David J. Richardson

List of Publications by Year in Descending Order

903 papers	25,591 citations	78 h-index	131 g-index
1,269 ext. papers	32,205 ext. citations	3.4 avg, IF	7.03 L-index

#	Paper	IF	Citations
903	Widely tunable actively mode-locked Bi-doped fiber laser operating in the O-band. *IEEE Photonics Technology Letters*, **2022**, 1-1	2.2	1
902	Hollow-core fiber delivery of broadband mid-infrared light for remote spectroscopy.. *Optics Express* , **2022**, 30, 7044-7052	3.3	2
901	Broadband Mode Scramblers for Few-Mode Fibers Based on 3D Printed Mechanically Induced Long-Period Fiber Gratings. *IEEE Photonics Technology Letters*, **2022**, 34, 169-172	2.2	
900	ML-Assisted Equalization for 50-Gb/s/□D-Band CWDM Transmission Over 100-km SMF. *IEEE Journal of Selected Topics in Quantum Electronics*, **2022**, 28, 1-10	3.8	3
899	Hollow-core fiber Fabry-Perot interferometers with reduced sensitivity to temperature.. *Optics Letters*, **2022**, 47, 2510-2513	3	0
898	Ultra-Long-Haul WDM Transmission in a Reduced Inter-Modal Interference NANF Hollow-Core Fiber **2021**,		3
897	Hollow Core NANFs with Five Nested Tubes and Record Low Loss at 850, 1060, 1300 and 1625nm **2021**,		3
896	The generation of femtosecond optical vortex beams with megawatt powers directly from a fiber based Mamyshev oscillator. *Nanophotonics*, **2021**,	6.3	8
895	Recent Breakthroughs in Hollow Core Fiber Technology **2021**,		2
894	. *Journal of Lightwave Technology*, **2021**, 39, 1458-1463	4	3
893	Optical Fiber Delay Lines in Microwave Photonics: Sensitivity to Temperature and Means to Reduce it. *Journal of Lightwave Technology*, **2021**, 39, 2311-2318	4	3
892	High-power, electronically controlled source of user-defined vortex and vector light beams based on a few-mode fiber amplifier. *Photonics Research*, **2021**, 9, 856	6	4
891	Polarization Effects on Thermally Stable Latency in Hollow-Core Photonic Bandgap Fibers. *Journal of Lightwave Technology*, **2021**, 39, 2142-2150	4	0
890	Low loss and high performance interconnection between standard single-mode fiber and antiresonant hollow-core fiber. *Scientific Reports*, **2021**, 11, 8799	4.9	9
889	Real-world evidence: Patient views on asthma in respiratory specialist clinics in America. *Annals of Allergy, Asthma and Immunology*, **2021**, 126, 385-393.e2	3.2	3
888	Experimental characterization of an o-band bismuth-doped fiber amplifier. *Optics Express*, **2021**, 29, 15345-15355	3.5	2
887	Numerical and experimental study on the impact of chromatic dispersion on O-band direct-detection transmission. *Applied Optics*, **2021**, 60, 4383-4390	1.7	3

886	4-Level Alternate-Mark-Inversion for Reach Extension in the O-Band Spectral Region. *Journal of Lightwave Technology*, **2021**, 39, 2847-2853	4	2
885	Generation of ~625nJ Pulses from a Mamyshev Oscillator with a few-mode LMA Yb-doped Fiber **2021**,		1
884	Gas-induced differential refractive index enhanced guidance in hollow-core optical fibers. *Optica*, **2021**, 8, 916	8.6	4
883	Wideband and Low-Loss Mode Scrambler for Few-Mode Fibers Based on Distributed Multiple Point-Loads. *IEEE Photonics Journal*, **2021**, 13, 1-7	1.8	0
882	Impact of Pressure-Induced Differential Refractive Index in Raman Spectroscopy using Hollow-Core Fibres **2021**,		1
881	Compact chirped-pulse amplification systems based on highly Tm-doped germanate fiber. *Optics Letters*, **2021**, 46, 3013-3016	3	1
880	A Longitudinal Study of Power Relations in a British Olympic Sport Organization. *Journal of Sport Management*, **2021**, 35, 312-324	2.1	1
879	In-line polarization controller for hollow core photonic bandgap fiber. *Optics Communications*, **2021**, 481, 126552	2	2
878	Performance-enhanced Amplified O-band WDM Transmission using Machine Learning based Equalization **2021**,		1
877	Widely-tunable synchronisation-free picosecond laser source for multimodal CARS, SHG, and two-photon microscopy. *Biomedical Optics Express*, **2021**, 12, 1010-1019	3.5	1
876	Ultra-Broadband Bismuth-Doped Fiber Amplifier Covering a 115-nm Bandwidth in the O and E Bands. *Journal of Lightwave Technology*, **2021**, 39, 795-800	4	16
875	Transmission of 61 C-Band Channels Over Record Distance of Hollow-Core-Fiber With L-Band Interferers. *Journal of Lightwave Technology*, **2021**, 39, 813-820	4	10
874	Backscattering in antiresonant hollow-core fibers: over 40 dB lower than in standard optical fibers. *Optica*, **2021**, 8, 216	8.6	8
873	Finesse Limits in Hollow Core Fiber based Fabry-Perot interferometers. *Journal of Lightwave Technology*, **2021**, 39, 4489-4495	4	3
872	Low-Latency WDM Intensity-Modulation and Direct-Detection Transmission Over >100 km Distances in a Hollow Core Fiber. *Laser and Photonics Reviews*, **2021**, 15, 2100102	8.3	1
871	High spatial-density, cladding-pumped 6-mode 7-core fiber amplifier for C-band operation. *Optics Express*, **2021**, 29, 30675-30681	3.3	3
870	Thinly coated hollow core fiber for improved thermal phase-stability performance. *Optics Letters*, **2021**, 46, 5177-5180	3	1
869	Hollow-Core NANF for High-Speed Short-Reach Transmission in the S+C+L-Bands. *Journal of Lightwave Technology*, **2021**, 39, 6167-6174	4	3

