgap $\text{CO}_2$ Sensing Fiber. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 889-892	2.2	3
295	High performance architecture design for large scale fibre-optic sensor arrays using distributed EDFAs and hybrid TDM/DWDM. <i>Measurement Science and Technology</i> , <b>2013</b> , 24, 094024	2	3
294	<b>2017</b> ,		3
293	<b>2017</b> ,		3

292	<b>2017,</b>		3
291	Power Consumption in Multi-core Fibre Networks <b>2017,</b>		3
290	Demonstration of arbitrary temporal shaping of picosecond pulses in a radially polarized Yb-fiber MOPA with > 10 W average power. <i>Optics Express</i> , <b>2017</b> , 25, 15402-15413	3-3	3
289	49.6 Gb/s direct detection DMT transmission over 40 km single mode fibre using an electrically packaged silicon photonic modulator. <i>Optics Express</i> , <b>2017</b> , 25, 29798-29811	3-3	3
288	Volume Manufacturing of Hollow Core Photonic Band Gap Fibers: Challenges and Opportunities <b>2015,</b>		3
287	A DSP-assisted symbol-cascade mobile fronthaul solution with large capacity and neat RRHs <b>2015,</b>		3
286	Quadrature decomposition of optical fields using two orthogonal phase sensitive amplifiers <b>2014,</b>		3
285	Generation of mode-locked optical pulses at 1035 nm from a fiber Bragg grating stabilized semiconductor laser diode. <i>Optics Express</i> , <b>2014</b> , 22, 13366-73	3-3	3
284	Few-mode EDFA Supporting 5 Spatial Modes with Reconfigurable Differential Modal Gain Control <b>2013,</b>		3
283	Multimode EDFA performance in mode-division multiplexed transmission systems <b>2013,</b>		3
282	Analysis of acceptable spectral windows of quadratic cascaded nonlinear processes in a periodically poled lithium niobate waveguide. <i>Optics Express</i> , <b>2011</b> , 19, 8327-35	3-3	3
281	Use of a pulsed fibre laser as an excitation source for photoacoustic tomography <b>2011,</b>		3
280	Saturation effects in degenerate phase sensitive fiber optic parametric amplifiers <b>2010,</b>		3
279	Recent advances in highly nonlinear fibres <b>2010,</b>		3
278	Multichannel Wavelength Conversion of 40-Gb/s Nonreturn-to-Zero DPSK Signals in a LeadBilicate Fiber. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 1153-1155	2-2	3
277	Multiple access interference rejection in OCDMA using a two-photon absorption based semiconductor device. <i>Optics Communications</i> , <b>2009</b> , 282, 1281-1286	2	3
276	All fiber components for multimode SDM systems <b>2012,</b>		3
275	1.45 Tbit/s, Low Latency Data Transmission through a 19-Cell Hollow Core Photonic Band Gap Fibre <b>2012,</b>		3

274	Improved method for estimating the minimum length of modal filters fabricated for stellar interferometry. <i>Optics Express</i> , <b>2009</b> , 17, 1935-46	3.3	3
273	Optical WDM regeneration: status and future prospects <b>2009</b> ,		3
272	Developing Single-Mode Tellurite Glass Holey Fiber for Infrared Nonlinear Applications. <i>Advances in Science and Technology</i> , <b>2008</b> , 55, 108-117	0.1	3
271	Experimental Investigation of a Dispersion-Managed Multi-channel 2R Optical Regenerator <b>2008</b> ,		3
270	Demonstration of a 16-channel code-reconfigurable OCDMA/DWDM system <b>2007</b> ,		3
269	Ultraviolet writing of channel waveguides in proton-exchanged LiNbO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 014110	2.5	3
268	Linear-distortion compensation using XPM with parabolic pulses <b>2007</b> ,		3
267	Frequency-resolved optical gating in a quasi-phase-matched LiNbO <sub>3</sub> waveguide. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 849-851	2.2	3
266	Optical regeneration using self-phase modulation and quasi-continuous filtering. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 1350-1352	2.2	3
265	Heavy metal oxide glass holey fibers with high nonlinearity <b>2005</b> ,		3
264	Exploring the optical properties of holey fibres. <i>AIP Conference Proceedings</i> , <b>2001</b> ,	0	3
263	Dispersion compensation of 16 ps pulses over 100 km of step-index fibre using cascaded chirped fibre gratings. <i>Electronics Letters</i> , <b>1995</b> , 31, 1004-1006	1.1	3
262	Ultra-Long-Haul WDM Transmission in a Reduced Inter-Modal Interference NANF Hollow-Core Fiber <b>2021</b> ,		3
261	Hollow Core NANFs with Five Nested Tubes and Record Low Loss at 850, 1060, 1300 and 1625nm <b>2021</b> ,		3
260	Passively Mode-Locked Fiber Laser Incorporating Adaptive Filtering and Dispersion Management <b>2013</b> ,		3
259	Fusion-Spliced Highly Nonlinear Soft-glass W-type Index Profiled Fibre with Ultra-flattened, Low Dispersion Profile in 1.55µm Telecommunication Window <b>2011</b> ,		3
258	High pulse energy fibre laser as an excitation source for photoacoustic tomography. <i>Optics Express</i> , <b>2020</b> , 28, 34255-34265	3.3	3
257	Optical nonlinearity mitigation of 6 × 10 Gbd polarization-division multiplexing 16 QAM signals in a field-installed transmission link <b>2017</b> ,		3