868	All-fiber saturable absorber based on nonlinear multimode interference with enhanced modulation depth. *Applied Optics*, **2021**, 60, 9007-9011	1.7	
867	High-power, high-efficiency, all-fiberized-laser-pumped, 260-nm, deep-UV laser for bacterial deactivation. *Optics Express*, **2021**, 29, 42485	3.3	3
866	Polarization Stable Hollow Core Fiber Interferometer With Faraday Rotator Mirrors. *IEEE Photonics Technology Letters*, **2021**, 33, 1503-1506	2.2	
865	Multimodal spectral focusing CARS and SFG microscopy with a tailored coherent continuum from a microstructured fiber. *Applied Physics B: Lasers and Optics*, **2020**, 126, 1	1.9	14
864	Low Thermal Sensitivity Hollow Core Fiber for Optically-Switched Data Centers. *Journal of Lightwave Technology*, **2020**, 38, 2703-2709	4	5
863	Phase Preserving Amplitude Saturation Through Tone Synthesis Assisted Saturated Four-Wave Mixing. *Journal of Lightwave Technology*, **2020**, 38, 1817-1826	4	0
862	. *IEEE Photonics Technology Letters*, **2020**, 32, 795-798	2.2	2
861	Long-Length and Thermally Stable High-Finesse Fabry-Perot Interferometers Made of Hollow Core Optical Fiber. *Journal of Lightwave Technology*, **2020**, 38, 2423-2427	4	8
860	Multi-Band Direct-Detection Transmission Over an Ultrawide Bandwidth Hollow-Core NANF. *Journal of Lightwave Technology*, **2020**, 38, 2849-2857	4	10
859	High Spatial Density 6-Mode 7-Core Fiber Amplifier for L-Band Operation. *Journal of Lightwave Technology*, **2020**, 38, 2938-2943	4	13
858	Recent breakthroughs in hollow core fiber technology **2020**,		2
857	First Investigation on Double- and Single-sideband Formats in BDFA-enabled O-band Transmission **2020**,		1
856	Experimental Characterization of Bismuth-Doped Fibre Amplifier: Electrical NF, PDG, and XGM **2020**,		1
855	Compact micro-optic based components for hollow core fibers. *Optics Express*, **2020**, 28, 1518-1525	3.3	5
854	High-average-power picosecond mid-infrared OP-GaAs OPO. *Optics Express*, **2020**, 28, 5741-5748	3.3	10
853	Extruded tellurite antiresonant hollow core fiber for Mid-IR operation. *Optics Express*, **2020**, 28, 16542-16553	3.3	13
852	Adiabatic higher-order mode microfibers based on a logarithmic index profile. *Optics Express*, **2020**, 28, 19126-19132	3.3	6
851	High pulse energy fibre laser as an excitation source for photoacoustic tomography. *Optics Express*, **2020**, 28, 34255-34265	3.3	3

850	Controllable duration and repetition-rate picosecond pulses from a high-average-power OP-GaAs OPO. *Optics Express*, **2020**, 28, 32540-32548	3.3	5
849	Hollow Core NANF with 0.28 dB/km Attenuation in the C and L Bands **2020**,		27
848	Ultra-low NA step-index large mode area Yb-doped fiber with a germanium doped cladding for high power pulse amplification. *Optics Letters*, **2020**, 45, 3828-3831	3	8
847	Anti-Resonant, Mid-Infrared Silica Hollow-Core Fiber **2020**,		1
846	Hollow core fiber Fabry-Perot interferometers with finesse over 3000 **2020**,		2
845	Transmission of 61 C-band Channels with L-band Interferers over Record 618km of Hollow-Core-Fiber **2020**,		1
844	Compact picosecond mid-IR PPLN OPO in burst-mode operation. *EPJ Web of Conferences*, **2020**, 243, 18004	0.3	
843	Compact picosecond mid-IR PPLN OPO with controllable peak powers. *OSA Continuum*, **2020**, 3, 2741	1.4	
842	Broadband Bismuth-Doped Fiber Amplifier With a Record 115-nm Bandwidth in the O and E Bands **2020**,		1
841	Comparative Investigations between SSMF and Hollow-core NANF for Transmission in the S+C+L-bands **2020**,		2
840	Generation and Coherent Detection of 2-μm-band WDM-QPSK Signals by On-chip Spectral Translation **2020**,		1
839	Pressure in As-drawn Hollow Core Fibers **2020**,		1
838	Multicore and multimode optical amplifiers for space division multiplexing **2020**, 301-333		5
837	Interband Short Reach Data Transmission in Ultrawide Bandwidth Hollow Core Fiber. *Journal of Lightwave Technology*, **2020**, 38, 159-165	4	21
836	Experimental Demonstration of Dual O+C-Band WDM Transmission Over 50-km SSMF With Direct Detection. *Journal of Lightwave Technology*, **2020**, 38, 2278-2284	4	10
835	The Thermal Phase Sensitivity of Both Coated and Uncoated Standard and Hollow Core Fibers Down to Cryogenic Temperatures. *Journal of Lightwave Technology*, **2020**, 38, 2477-2484	4	5
834	Tunable CW Bi-Doped Fiber Laser System From 1320 to 1370 nm Using a Fiber Bragg Grating. *IEEE Photonics Technology Letters*, **2020**, 32, 1443-1446	2.2	0
833	Reconfigurable structured light generation in a multicore fibre amplifier. *Nature Communications*, **2020**, 11, 3986	17.4	22

832	Spectral Difference Interferometry for the Characterization of Optical Media. *Laser and Photonics Reviews*, **2019**, 13, 1900007	8.3	1
831	Cryptography in coherent optical information networks using dissipative metamaterial gates. *APL Photonics*, **2019**, 4, 046102	5.2	6
830	Intermodal Bragg-Scattering Four Wave Mixing in Silicon Waveguides. *Journal of Lightwave Technology*, **2019**, 37, 1680-1685	4	5
829	Low-Loss and Low-Back-Reflection Hollow-Core to Standard Fiber Interconnection. *IEEE Photonics Technology Letters*, **2019**, 31, 723-726	2.2	10
828	WDM Transmission With In-Line Amplification at 1.3Ɱh Using a Bi-Doped Fiber Amplifier. *Journal of Lightwave Technology*, **2019**, 37, 1826-1830	4	19
827	All-Fiber Passive Alignment-Free Depolarizers Capable of Depolarizing Narrow Linewidth Signals. *Journal of Lightwave Technology*, **2019**, 37, 704-714	4	1
826	Fibre-optic based particle sensing via deep learning. *JPhys Photonics*, **2019**, 1, 044004	2.5	8
825	Toward High Accuracy Positioning in 5G via Passive Synchronization of Base Stations Using Thermally-Insensitive Optical Fibers. *IEEE Access*, **2019**, 7, 113197-113205	3.5	3
824	Long Length Fibre Fabry-Perot Interferometers and their Applications in Fibre Characterization and Temperature Sensing **2019**,		2
823	**2019**,		1
822	Highly-efficient and low return-loss coupling of standard and antiresonant hollow-core fibers **2019**,		1
821	Fabrication of tubular anti-resonant hollow core fibers: modelling, draw dynamics and process optimization. *Optics Express*, **2019**, 27, 20567-20582	3.3	22
820	Selective wavelength conversion in a few-mode fiber. *Optics Express*, **2019**, 27, 24072-24081	3.3	4
819	Ultra-short wavelength operation of thulium-doped fiber amplifiers and lasers. *Optics Express*, **2019**, 27, 36699-36707	3.3	12
818	Compact, high repetition rate, 4.2 MW peak power, 1925 nm, thulium-doped fiber chirped-pulse amplification system with dissipative soliton seed laser. *Optics Express*, **2019**, 27, 36741-36749	3.3	8
817	High gain Bi-doped all fiber amplifier for O-band DWDM optical fiber communication **2019**,		4
816	Novel Antiresonant Hollow Core Fiber Design with Ultralow Leakage Loss Using Transverse Power Flow Analysis **2019**,		6
815	Ultrawide Bandwidth Hollow Core Fiber for Interband Short Reach Data Transmission **2019**,		7

814	Channel Selective Wavelength Conversion by Means of Inter Modal Four Wave Mixing **2019**,		3
813	40 dB gain all fiber bismuth-doped amplifier operating in the O-band. *Optics Letters*, **2019**, 44, 2248-2251	3	19
812	High-beam-quality, watt-level, widely tunable, mid-infrared OP-GaAs optical parametric oscillator. *Optics Letters*, **2019**, 44, 2744	3	5
811	Temperature insensitive fiber interferometry. *Optics Letters*, **2019**, 44, 2768	3	9
810	Study on the temperature dependent characteristics of O-band bismuth-doped fiber amplifier. *Optics Letters*, **2019**, 44, 5650-5653	3	5
809	Highly efficient Tm3+ doped germanate large mode area single mode fiber laser. *Optical Materials Express*, **2019**, 9, 4115	2.6	9
808	PAM4 transmission over 360 km of fibre using optical phase conjugation. *OSA Continuum*, **2019**, 2, 973	1.4	5
807	Intermodal frequency generation in silicon-rich silicon nitride waveguides. *Photonics Research*, **2019**, 7, 615	6	7
806	The thermal sensitivity of optical path length in standard single mode fibers down to cryogenic temperatures **2019**,		1
805	High Spatial Density 6-Mode 7-Core Multicore L-Band Fiber Amplifier **2019**,		1
804	Optical Amplifiers for Mode Division Multiplexing **2019**, 849-873		
803	AMI for Nonlinearity Mitigation in O-Band Transmission **2019**,		1
802	Demonstration of opposing thermal sensitivities in hollow-core fibers with open and sealed ends. *Optics Letters*, **2019**, 44, 4367-4370	3	6
801	Bandwidth enhancement of inter-modal four wave mixing Bragg scattering by means of dispersion engineering. *APL Photonics*, **2019**, 4, 022902	5.2	14
800	Nonlinear control of coherent absorption and its optical signal processing applications. *APL Photonics*, **2019**, 4, 106109	5.2	1
799	Fully integrated optical isolators for space division multiplexed (SDM) transmission. *APL Photonics*, **2019**, 4, 022801	5.2	8
798	. *Journal of Lightwave Technology*, **2019**, 37, 909-916	4	16
797	Lotus-Shaped Negative Curvature Hollow Core Fiber With 10.5 dB/km at 1550 nm Wavelength. *Journal of Lightwave Technology*, **2018**, 36, 1213-1219	4	16

796	Widely Tunable, Narrow-Linewidth, High-Peak-Power, Picosecond Midinfrared Optical Parametric Amplifier. *IEEE Journal of Selected Topics in Quantum Electronics*, **2018**, 24, 1-6	3.8	5
795	Demonstration of Single-Mode Multicore Fiber Transport Network With Crosstalk-Aware In-Service Optical Path Control. *Journal of Lightwave Technology*, **2018**, 36, 1451-1457	4	8
794	Fibre-optic metadevice for all-optical signal modulation based on coherent absorption. *Nature Communications*, **2018**, 9, 182	17.4	48
793	Highly efficient frequency doubling and quadrupling of a short-pulsed thulium fiber laser. *Applied Physics B: Lasers and Optics*, **2018**, 124, 59	1.9	3
792	15 $times$ 200 Gbit/s 16-QAM SDM Transmission Over an Integrated 7-Core Cladding-Pumped Repeatered Multicore Link in a Recirculating Loop. *Journal of Lightwave Technology*, **2018**, 36, 349-354	4	6
791	295-kW peak power picosecond pulses from a thulium-doped-fiber MOPA and the generation of watt-level >2.5-octave supercontinuum extending up to 5 Ɓh. *Optics Express*, **2018**, 26, 6490-6498	3.3	20
790	Frequency comb generation in a silicon ring resonator modulator. *Optics Express*, **2018**, 26, 790-796	3.3	35
789	Point-by-point femtosecond laser micro-processing of independent core-specific fiber Bragg gratings in a multi-core fiber. *Optics Express*, **2018**, 26, 2039-2044	3.3	18
788	Nonlinear dynamic of picosecond pulse propagation in atmospheric air-filled hollow core fibers. *Optics Express*, **2018**, 26, 8866-8882	3.3	10
787	Picosecond all-optical switching and dark pulse generation in a fibre-optic network using a plasmonic metamaterial absorber. *Applied Physics Letters*, **2018**, 113, 051103	3.4	10
786	All-optical Wavelength Conversion of Phase-encoded Signals in Silicon-rich Silicon Nitride Waveguides **2018**,		1
785	Optical Injection-Locked Directly Modulated Lasers for Dispersion Pre-Compensated Direct-Detection Transmission. *Journal of Lightwave Technology*, **2018**, 36, 4967-4974	4	6
784	Ultrafast laser-scanning optical resolution photoacoustic microscopy at up to 2 million A-lines per second. *Journal of Biomedical Optics*, **2018**, 23, 1	3.5	14
783	Ultra-short wavelength operation of a thulium doped fiber laser in the 1620-1660nm wavelength band **2018**,		2
782	Enabling component technologies for space division multiplexing **2018**,		2
781	Optical Phase Conjugation in Installed Optical Networks **2018**,		3
780	106 W, picosecond Yb-doped fiber MOPA system with a radially polarized output beam. *Optics Letters*, **2018**, 43, 4957-4960	3	24
779	Virtual Draw of Tubular Hollow-Core Fibers **2018**,		2

778	Pulse energy packing effects on material transport during laser processing of () silicon. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	0
777	Hollow-core fibres for temperature-insensitive fibre optics and its demonstration in an Optoelectronic oscillator. *Scientific Reports*, **2018**, 8, 18015	4.9	7
776	Fully integrated SDM amplifiers **2018**,		1
775	Broadband Study of Inter-Modal Bragg Scattering Four Wave Mixing in Multi-Mode Fibres **2018**,		2
774	Laser frequency stabilization and spectroscopy at 2051 nm using a compact CO-filled Kagome hollow core fiber gas-cell system. *Optics Express*, **2018**, 26, 28621-28633	3.3	5
773	Photonic lantern broadband orbital angular momentum mode multiplexer. *Optics Express*, **2018**, 26, 30042-30051	3.3	26
772	Record Low-Loss 1.3dB/km Data Transmitting Antiresonant Hollow Core Fibre **2018**,		16
771	Amplified O-Band WDM Transmission Using a Bi-Doped Fibre Amplifier **2018**,		7
770	Multi-wavelength fiber laser using a single multicore erbium doped fiber **2018**,		2
769	Optical Amplifiers for Mode Division Multiplexing **2018**, 1-25		0
768	Polarization-Insensitive Four-Wave-Mixing-Based Wavelength Conversion in Few-Mode Optical Fibers. *Journal of Lightwave Technology*, **2018**, 36, 3678-3683	4	11
767	A Tuneable Multi-Core to Single Mode Fiber Coupler. *IEEE Photonics Technology Letters*, **2017**, 29, 591-594	2.2	6
766	. *Journal of Lightwave Technology*, **2017**, 35, 1363-1368	4	48
765	Optical Orbital Angular Momentum Amplifier Based on an Air-Hole Erbium-Doped Fiber. *Journal of Lightwave Technology*, **2017**, 35, 430-436	4	35
764	Optical Predistortion Enabling Phase Preservation in Optical Signal Processing Demonstrated in FWM-Based Amplitude Limiter. *Journal of Lightwave Technology*, **2017**, 35, 963-970	4	5
763	Efficient high-harmonic generation from a stable and compact ultrafast Yb-fiber laser producing 100 , 350 fs pulses based on bendable photonic crystal fiber. *Applied Physics B: Lasers and Optics*, **2017**, 123, 43	1.9	13
762	Exploring nonlinear pulse propagation, Raman frequency conversion and near octave spanning supercontinuum generation in atmospheric air-filled hollow-core Kagom fiber **2017**,		2
761	Long-Haul Dense Space-Division Multiplexed Transmission Over Low-Crosstalk Heterogeneous 32-Core Transmission Line Using a Partial Recirculating Loop System. *Journal of Lightwave Technology*, **2017**, 35, 488-498	4	37