256	Optical Phase Conjugation in Installed Optical Networks <b>2018,</b>		3
255	Channel Selective Wavelength Conversion by Means of Inter Modal Four Wave Mixing <b>2019,</b>		3
254	Dissimilatory Fe(III) reduction by <i>Clostridium beijerinckii</i> isolated from freshwater sediment using Fe(III) maltol enrichment		3
253	Field Trial of WDM-OTDM Transmultiplexing employing Photonic Switch Fabric-based Buffer-less Bit-interleaved Data Grooming and All-Optical Regeneration <b>2009,</b>		3
252	Wide-bandwidth, low-loss, 19-cell hollow core photonic band gap fiber and its potential for low latency data transmission <b>2012,</b>		3
251	First Investigation of Longitudinal Defects in Hollow Core Photonic Bandgap Fibers <b>2014,</b>		3
250	. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 1458-1463	4	3
249	Optical Fiber Delay Lines in Microwave Photonics: Sensitivity to Temperature and Means to Reduce it. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 2311-2318	4	3
248	Real-world evidence: Patient views on asthma in respiratory specialist clinics in America. <i>Annals of Allergy, Asthma and Immunology</i> , <b>2021</b> , 126, 385-393.e2	3.2	3
247	Numerical and experimental study on the impact of chromatic dispersion on O-band direct-detection transmission. <i>Applied Optics</i> , <b>2021</b> , 60, 4383-4390	1.7	3
246	Wavelength conversion technique for optical frequency dissemination applications. <i>Optics Letters</i> , <b>2016</b> , 41, 1716-9	3	3
245	Finesse Limits in Hollow Core Fiber based Fabry-Perot interferometers. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 4489-4495	4	3
244	High spatial-density, cladding-pumped 6-mode 7-core fiber amplifier for C-band operation. <i>Optics Express</i> , <b>2021</b> , 29, 30675-30681	3.3	3
243	Hollow-Core NANF for High-Speed Short-Reach Transmission in the S+C+L-Bands. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 6167-6174	4	3
242	ML-Assisted Equalization for 50-Gb/s/D-Band CWDM Transmission Over 100-km SMF. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2022</b> , 28, 1-10	3.8	3
241	High-power, high-efficiency, all-fiberized-laser-pumped, 260-nm, deep-UV laser for bacterial deactivation. <i>Optics Express</i> , <b>2021</b> , 29, 42485	3.3	3
240	Exploring nonlinear pulse propagation, Raman frequency conversion and near octave spanning supercontinuum generation in atmospheric air-filled hollow-core KagomíFiber <b>2017,</b>		2
239	Amplification of 12 OAM States in an Air-Core EDF <b>2015,</b>		2