760	Antiresonant Hollow Core Fiber With an Octave Spanning Bandwidth for Short Haul Data Communications. *Journal of Lightwave Technology*, **2017**, 35, 437-442	4	58
759	Elliptical Core Few Mode Fibers for Multiple-Input Multiple Output-Free Space Division Multiplexing Transmission. *IEEE Photonics Technology Letters*, **2017**, 29, 1764-1767	2.2	22
758	Thulium-fiber-laser-pumped, high-peak-power, picosecond, mid-infrared orientation-patterned GaAs optical parametric generator and amplifier. *Optics Letters*, **2017**, 42, 4036-4039	3	11
757	C- to L- band Wavelength Conversion Enabled by Parametric Processes in a Few Mode Fiber **2017**,		4
756	Novel hollow core fibers for ultra-high power delivery **2017**,		2
755	Cavity-induced phase noise suppression in a Fabry-Perot modulator-based optical frequency comb. *Optics Letters*, **2017**, 42, 1536-1539	3	5
754	Ten gigabit per second optical transmissions at 1.98 μm in centimetre-long SiGe waveguides. *Electronics Letters*, **2017**, 53, 1213-1214	1.1	5
753	High-efficiency grating-couplers: demonstration of a new design strategy. *Scientific Reports*, **2017**, 7, 16670	4.9	75
752	Anisotropic Superattenuation of Capillary Waves on Driven Glass Interfaces. *Physical Review Letters* , **2017**, 119, 235501	7.4	5
751	Si-rich Silicon Nitride for Nonlinear Signal Processing Applications. *Scientific Reports*, **2017**, 7, 22	4.9	75
750	Mitigation of Nonlinear Effects on WDM QAM Signals Enabled by Optical Phase Conjugation With Efficient Bandwidth Utilization. *Journal of Lightwave Technology*, **2017**, 35, 971-978	4	33
749	Spontaneous Raman scattering in hollow core photonic crystal fibres **2017**,		1
748	10□10 MDM Transmission over 24 km of Ring-Core Fibre using Mode Selective Photonic Lanterns and Sparse Equalization **2017**,		2
747	Crosstalk Analysis of 32-Core Dense Space Division Multiplexed System for Higher Order Modulation Formats Using an Integrated Cladding-Pumped Amplifier **2017**,		1
746	Novel Fiber Design for Wideband Conversion and Amplification in Multimode Fibers **2017**,		4
745	Multicore Fibre Fan-In/Fan-Out Device using Fibre Optic Collimators **2017**,		4
744	**2017**,		3
743	Spectrally Efficient DMT Transmission over 40 km SMF Using an Electrically Packaged Silicon Photonic Intensity Modulator **2017**,		1

742	**2017**,		3
741	**2017**,		3
740	Power Consumption in Multi-core Fibre Networks **2017**,		3
739	Intermodal Four-Wave Mixing and Parametric Amplification in Kilometer-Long Multimode Fibers. *Journal of Lightwave Technology*, **2017**, 35, 5296-5305	4	18
738	100-Gb/s Transmission Over a 2520-km Integrated MCF System Using Cladding-Pumped Amplifiers. *IEEE Photonics Technology Letters*, **2017**, 29, 1187-1190	2.2	6
737	Full quadrature regeneration of QPSK signals using sequential phase sensitive amplification and parametric saturation. *Optics Express*, **2017**, 25, 696-705	3.3	16
736	Wavelength conversion of complex modulation formats in a compact SiGe waveguide. *Optics Express*, **2017**, 25, 3252-3258	3.3	9
735	32-core erbium/ytterbium-doped multicore fiber amplifier for next generation space-division multiplexed transmission system. *Optics Express*, **2017**, 25, 32887	3.3	31
734	All-optical mode and wavelength converter based on parametric processes in a three-mode fiber. *Optics Express*, **2017**, 25, 33602	3.3	22
733	Radially and azimuthally polarized nanosecond Yb-doped fiber MOPA system incorporating temporal shaping. *Optics Letters*, **2017**, 42, 1740-1743	3	5
732	Low-loss Kagome hollow-core fibers operating from the near- to the mid-IR. *Optics Letters*, **2017**, 42, 2571-2574	3	27
731	How to make the propagation time through an optical fiber fully insensitive to temperature variations. *Optica*, **2017**, 4, 659	8.6	25
730	Raman-shifted wavelength-selectable pulsed fiber laser with high repetition rate and high pulse energy in the visible. *Optics Express*, **2017**, 25, 351-356	3.3	11
729	All-optical mode-group multiplexed transmission over a graded-index ring-core fiber with single radial mode. *Optics Express*, **2017**, 25, 13773-13781	3.3	17
728	Demonstration of arbitrary temporal shaping of picosecond pulses in a radially polarized Yb-fiber MOPA with > 10 W average power. *Optics Express*, **2017**, 25, 15402-15413	3.3	3
727	49.6 Gb/s direct detection DMT transmission over 40 km single mode fibre using an electrically packaged silicon photonic modulator. *Optics Express*, **2017**, 25, 29798-29811	3.3	3
726	In-service Crosstalk Monitoring for Dense Space Division Multiplexed Multi-core Fiber Transmission Systems **2017**,		2
725	300-km Transmission of Dispersion Pre-compensated PAM4 Using Direct Modulation and Direct Detection **2017**,		5

724	Optical nonlinearity mitigation of 6 10 GBd polarization-division multiplexing 16 QAM signals in a field-installed transmission link **2017**,		3
723	Flexible Scheme for Measuring Chromatic Dispersion Based on Interference of Frequency Tones **2017**,		1
722	Optical Injection Locking for Carrier Phase Recovery and Regeneration **2017**,		2
721	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 **2017**,		49
720	Beam-Steering All-Optical Switch for Multi-Core Fibers **2017**,		13
719	Hollow Core Fibres and their Applications **2017**,		6
718	Annular Core Photonic Lantern OAM Mode Multiplexer **2017**,		5
717	All-fiber optical interconnection for dissimilar multicore fibers with low insertion loss **2017**,		2
716	Optoelectronic oscillator incorporating hollow-core photonic bandgap fiber. *Optics Letters*, **2017**, 42, 2647-2650	3	8
715	Independent core attenuation control in multicore fibers by direct femtosecond laser inscription **2017**,		1
714	MIMO-less Space Division Multiplexing Transmission over 1 km Elliptical Core Few Mode Fiber **2017** ,		4
713	High peak power picosecond pulses from an all-fiber master oscillator power amplifier seeded by a 1.95 h gain-switched diode **2017**,		1
712	Record High Capacity (6.8 Tbit/s) WDM Coherent Transmission in Hollow-Core Antiresonant Fiber **2017**,		2
711	Optimisation of amplitude limiters for phase preservation based on the exact solution to degenerate four-wave mixing. *Optics Express*, **2016**, 24, 2774-87	3.3	9
710	Dual hollow-core anti-resonant fibres **2016**,		3
709	Mode Coupling Effects in Ring-Core Fibers for Space-Division Multiplexing Systems. *Journal of Lightwave Technology*, **2016**, 34, 3365-3372	4	30
708	Silicon photonic Mach Zehnder modulators for next-generation short-reach optical communication networks **2016**,		1
707	Ultra-Compact Amorphous Silicon Waveguide for Wavelength Conversion. *IEEE Photonics Technology Letters*, **2016**, 28, 410-413	2.2	12

706	Real-Time Modal Analysis via Wavelength-Swept Spatial and Spectral (${S}^{2})$ Imaging. *IEEE Photonics Technology Letters*, **2016**, 1-1	2.2	
705	Novel fibre lasers as excitation sources for photoacoustic tomography and microscopy **2016**,		2
704	All-Optical Programmable Disaggregated Data Centre Network Realized by FPGA-Based Switch and Interface Card. *Journal of Lightwave Technology*, **2016**, 34, 1925-1932	4	22
703	Multi-kilometer Long, Longitudinally Uniform Hollow Core Photonic Bandgap Fibers for Broadband Low Latency Data Transmission. *Journal of Lightwave Technology*, **2016**, 34, 104-113	4	48
702	Polarization Insensitive Wavelength Conversion in a Low-Birefringence SiGe Waveguide. *IEEE Photonics Technology Letters*, **2016**, 28, 1221-1224	2.2	7
701	Multi-Channel Phase Regenerator Based on Polarization-Assisted Phase-Sensitive Amplification. *IEEE Photonics Technology Letters*, **2016**, 28, 845-848	2.2	10
700	40 Gb/s WDM Transmission Over 1.15-km HC-PBGF Using an InP-Based Mach-Zehnder Modulator at 2 □m. *Journal of Lightwave Technology*, **2016**, 34, 1706-1711	4	18
699	New optical fibres for high-capacity optical communications. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2016**, 374,	3	35
698	Current status of few mode fiber amplifiers for spatial division multiplexed transmission. *Journal of Optics (India)*, **2016**, 45, 275-284	1.3	6
697	Detailed phase matching characterization of inter-modal four-wave mixing in a two-mode fiber **2016**,		2
696	Single Polarization, High Energy Pulsed Fiber Laser from 200 □m Core Yb-Doped Fiber **2016**,		1
695	S2 Measurement of Higher Order Mode Content in Low Loss Hypocycloid Kagom□Hollow Core Photonic Crystal Fiber **2016**,		1
694	Silica-Based Thulium Doped Fiber Amplifiers for Wavelengths beyond the L-band **2016**,		5
693	Antiresonant Hollow Core Fiber with Octave Spanning Bandwidth for Short Haul Data Communications **2016**,		8
692	32-core Dense SDM Unidirectional Transmission of PDM-16QAM Signals Over 1600 km Using Crosstalk-managed Single-mode Heterogeneous Multicore Transmission Line **2016**,		35
691	Compact few-mode fiber collimator and associated optical components for mode division multiplexed transmission **2016**,		6
690	All-optical Mode-Group Division Multiplexing Over a Graded-Index Ring-Core Fiber with Single Radial Mode **2016**,		15
689	Nonlinear optical properties of ytterbium-doped tantalum pentoxide rib waveguides on silicon at telecom wavelengths **2016**,		1

688	Nondestructive measurement of the roughness of the inner surface of hollow core-photonic bandgap fibers. *Optics Letters*, **2016**, 41, 5086-5089	3	5
687	InP-based Optical Comb-locked Tunable Transmitter **2016**,		7
686	Nonlinearity Mitigation for Multi-channel 64-QAM Signals in a Deployed Fiber Link through Optical Phase Conjugation **2016**,		2
685	Optical Orbital Angular Momentum Amplifier based on an Air-Core Erbium Doped Fiber **2016**,		2
684	Broadband Silica-Based Thulium Doped Fiber Amplifier Employing Dual-Wavelength Pumping **2016**,		1
683	Simplified Impulse Response Characterization for Mode Division Multiplexed Systems **2016**,		5
682	Modal content in hypocycloid Kagomé hollow core photonic crystal fibers. *Optics Express*, **2016**, 24, 15798-3812	3.3	13
681	Broadband high birefringence and polarizing hollow core antiresonant fibers. *Optics Express*, **2016**, 24, 22943-22958	3.3	45
680	Broadband silica-based thulium doped fiber amplifier employing multi-wavelength pumping. *Optics Express*, **2016**, 24, 23001-23008	3.3	10
679	Inter-modal four-wave mixing study in a two-mode fiber. *Optics Express*, **2016**, 24, 30338-30349	3.3	46
678	Detailed study of macrobending effects in a wide transmission bandwidth hollow-core photonic bandgap fiber **2016**,		2
677	Cavity effect on phase noise of Fabry-Perot modulator-based optical frequency comb **2016**,		1
676	Optoelectronic oscillator with low temperature induced frequency drift **2016**,		1
675	. *Journal of Lightwave Technology*, **2016**, 34, 3223-3229	4	6
674	Wavelength conversion technique for optical frequency dissemination applications. *Optics Letters*, **2016**, 41, 1716-9	3	3
673	Exploiting the short wavelength gain of silica-based thulium-doped fiber amplifiers. *Optics Letters*, **2016**, 41, 2197-200	3	34
672	Roadmap of optical communications. *Journal of Optics (United Kingdom)*, **2016**, 18, 063002	1.7	264
671	All-optical Phase Regeneration with Record PSA Extinction Ratio in a Low-birefringence Silicon Germanium Waveguide. *Journal of Lightwave Technology*, **2016**, 34, 3993-3998	4	13

670	High gain holmium-doped fibre amplifiers. *Optics Express*, **2016**, 24, 13946-56	3.3	29
669	**2015**, 53, 44-51		30
668	Characterization of Mode Coupling in Few-Mode FBG With Selective Mode Excitation. *IEEE Photonics Technology Letters*, **2015**, 27, 1713-1716	2.2	35
667	Demonstration of Space-to-Wavelength Conversion in SDM Networks. *IEEE Photonics Technology Letters*, **2015**, 27, 828-831	2.2	4
666	Extreme Short Wavelength Operation (1.65 □1.7 μm) of Silica-Based Thulium-Doped Fiber Amplifier **2015**,		7
665	Accurate calibration of S(2) and interferometry based multimode fiber characterization techniques. *Optics Express*, **2015**, 23, 10540-52	3.3	8
664	MicroStructure Element Method (MSEM): viscous flow model for the virtual draw of microstructured optical fibers. *Optics Express*, **2015**, 23, 312-29	3.3	26
663	Anti-resonant hexagram hollow core fibers. *Optics Express*, **2015**, 23, 1289-99	3.3	30
662	100 Gbit/s WDM transmission at 2 μm: transmission studies in both low-loss hollow core photonic bandgap fiber and solid core fiber. *Optics Express*, **2015**, 23, 4946-51	3.3	74
661	Optical injection locking-based amplification in phase-coherent transfer of optical frequencies. *Optics Letters*, **2015**, 40, 4198-201	3	17
660	Mid-infrared supercontinuum generation in suspended core tellurite microstructured optical fibers. *Optics Letters*, **2015**, 40, 2237-40	3	40
659	Dense WDM transmission at 2 □m enabled by an arrayed waveguide grating. *Optics Letters*, **2015**, 40, 3308-11	3	29
658	Fiber-laser-pumped, high-energy, mid-IR, picosecond optical parametric oscillator with a high-harmonic cavity. *Optics Letters*, **2015**, 40, 3288-91	3	20
657	High-energy, near- and mid-IR picosecond pulses generated by a fiber-MOPA-pumped optical parametric generator and amplifier. *Optics Express*, **2015**, 23, 12613-8	3.3	19
656	Accurate modelling of fabricated hollow-core photonic bandgap fibers. *Optics Express*, **2015**, 23, 23117-32	3.3	15
655	Experimental Demonstration of Improved Equalization Algorithm for IM/DD Fast OFDM. *IEEE Photonics Technology Letters*, **2015**, 27, 1780-1783	2.2	8
654	Record Phase Sensitive Extinction Ratio in a Silicon Germanium Waveguide **2015**,		4
653	Amplification of 12 OAM States in an Air-Core EDF **2015**,		2