238	Recent Progress in the Development of Few Mode Fiber Amplifiers <b>2015,</b>	2
237	. <i>IEEE Photonics Technology Letters</i> , <b>2020, 32, 795-798</b>	2.2 2
236	Novel hollow core fibers for ultra-high power delivery <b>2017,</b>	2
235	Novel fibre lasers as excitation sources for photoacoustic tomography and microscopy <b>2016,</b>	2
234	Long Length Fibre Fabry-Perot Interferometers and their Applications in Fibre Characterization and Temperature Sensing <b>2019,</b>	2
233	Signal Regeneration Techniques for Advanced Modulation Formats <b>2014,</b>	2
232	100 MDM Transmission over 24 km of Ring-Core Fibre using Mode Selective Photonic Lanterns and Sparse Equalization <b>2017,</b>	2
231	In-service Crosstalk Monitoring for Dense Space Division Multiplexed Multi-core Fiber Transmission Systems <b>2017,</b>	2
230	Phase and amplitude regeneration through sequential PSA and FWM saturation in HNLF <b>2015,</b>	2
229	All-Fiber Spatial Mode Selective Filter for Compensating Mode Dependent Loss in MDM Transmission Systems <b>2015,</b>	2
228	On the role of signal-pump ratio in FWM-based phase preserving amplitude regeneration <b>2015,</b>	2
227	Few-Mode TDFA for Mode Division Multiplexing at 2µm <b>2014,</b>	2
226	Highly Nonlinear Tellurite Glass Fiber for Broadband Applications <b>2014,</b>	2
225	Modal Gain Control in a Multimode Erbium Doped Fiber Amplifier Incorporating Ring Doping <b>2012,</b>	2
224	New Developments in Tellurite Glass Fibers <b>2013,</b>	2
223	LMA effectively single-mode thulium doped fibre with normal dispersion at wavelengths around 2µm <b>2013,</b>	2
222	100GHz Grid-Aligned Reconfigurable Polarization Insensitive Black-Box Wavelength Converter <b>2013,</b>	2
221	Robust Low Loss Splicing of Hollow Core Photonic Bandgap Fiber to Itself <b>2013,</b>	2

220	Bend sensors based on periodically tapered soft glass fibers <b>2011</b> ,		2
219	Supercontinuum generation and nonlinearity in soft glass fibres 82-118		2
218	A single-mode, high index-contrast, lead silicate glass fibre with high nonlinearity, broadband near-zero dispersion at telecommunication wavelengths <b>2010</b> ,		2
217	Elimination of the chirp of optical pulses through cascaded nonlinearities in periodically poled lithium niobate waveguides. <i>Optics Letters</i> , <b>2010</b> , 35, 3724-6	3	2
216	Phase locking and carrier extraction schemes for phase sensitive amplification <b>2010</b> ,		2
215	Generation of ultra-high repetition rate pulses in a highly nonlinear dispersion-tailored compound glass fibre <b>2010</b> ,		2
214	Externally modulated diode-seeded Yb <sup>3+</sup> -doped fiber MOPA pumped high power optical parametric oscillator <b>2009</b> ,		2
213	Multi-wavelength all-optical regeneration techniques <b>2009</b> ,		2
212	Generation of compressed optical pulses beyond 160 GHz based on two injection-locked CW lasers <b>2010</b> ,		2
211	Wavelength-swept fiber laser with frequency-shifted feedback		2
210	2R regeneration architectures based on multi-segmented fibres <b>2008</b> ,		2
209	Efficient higher-order mode filtering in multimode optical fiber based on an optical microwire <b>2008</b> ,		2
208	Investigation of Timing Jitter Reduction in a bidirectional 2R All-Optical Mamyshev Regenerator <b>2008</b> ,		2
207	Distributed-Phase OCDMA Encoder/Decoders Based on Fiber Bragg Gratings. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 574-576	2.2	2
206	Low Walk-Off Kerr-Shutter Using a Dispersion-Shifted Lead Silicate Holey Fiber. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 1112-1114	2.2	2
205	80 W green laser based on a frequency-doubled picosecond, single-mode, linearly-polarized fiber laser <b>2006</b> ,		2
204	Reconfigurable all-optical packet switching based on fiber Bragg gratings <b>2006</b> ,		2
203	Comparison of Mode Properties of 7 and 19 Cells Core Hollow-Core Photonic Crystal Fibers <b>2007</b> ,		2