652	Practical Considerations on Discrete Multi-tone Transmission for Cost-effective Access Networks **2015**,		4
651	Broadband telecom to mid-infrared supercontinuum generation in a dispersion-engineered silicon germanium waveguide. *Optics Letters*, **2015**, 40, 4118-21	3	34
650	Heterogeneous Space-Division Multiplexing and Joint Wavelength Switching Demonstration **2015**,		25
649	Recent Progress in the Development of Few Mode Fiber Amplifiers **2015**,		2
648	Compact Optical Comb Generator Using InP Tunable Laser and Push-Pull Modulator. *IEEE Photonics Technology Letters*, **2015**, 27, 217-220	2.2	21
647	Phase regeneration of an M-PSK signal using partial regeneration of its M/2-PSK second phase harmonic. *Optics Communications*, **2015**, 334, 35-40	2	4
646	Amplification of 12 OAM Modes in an air-core erbium doped fiber. *Optics Express*, **2015**, 23, 28341-8	3.3	41
645	Photonic bandgap fibres for low-latency data transmission **2015**,		1
644	EVROS: All-optical programmable disaggregated data centre interconnect utilizing hollow-core bandgap fibre **2015**,		8
643	Phase and amplitude regeneration through sequential PSA and FWM saturation in HNLF **2015**,		2
642	Optical side scattering radiometry for high resolution, wide dynamic range longitudinal assessment of optical fibers. *Optics Express*, **2015**, 23, 27960-74	3.3	7
641	Ultralow thermal sensitivity of phase and propagation delay in hollow core optical fibres. *Scientific Reports*, **2015**, 5, 15447	4.9	41
640	Demonstration of an 11km Hollow Core Photonic Bandgap Fiber for Broadband Low-latency Data Transmission **2015**,		7
639	All-Fiber Spatial Mode Selective Filter for Compensating Mode Dependent Loss in MDM Transmission Systems **2015**,		2
638	Demonstration of a 9 LP-Mode Transmission Fiber with Low DMD and Loss **2015**,		7
637	Volume Manufacturing of Hollow Core Photonic Band Gap Fibers: Challenges and Opportunities **2015**,		3
636	FWM-based, Idler-free Phase Quantiser with Flexible Operating Power **2015**,		4
635	Studying the limits of production rate and yield for the volume manufacturing of hollow core photonic band gap fibers. *Optics Express*, **2015**, 23, 32179-90	3.3	4

634	Holmium-Doped Fiber Amplifier for Optical Communications at 2.05 □2.13 μm **2015**,		11
633	Compact higher-order mode converter based on all-fiber phase plate segment **2015**,		1
632	Parametric modeling using sensitivity-based adjoint neuro-transfer functions for microwave passive components **2015**,		6
631	Data transmission through up to 74.8 km of hollow-core fiber with coherent and direct-detect transceivers **2015**,		5
630	PSA-based phase regeneration of DPSK signals in a silicon germanium waveguide **2015**,		1
629	A DSP-assisted symbol-cascade mobile fronthaul solution with large capacity and neat RRHs **2015**,		3
628	PSA-based all-optical multi-channel phase regenerator **2015**,		4
627	Nonlinearity mitigation through optical phase conjugation in a deployed fibre link with full bandwidth utilization **2015**,		6
626	72-Tb/s transmission over 179-km all-fiber 6-mode span with two cladding pumped in-line amplifiers **2015**,		10
625	On the role of signal-pump ratio in FWM-based phase preserving amplitude regeneration **2015**,		2
624	Polarization-Assisted Phase-Sensitive Processor. *Journal of Lightwave Technology*, **2015**, 33, 1166-1174	4	25
623	Experimental Characterization of a Graded-Index Ring-Core Fiber Supporting 7 LP Mode Groups **2015**,		10
622	High dynamic range technique for discrete and distributed scattering loss measurement in microstructured optical fibres **2015**,		1
621	Homodyne OFDM with Optical Injection Locking for Carrier Recovery. *Journal of Lightwave Technology*, **2015**, 33, 34-41	4	32
620	High-Capacity Directly Modulated Optical Transmitter for 2-□m Spectral Region. *Journal of Lightwave Technology*, **2015**, 33, 1373-1379	4	44
619	Archon: A Function Programmable Optical Interconnect Architecture for Transparent Intra and Inter Data Center SDM/TDM/WDM Networking. *Journal of Lightwave Technology*, **2015**, 33, 1586-1595	4	48
618	Optical Fourier synthesis of high-repetition-rate pulses. *Optica*, **2015**, 2, 18	8.6	18
617	41.6 Tbit/s C-Band SDM OFDM Transmission Through 12 Spatial and Polarization Modes Over 74.17 km Few Mode Fiber. *Journal of Lightwave Technology*, **2015**, 33, 1440-1444	4	21

616	52.6 Gbit/s Single-Channel Directly-Modulated Optical Transmitter for 2-Œm Spectral Region **2015**,		2
615	Mitigating Spectral Leakage and Sampling Errors in Spatial and Spectral (S2) Imaging **2015**,		2
614	Optical Regeneration. *Springer Series in Optical Sciences*, **2015**, 129-155	0.5	1
613	Impact of structural distortions on the performance of hollow-core photonic bandgap fibers. *Optics Express*, **2014**, 22, 2735-44	3.3	18
612	High Capacity Mode-Division Multiplexed Optical Transmission in a Novel 37-cell Hollow-Core Photonic Bandgap Fiber. *Journal of Lightwave Technology*, **2014**, 32, 854-863	4	55
611	. *IEEE Photonics Technology Letters*, **2014**, 26, 1100-1103	2.2	48
610	First Demonstration of a 2- $mu{rm m}$ OTDR and Its Use in Photonic Bandgap ${rm CO}_{2}$ Sensing Fiber. *IEEE Photonics Technology Letters*, **2014**, 26, 889-892	2.2	3
609	High Power Diode-Seeded Fiber Amplifiers at 2 ŒmŒ—From Architectures to Applications. *IEEE Journal of Selected Topics in Quantum Electronics*, **2014**, 20, 525-536	3.8	31
608	Control of Material Transport Through Pulse Shape Manipulation—A Development Toward Designer Pulses. *IEEE Journal of Selected Topics in Quantum Electronics*, **2014**, 20, 51-63	3.8	14
607	Multi-element fiber technology for space-division multiplexing applications. *Optics Express*, **2014**, 22, 3787-96	3.3	32
606	Optical chopper-based re-circulating loop for few-mode fiber transmission. *Optics Letters*, **2014**, 39, 1181-4	3.3	9
605	20 ×960-Gb/s Space-division-multiplexed 32QAM transmission over 60 km few-mode fiber. *Optics Express*, **2014**, 22, 749-55	3.3	39
604	100-GHz Grid-Aligned Multi-Channel Polarization Insensitive Black-Box Wavelength Converter. *Journal of Lightwave Technology*, **2014**, 32, 3027-3035	4	8
603	Signal Regeneration Techniques for Advanced Modulation Formats **2014**,		2
602	Novel fluid dynamics model to predict draw of hollow core photonic band-gap fibres **2014**,		1
601	First demonstration of all-optical programmable SDM/TDM intra data centre and WDM inter-DCN communication **2014**,		7
600	90 nm gain extension towards 1.7 Œm for diode-pumped silica-based thulium-doped fiber amplifiers **2014**,		6
599	Yb-fiber amplifier pumped idler-resonant PPLN optical parametric oscillator producing 90 femtosecond pulses with high beam quality. *Applied Physics B: Lasers and Optics*, **2014**, 117, 987-993	1.9	10

598	81 Gb/s WDM transmission at 2μm over 1.15 km of low-loss hollow core photonic bandgap fiber **2014**,		8
597	Optical Phase Quantizer Based on Phase Sensitive Four Wave Mixing at Low Nonlinear Phase Shifts. *IEEE Photonics Technology Letters*, **2014**, 26, 2146-2149	2.2	18
596	Modulator-free quadrature amplitude modulation signal synthesis. *Nature Communications*, **2014**, 5, 5911	17.4	24
595	Mode division multiplexing over 19-cell hollow-core photonic bandgap fibre by employing integrated mode multiplexer. *Electronics Letters*, **2014**, 50, 1227-1229	1.1	1
594	Quadrature decomposition of optical fields using two orthogonal phase sensitive amplifiers **2014**,		3
593	41.6 Tb/s C-band SDM OFDM transmission through 12 spatial and polarization modes over 74.17 km few mode fiber **2014**,		7
592	Efficient binary phase quantizer based on phase sensitive four wave mixing **2014**,		5
591	Towards real-time mode content characterization of multimode fibers **2014**,		1
590	Up to 64QAM (30 Gbit/s) directly-modulated and directly-detected OFDM at 2 μm wavelength **2014** ,		1
589	High sensitivity gas detection using Hollow Core Photonic Bandgap Fibres designed for mid-IR operation **2014**,		1
588	Spatial mode switchable, wavelength tunable erbium doped fiber laser incorporating a spatial light modulator **2014**,		5
587	Hollow Core Photonic Bandgap Fibers for Mid-IR Applications **2014**,		1
586	Understanding Wavelength Scaling in 19-Cell Core Hollow-Core Photonic Bandgap Fibers **2014**,		8
585	Demonstration of real-time ethernet to reconfigurable superchannel data transport over elastic optical network **2014**,		1
584	High-energy diode-seeded nanosecond 2 μm fiber MOPA systems incorporating active pulse shaping. *Optics Letters*, **2014**, 39, 1569-72	3	14
583	Low-loss and low-bend-sensitivity mid-infrared guidance in a hollow-core-photonic-bandgap fiber. *Optics Letters*, **2014**, 39, 295-8	3	43
582	Minimizing differential modal gain in cladding-pumped EDFAs supporting four and six mode groups. *Optics Express*, **2014**, 22, 21499-507	3.3	30
581	Fast and broadband fiber dispersion measurement with dense wavelength sampling. *Optics Express*, **2014**, 22, 943-53	3.3	11

580	Leakage channel fibers with microstuctured cladding elements: a unique LMA platform. *Optics Express*, **2014**, 22, 8574-84	3.3	13
579	First demonstration of a 2μm few-mode TDFA for mode division multiplexing. *Optics Express*, **2014**, 22, 10544-9	3.3	6
578	X-ray tomography for structural analysis of microstructured and multimaterial optical fibers and preforms. *Optics Express*, **2014**, 22, 26181-92	3.3	18
577	Few-mode multi-element fiber amplifier for mode division multiplexing. *Optics Express*, **2014**, 22, 29031-6	3.3	9
576	Picometer-scale surface roughness measurements inside hollow glass fibres. *Optics Express*, **2014**, 22, 29554-67	3.3	6
575	Cladding pumped few-mode EDFA for mode division multiplexed transmission. *Optics Express*, **2014** , 22, 29008-13	3.3	63
574	Suppression of Gain Variation in a PSA-Based Phase Regenerator Using an Additional Harmonic. *IEEE Photonics Technology Letters*, **2014**, 26, 2074-2077	2.2	6
573	Compact, high-pulse-energy, high-power, picosecond master oscillator power amplifier. *Optics Express*, **2014**, 22, 21938-43	3.3	19
572	1 Km hole-assisted few-mode multi-core fiber 32QAM WDM transmission **2014**,		6
571	Few-Mode TDFA for Mode Division Multiplexing at 2μm **2014**,		2
570	Generation of mode-locked optical pulses at 1035 nm from a fiber Bragg grating stabilized semiconductor laser diode. *Optics Express*, **2014**, 22, 13366-73	3.3	3
569	High sensitivity methane and ethane detection using low-loss mid-IR hollow-core photonic bandgap fibers **2014**,		1
568	Gain equalization of a six-mode-group ring core multimode EDFA **2014**,		9
567	Highly Nonlinear Tellurite Glass Fiber for Broadband Applications **2014**,		2
566	An Optical Phase Quantiser Exhibiting Suppressed Phase Dependent Gain Variation **2014**,		5
565	Single polarization picosecond fiber MOPA power scaled to beyond 500 W. *Laser Physics Letters*, **2014**, 11, 085103	1.5	8
564	Multi-Watt All-Fiber Frequency Doubled Laser **2014**,		4
563	Accurate Loss and Surface Mode Modeling in Fabricated Hollow-Core Photonic Bandgap Fibers **2014**,		2

562	First Demonstration of Cladding Pumped Few-moded EDFA for Mode Division Multiplexed Transmission **2014**,		13
561	Ultra-high Capacity Transmission with Few-mode Silica and Hollow-core Photonic Bandgap Fibers **2014**,		2
560	Homodyne OFDM using Simple Optical Carrier Recovery **2014**,		5
559	Minimizing Differential Modal Gain in Cladding Pumped MM-EDFAs for Mode Division Multiplexing in C and L Bands **2014**,		2
558	Accurate Modelling of Hollow Core Photonic Bandgap Fibre **2014**,		1
557	First Investigation of Longitudinal Defects in Hollow Core Photonic Bandgap Fibers **2014**,		3
556	All-Optical Regeneration of Phase Encoded Signals: Phase Sensitive Optical Regeneration **2013**, 589-639		1
555	Phase Sensitivity Characterization in Fiber-Optic Sensor Systems Using Amplifiers and TDM. *Journal of Lightwave Technology*, **2013**, 31, 1645-1653	4	12
554	Direct Selection and Amplification of Individual Narrowly Spaced Optical Comb Modes Via Injection Locking: Design and Characterization. *Journal of Lightwave Technology*, **2013**, 31, 2287-2295	4	31
553	Mid-infrared ZBLAN fiber supercontinuum source using picosecond diode-pumping at 2 μm. *Optics Express*, **2013**, 21, 24281-7	3.3	73
552	100 kW peak power picosecond thulium-doped fiber amplifier system seeded by a gain-switched diode laser at 2 μm. *Optics Letters*, **2013**, 38, 1615-7	3	54
551	High performance architecture design for large scale fibre-optic sensor arrays using distributed EDFAs and hybrid TDM/DWDM. *Measurement Science and Technology*, **2013**, 24, 094024	2	3
550	Field demonstration of mode-division multiplexing upgrade scenarios on commercial networks. *Optics Express*, **2013**, 21, 31036-46	3.3	21
549	Towards high-capacity fibre-optic communications at the speed of light in vacuum. *Nature Photonics*, **2013**, 7, 279-284	33.9	200
548	Development of Low Loss, Wide Bandwidth Hollow Core Photonic Bandgap Fibers **2013**,		1
547	Space-division multiplexing in optical fibres. *Nature Photonics*, **2013**, 7, 354-362	33.9	1688
546	Broadband, Flat Frequency Comb Generated Using Pulse Shaping-Assisted Nonlinear Spectral Broadening. *IEEE Photonics Technology Letters*, **2013**, 25, 543-545	2.2	10
545	Three mode Er3+ ring-doped fiber amplifier for mode-division multiplexed transmission. *Optics Express*, **2013**, 21, 10383-92	3.3	40