202	Self-Phase Modulation-based 2R optical regenerator for the simultaneous processing of two WDM channels <b>2007</b> ,		2
201	Delay-gain decoupling in Brillouin-assisted slow light. <i>Optics Letters</i> , <b>2007</b> , 32, 2701-3	3	2
200	A Reconfigurable Optical Header Recognition System for Optical Packet Routing Applications. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 2395-2397	2.2	2
199	Cascaded-chi(2)-interaction-based frequency-resolved optical gating in a periodically poled LiNbO3 waveguide. <i>Optics Letters</i> , <b>2006</b> , 31, 244-6	3	2
198	Erbium Doped Holey Fiber Devices <b>2004</b> , OMD4		2
197	Intensity noise reduction of incoherent light using semiconductor optical amplifiers		2
196	Microstructured fibers for high power applications <b>2005</b> ,		2
195	Improving bending losses in holey fibers <b>2005</b> ,		2
194	The light-induced structural phase transition in confining gallium and its photonic applications. <i>Journal of Luminescence</i> , <b>2000</b> , 87-89, 646-648	3.8	2
193	A 4-channel WDM/OCDMA system incorporating 255-chip, 320 Gchip/s quaternary phase coding and decoding gratings		2
192	Multi-mJ, multi-watt Q-switched fiber laser		2
191	Hollow-core fiber delivery of broadband mid-infrared light for remote spectroscopy.. <i>Optics Express</i> , <b>2022</b> , 30, 7044-7052	3.3	2
190	High-brightness 210 $\mu$ W pulsed Raman fiber source <b>2008</b> ,		2
189	Recent breakthroughs in hollow core fiber technology <b>2020</b> ,		2
188	Detailed phase matching characterization of inter-modal four-wave mixing in a two-mode fiber <b>2016</b> ,		2
187	Flat, Broadband Supercontinuum Generation at Low Pulse Energies in a Dispersion-Tailored Lead-Silicate Fibre <b>2011</b> ,		2
186	Multichannel Wavelength Conversion of 40Gbit/s NRZ DPSK Signals in a Highly Nonlinear Dispersion Flattened Lead Silicate Fibre <b>2010</b> ,		2
185	Detailed study of modal gain in a multimode EDFA supporting LP01 and LP11 mode group amplification <b>2012</b> ,		2

184	Accurate Loss and Surface Mode Modeling in Fabricated Hollow-Core Photonic Bandgap Fibers <b>2014,</b>	2
183	Ultra-high Capacity Transmission with Few-mode Silica and Hollow-core Photonic Bandgap Fibers <b>2014,</b>	2
182	52.6 Gbit/s Single-Channel Directly-Modulated Optical Transmitter for 2- $\mu$ m Spectral Region <b>2015,</b>	2
181	Mitigating Spectral Leakage and Sampling Errors in Spatial and Spectral (S2) Imaging <b>2015,</b>	2
180	Optical Injection Locking for Carrier Phase Recovery and Regeneration <b>2017,</b>	2
179	All-fiber optical interconnection for dissimilar multicore fibers with low insertion loss <b>2017,</b>	2
178	Ultra-short wavelength operation of a thulium doped fiber laser in the 1620-1660nm wavelength band <b>2018,</b>	2
177	Enabling component technologies for space division multiplexing <b>2018,</b>	2
176	Hollow core fiber Fabry-Perot interferometers with finesse over 3000 <b>2020,</b>	2
175	A highly nonlinear holey fiber and its application in a regenerative optical switch <b>2001,</b>	2
174	High performance, 64-chip, 160 Gchip/s fiber grating based OCDMA receiver incorporating a nonlinear optical loop mirror	2
173	Designer pulses for precise machining of silicon – A step towards photonic compositions <b>2012,</b>	2
172	Recent Breakthroughs in Hollow Core Fiber Technology <b>2021,</b>	2
171	Virtual Draw of Tubular Hollow-Core Fibers <b>2018,</b>	2
170	Comparative Investigations between SSMF and Hollow-core NANF for Transmission in the S+C+L-bands <b>2020,</b>	2
169	Assorted core air-clad fibre. <i>Electronics Letters</i> , <b>2000</b> , 36, 2065	1.1 2
168	Switching and passive mode-locking of fiber lasers using nonlinear loop mirrors (Invited Paper) <b>1992,</b>	2
167	Dispersion Decreasing Fibres for Soliton Generation and Transmission Line Loss Compensation. <i>Solid-state Science and Technology Library</i> , <b>1996</b> , 277-291	2

166	Nonlinearity Mitigation for Multi-channel 64-QAM Signals in a Deployed Fiber Link through Optical Phase Conjugation <b>2016,</b>		2
165	Optical Orbital Angular Momentum Amplifier based on an Air-Core Erbium Doped Fiber <b>2016,</b>		2
164	Record High Capacity (6.8 Tbit/s) WDM Coherent Transmission in Hollow-Core Antiresonant Fiber <b>2017,</b>		2
163	Phase-Encoded Signal Regeneration Exploiting Phase Sensitive Amplification <b>2011,</b>		2
162	Minimizing Differential Modal Gain in Cladding Pumped MM-EDFAs for Mode Division Multiplexing in C and L Bands <b>2014,</b>		2
161	Experimental characterization of an o-band bismuth-doped fiber amplifier. <i>Optics Express</i> , <b>2021</b> , 29, 15345-15355		2
160	4-Level Alternate-Mark-Inversion for Reach Extension in the O-Band Spectral Region. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 2847-2853	4	2
159	Detailed study of macrobending effects in a wide transmission bandwidth hollow-core photonic bandgap fiber <b>2016,</b>		2
158	In-line polarization controller for hollow core photonic bandgap fiber. <i>Optics Communications</i> , <b>2021</b> , 481, 126552	2	2
157	Broadband Study of Inter-Modal Bragg Scattering Four Wave Mixing in Multi-Mode Fibres <b>2018,</b>		2
156	Multi-wavelength fiber laser using a single multicore erbium doped fiber <b>2018,</b>		2
155	Spectral Difference Interferometry for the Characterization of Optical Media. <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1900007	8.3	1
154	All-Fiber Passive Alignment-Free Depolarizers Capable of Depolarizing Narrow Linewidth Signals. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 704-714	4	1
153	Silicon photonic Mach Zehnder modulators for next-generation short-reach optical communication networks <b>2016,</b>		1
152	All-optical Wavelength Conversion of Phase-encoded Signals in Silicon-rich Silicon Nitride Waveguides <b>2018,</b>		1
151	<b>2019,</b>		1
150	Novel fluid dynamics model to predict draw of hollow core photonic band-gap fibres <b>2014,</b>		1
149	All-Optical Regeneration of Phase Encoded Signals: Phase Sensitive Optical Regeneration <b>2013,</b> 589-639		1

148	Spontaneous Raman scattering in hollow core photonic crystal fibres <b>2017</b> ,		1
147	Crosstalk Analysis of 32-Core Dense Space Division Multiplexed System for Higher Order Modulation Formats Using an Integrated Cladding-Pumped Amplifier <b>2017</b> ,		1
146	Spectrally Efficient DMT Transmission over 40 km SMF Using an Electrically Packaged Silicon Photonic Intensity Modulator <b>2017</b> ,		1
145	Photonic bandgap fibres for low-latency data transmission <b>2015</b> ,		1
144	Compact higher-order mode converter based on all-fiber phase plate segment <b>2015</b> ,		1
143	PSA-based phase regeneration of DPSK signals in a silicon germanium waveguide <b>2015</b> ,		1
142	High dynamic range technique for discrete and distributed scattering loss measurement in microstructured optical fibres <b>2015</b> ,		1
141	Development of Low Loss, Wide Bandwidth Hollow Core Photonic Bandgap Fibers <b>2013</b> ,		1
140	Mode division multiplexing over 19-cell hollow-core photonic bandgap fibre by employing integrated mode multiplexer. <i>Electronics Letters</i> , <b>2014</b> , 50, 1227-1229	1.1	1
139	Towards real-time mode content characterization of multimode fibers <b>2014</b> ,		1
138	Up to 64QAM (30 Gbit/s) directly-modulated and directly-detected OFDM at 2 $\mu$ m wavelength <b>2014</b> ,		1
137	High sensitivity gas detection using Hollow Core Photonic Bandgap Fibres designed for mid-IR operation <b>2014</b> ,		1
136	Hollow Core Photonic Bandgap Fibers for Mid-IR Applications <b>2014</b> ,		1
135	Demonstration of real-time ethernet to reconfigurable superchannel data transport over elastic optical network <b>2014</b> ,		1
134	High sensitivity methane and ethane detection using low-loss mid-IR hollow-core photonic bandgap fibers <b>2014</b> ,		1
133	Modal gain equalization in a few moded Erbium-doped fiber amplifier <b>2012</b> ,		1
132	35 kW peak power picosecond pulsed thulium-doped fibre amplifier system seeded by a gain-switched laser diode at 2 $\mu$ m <b>2013</b> ,		1
131	20 x 960-Gb/s MDM-DP-32QAM transmission over 60km FMF with inline MM-EDFA <b>2013</b> ,		1

130	Thulium-doped Fiber Amplifier for Optical Communications at 2µm <b>2013,</b>	1
129	QAM Synthesis by Direct Modulation of Semiconductor Lasers under Injection Locking <b>2013,</b>	1
128	Optical fibre microwire sensors <b>2011,</b>	1
127	All-optical phase and amplitude regeneration properties of a 40Gbit/s DPSK black-box phase sensitive amplifier <b>2010,</b>	1
126	Applications of highly nonlinear dispersion tailored lead silicate fibres for high speed optical communications <b>2010,</b>	1
125	Phase sensitive amplifiers for regeneration of phase encoded optical signal formats <b>2011,</b>	1
124	Robust optical injection locking to a 250 MHz frequency comb without narrow-band optical pre-filtering <b>2011,</b>	1
123	Highly nonlinear non-silica glass microstructured optical fibers with near-zero dispersion and dispersion slope for 1.55µm applications <b>2009,</b>	1
122	Control of modal properties and modal effects in air guiding photonic bandgap fibres <b>2009,</b>	1
121	Efficient all-optical wavelength converter using saw-tooth pulses <b>2009,</b>	1
120	Visible and mid-IR output using a fibre laser pump source <b>2009,</b>	1
119	Highly efficient, high power, inband-pumped Erbium/Ytterbium-codoped fiber laser <b>2011,</b>	1
118	Reducing loss in practical single ring antiresonant hollow core fibres <b>2011,</b>	1
117	All-optical regeneration based on phase sensitive amplification <b>2011,</b>	1
116	Method to Visualise and Measure Individual Modes in a Few Moded Fibre <b>2012,</b>	1
115	Phase noise characterization of injection locked semiconductor lasers to a 250 MHz optical frequency comb <b>2012,</b>	1
114	High energy in-band pumped erbium doped pulse fibre laser <b>2012,</b>	1
113	Organic memory device with large conductance switching based on oxadiazole-containing polyether thin films <b>2009,</b>	1

112	Over 55W of frequency doubled light at 530 nm pumped by an all-fiber diffraction limited picosecond fibre MOPA <b>2010</b> ,		1
111	Experimental Investigation of Wide Bandwidth Single and Dual Pump non-Degenerate Phase Sensitive Amplifiers <b>2010</b> ,		1
110	Comment on the reported fiber attenuations in the visible regime in "Fabrication of glass photonic crystal fibers with a die-cast process". <i>Applied Optics</i> , <b>2008</b> , 47, 5078-80; discussion 5081	0.2	1
109	Timing jitter tolerant OTDM demultiplexing using a saw-tooth pulse shaper <b>2008</b> ,		1
108	Periodic Signal Processing Using a Brillouin Gain Comb <b>2008</b> ,		1
107	TDM-to-WDM conversion from 130 Gbit/s to 3 43 Gbit/s using XPM in a NOLM switch <b>2008</b> ,		1
106	An all-optical grooming switch to interconnect access and metro ring networks <b>2008</b> ,		1
105	Photonic bandgap fiber optical correlation spectroscopy gas sensor <b>2008</b> ,		1
104	Broadband supercontinuum using single-mode/dual-mode tellurite glass holey fibers with large mode area <b>2008</b> ,		1
103	Linear frequency resolved optical gating as a line monitoring tool <b>2006</b> ,		1
102	Novel fabrication method of highly-nonlinear silica holey fibres <b>2006</b> ,		1
101	Advances and limitations in the modeling of fabricated photonic bandgap fibers <b>2006</b> ,		1
100	Rapidly reconfigurable phase code generation and recognition using fiber Bragg gratings <b>2006</b> ,		1
99	Realistic designs of silica hollow-core bandgap fibers free of surface <b>2006</b> ,		1
98	Comparative study of spectrum-sliced incoherent light systems employing SOA-based noise suppression <b>2006</b> ,		1
97	High Average Power, High Energy, Femto-second Fiber Chirped Pulse Amplification System <b>2007</b> ,		1
96	High-power high-brightness green laser based on a frequency doubled picosecond fiber laser <b>2007</b> ,		1
95	Buried slab waveguides in LiNbO/sub 3/ nonlinear photonic crystals		1

94	Short pulse high power fiber laser systems <b>2005</b> ,		1
93	Advances in microstructured fiber technology <b>2005</b> ,		1
92	Errata to All-Optical Pulse Reshaping and Retiming Systems Incorporating Pulse Shaping Fiber Bragg Grating <i>Journal of Lightwave Technology</i> , <b>2006</b> , 24, 2963-2963	4	1
91	Opportunities in high-power fiber lasers <b>2006</b> ,		1
90	Proton-exchanged LiNbO <sub>3</sub> /sub 3/ waveguides for photonic applications		1
89	A tunable, femtosecond pulse source operating in the range 1.06-1.33 microns based on an Yb doped holey fiber amplifier <b>2001</b> ,		1
88	A practical, low-noise, stretched pulse Yb/sup 3+/ doped fiber laser <b>2001</b> ,		1
87	Holey fibers: fundamentals and applications <b>2002</b> ,		1
86	Confinement loss in highly nonlinear holey optical fibres <b>2002</b> ,		1
85	Introduction to the issue on novel and specialty fibers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2001</b> , 7, 401-402	3.8	1
84	Holey fibres: properties, applications and future directions <b>2001</b> ,		1
83	Efficient harmonic generation with large-mode-area fiber sources <b>1998</b> ,		1
82	A robust, large air fill fraction holey fibre <b>1999</b> ,		1
81	Broadband optical switching in confined gallium at milliwatt power levels		1
80	Nonlinearity in holey optical fibers: measurement and future opportunities-errata. <i>Optics Letters</i> , <b>1999</b> , 24, 1647	3	1
79	Measurement of group birefringence and dispersion of polarisation maintaining erbium-doped silica fibre. <i>Electronics Letters</i> , <b>1992</b> , 28, 2140	1.1	1
78	Widely tunable actively mode-locked Bi-doped fiber laser operating in the O-band. <i>IEEE Photonics Technology Letters</i> , <b>2022</b> , 1-1	2.2	1
77	All-Optical broadband phase noise emulation <b>2012</b> ,		1

76	Recent Advances in Highly Nonlinear Microstructured Optical Fibers and their Applications <b>2008,</b>	1
75	32 W of average power in 24-fs pulses from a passively mode-locked thin disk laser with nonlinear fiber compression <b>2005,</b>	1
74	Picosecond Fiber MOPA Pumped Supercontinuum Source With 39 W Output Power <b>2010,</b>	1
73	Single Polarization, High Energy Pulsed Fiber Laser from 200 $\mu\text{m}$ Core Yb-Doped Fiber <b>2016,</b>	1
72	S2 Measurement of Higher Order Mode Content in Low Loss Hypocycloid Kagom $\square$ Hollow Core Photonic Crystal Fiber <b>2016,</b>	1
71	First Investigation on Double- and Single-sideband Formats in BDFA-enabled O-band Transmission <b>2020,</b>	1
70	Experimental Characterization of Bismuth-Doped Fibre Amplifier: Electrical NF, PDG, and XGM <b>2020,</b>	1
69	Phase Sensitive Amplification in a Highly Nonlinear Lead-Silicate Fibre <b>2011,</b>	1
68	In-situ thermal/Brillouin characterization of a high-power fiber laser based on Brillouin optical time domain analysis <b>2008,</b>	1
67	Highly-efficient and low return-loss coupling of standard and antiresonant hollow-core fibers <b>2019,</b>	1
66	Dipole radiation model for surface roughness scattering in hollow-core fibers <b>2012,</b>	1
65	HexLN: A 2-Dimensional nonlinear photonic crystal <b>1999,</b>	1
64	Advances in Optical Signal Processing Based on Phase Sensitive Parametric Mixing <b>2012,</b>	1
63	The fabrication and modelling of non-silica microstructured optical fibres <b>2001,</b>	1
62	Phase-Sensitive Wavelength Conversion Based on Cascaded Quadratic Processes in Periodically Poled Lithium Niobate Waveguides <b>2011,</b>	1
61	Soft Glass Based Large Mode Area Photonic Bandgap Fibre for Mid-Infrared Applications <b>2011,</b>	1
60	Overcoming Electronic Limits to Optical Phase Measurements with an Optical Phase-only Amplifier <b>2012,</b>	1
59	30.7 Tb/s (96B20 Gb/s) DP-32QAM transmission over 19-cell Photonic Band Gap Fiber <b>2013,</b>	1

58	Nonlinear optical properties of ytterbium-doped tantalum pentoxide rib waveguides on silicon at telecom wavelengths <b>2016,</b>		1
57	Flexible Scheme for Measuring Chromatic Dispersion Based on Interference of Frequency Tones <b>2017,</b>		1
56	Anti-Resonant, Mid-Infrared Silica Hollow-Core Fiber <b>2020,</b>		1
55	Transmission of 61 C-band Channels with L-band Interferers over Record 618km of Hollow-Core-Fiber <b>2020,</b>		1
54	The thermal sensitivity of optical path length in standard single mode fibers down to cryogenic temperatures <b>2019,</b>		1
53	High Spatial Density 6-Mode 7-Core Multicore L-Band Fiber Amplifier <b>2019,</b>		1
52	AMI for Nonlinearity Mitigation in O-Band Transmission <b>2019,</b>		1
51	Broadband Bismuth-Doped Fiber Amplifier With a Record 115-nm Bandwidth in the O and E Bands <b>2020,</b>		1
50	Generation and Coherent Detection of 2- $\mu$ m-band WDM-QPSK Signals by On-chip Spectral Translation <b>2020,</b>		1
49	Pressure in As-drawn Hollow Core Fibers <b>2020,</b>		1
48	Optical Regeneration. <i>Springer Series in Optical Sciences</i> , <b>2015</b> , 129-155	0.5	1
47	Broadband Silica-Based Thulium Doped Fiber Amplifier Employing Dual-Wavelength Pumping <b>2016,</b>		1
46	Independent core attenuation control in multicore fibers by direct femtosecond laser inscription <b>2017,</b>		1
45	High peak power picosecond pulses from an all-fiber master oscillator power amplifier seeded by a 1.95 $\mu$ m gain-switched diode <b>2017,</b>		1
44	Generation of high repetition rate (>100 GHz) ultrastable pulse trains from a coherent optical beat-signal through nonlinear compression using a high SBS-threshold fiber <b>2010,</b>		1
43	Phase Noise and Jitter Characterization of Pulses Generated by Optical Injection Locking to an Optical Frequency Comb <b>2012,</b>		1
42	Homodyne Operation of a Phase-only Optical Amplifier <b>2012,</b>		1
41	Gas Absorption between 1.8 and 2.1 $\mu$ m in Low Loss (5.2 dB/km) HC-PBGF <b>2012,</b>		1

40	Practical issues and some lessons learned from realization of phase sensitive parametric regenerators <b>2012</b> ,		1
39	First Demonstration of a Low Loss 37-cell Hollow Core Photonic Bandgap Fiber and its Use for Data Transmission <b>2013</b> ,		1
38	Accurate Modelling of Hollow Core Photonic Bandgap Fibre <b>2014</b> ,		1
37	Generation of ~625nJ Pulses from a Mamyshev Oscillator with a few-mode LMA Yb-doped Fiber <b>2021</b> ,		1
36	Impact of Pressure-Induced Differential Refractive Index in Raman Spectroscopy using Hollow-Core Fibres <b>2021</b> ,		1
35	Compact chirped-pulse amplification systems based on highly Tm-doped germanate fiber. <i>Optics Letters</i> , <b>2021</b> , 46, 3013-3016	3	1
34	A Longitudinal Study of Power Relations in a British Olympic Sport Organization. <i>Journal of Sport Management</i> , <b>2021</b> , 35, 312-324	2.1	1
33	Cavity effect on phase noise of Fabry-Perot modulator-based optical frequency comb <b>2016</b> ,		1
32	Optoelectronic oscillator with low temperature induced frequency drift <b>2016</b> ,		1
31	Nonlinear control of coherent absorption and its optical signal processing applications. <i>APL Photonics</i> , <b>2019</b> , 4, 106109	5.2	1
30	Performance-enhanced Amplified O-band WDM Transmission using Machine Learning based Equalization <b>2021</b> ,		1
29	Widely-tunable synchronisation-free picosecond laser source for multimodal CARS, SHG, and two-photon microscopy. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 1010-1019	3.5	1
28	Fully integrated SDM amplifiers <b>2018</b> ,		1
27	Low-Latency WDM Intensity-Modulation and Direct-Detection Transmission Over >100 km Distances in a Hollow Core Fiber. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2100102	8.3	1
26	Thinly coated hollow core fiber for improved thermal phase-stability performance. <i>Optics Letters</i> , <b>2021</b> , 46, 5177-5180	3	1
25	Phase Preserving Amplitude Saturation Through Tone Synthesis Assisted Saturated Four-Wave Mixing. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 1817-1826	4	0
24	Analysis of the Dynamic Responses of SOA Wavelength Converters Using Linear Frequency Resolved Gating Technique. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 1079-1081	2.2	0
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