544	Real-time prediction of structural and optical properties of hollow-core photonic bandgap fibers during fabrication. *Optics Letters*, **2013**, 38, 1382-4	3	11
543	Overcoming the Challenges of Splicing Dissimilar Diameter Solid-Core and Hollow-Core Photonic Band Gap Fibers **2013**,		5
542	Erbium-doped multi-element fiber amplifiers for space-division multiplexing operations. *Optics Letters*, **2013**, 38, 582-4	3	17
541	WDM Transmission at 2□m over Low-Loss Hollow Core Photonic Bandgap Fiber **2013**,		4
540	Thulium-doped fiber amplifier for optical communications at 2 μm. *Optics Express*, **2013**, 21, 9289-97	3.3	175
539	Diode-pumped wideband thulium-doped fiber amplifiers for optical communications in the 1800 - 2050 nm window. *Optics Express*, **2013**, 21, 26450-5	3.3	118
538	200 W Diffraction limited, single-polarization, all-fiber picosecond MOPA. *Optics Express*, **2013**, 21, 25883-9	3.3	30
537	Demonstration of amplified data transmission at 2 μm in a low-loss wide bandwidth hollow core photonic bandgap fiber. *Optics Express*, **2013**, 21, 28559-69	3.3	81
536	New Developments in Tellurite Glass Fibers **2013**,		2
535	Hollow-core photonic bandgap fibers: technology and applications. *Nanophotonics*, **2013**, 2, 315-340	6.3	110
534	Selective amplification of frequency comb modes via optical injection locking of a semiconductor laser: influence of adjacent unlocked comb modes **2013**,		7
533	Few-mode EDFA Supporting 5 Spatial Modes with Reconfigurable Differential Modal Gain Control **2013**,		3
532	Dual mode fused optical fiber couplers suitable for mode division multiplexed transmission. *Optics Express*, **2013**, 21, 24326-31	3.3	44
531	35 kW peak power picosecond pulsed thulium-doped fibre amplifier system seeded by a gain-switched laser diode at 2 □m **2013**,		1
530	LMA effectively single-mode thulium doped fibre with normal dispersion at wavelengths around 2um **2013**,		2
529	Highly Scalable Amplified Hybrid TDM/DWDM Array Architecture for Interferometric Fiber-Optic Sensor Systems. *Journal of Lightwave Technology*, **2013**, 31, 882-888	4	25
528	First Demonstration of an Amplified Transmission Line Based on Multi-Element Fibre Technology **2013**,		4
527	20 x 960-Gb/s MDM-DP-32QAM transmission over 60km FMF with inline MM-EDFA **2013**,		1

526	All-fiber, ultra-wideband tunable laser at 2 ₥. *Optics Letters*, **2013**, 38, 4739-42	3	59
525	Optical properties of silicon germanium waveguides at telecommunication wavelengths. *Optics Express*, **2013**, 21, 16690-701	3.3	26
524	Gamma irradiation of minimal latency Hollow-Core Photonic Bandgap Fibres. *Journal of Instrumentation*, **2013**, 8, C12010-C12010	1	9
523	100GHz Grid-Aligned Reconfigurable Polarization Insensitive Black-Box Wavelength Converter **2013**,		2
522	Vector Mode effects in Few Moded Erbium Doped Fiber Amplifiers **2013**,		8
521	Robust Low Loss Splicing of Hollow Core Photonic Bandgap Fiber to Itself **2013**,		2
520	Thulium-doped Fiber Amplifier for Optical Communications at 2μm **2013**,		1
519	QAM Synthesis by Direct Modulation of Semiconductor Lasers under Injection Locking **2013**,		1
518	Multimode EDFA performance in mode-division multiplexed transmission systems **2013**,		3
517	Design of Four-Mode Erbium Doped Fiber Amplifier with Low Differential Modal Gain for Modal Division Multiplexed Transmissions **2013**,		15
516	Passively Mode-Locked Fiber Laser Incorporating Adaptive Filtering and Dispersion Management **2013**,		3
515	Fiber Amplifiers for SDM Systems **2013**,		11
514	30.7 Tb/s (96×320 Gb/s) DP-32QAM transmission over 19-cell Photonic Band Gap Fiber **2013**,		1
513	First Demonstration of a Broadband 37-cell Hollow Core Photonic Bandgap Fiber and Its Application to High Capacity Mode Division Multiplexing **2013**,		7
512	Low Computational Complexity Mode Division Multiplexed OFDM Transmission over 130 km of Few Mode Fiber **2013**,		5
511	On-Demand Spectrum and Space Defragmentation in an Elastic SDM/FDM/TDM Network with Mixed Multi- and Single-core Fiber Links **2013**,		6
510	First Demonstration of a Low Loss 37-cell Hollow Core Photonic Bandgap Fiber and its Use for Data Transmission **2013**,		1
509	. *Journal of Lightwave Technology*, **2012**, 30, 512-520	4	16

508	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2012**, 18, 689-700	3.8	33
507	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2012**, 18, 859-869	3.8	29
506	**2012**, 50, s31-s42		151
505	Modal Gain Control in a Multimode Erbium Doped Fiber Amplifier Incorporating Ring Doping **2012**,		2
504	Nonlinear Generation of Ultra-Flat Broadened Spectrum Based on Adaptive Pulse Shaping. *Journal of Lightwave Technology*, **2012**, 30, 1971-1977	4	17
503	Modal gain equalization in a few moded Erbium-doped fiber amplifier **2012**,		1
502	Supercontinuum generation in non-silica fibers. *Optical Fiber Technology*, **2012**, 18, 327-344	2.4	70
501	Fiber LPG Mode Converters and Mode Selection Technique for Multimode SDM. *IEEE Photonics Technology Letters*, **2012**, 24, 1922-1925	2.2	73
500	Wide-bandwidth, low-loss, 19-cell hollow core photonic band gap fiber and its potential for low latency data transmission **2012**,		4
499	All-Optical Processing of Multi-level Phase Shift Keyed Signals **2012**,		5
498	Brillouin Suppressed Highly Nonlinear Fibers **2012**,		9
497	73.7 Tb/s (96 x 3 x 256-Gb/s) mode-division-multiplexed DP-16QAM transmission with inline MM-EDFA. *Optics Express*, **2012**, 20, B428-38	3.3	118
496	Method to Visualise and Measure Individual Modes in a Few Moded Fibre **2012**,		1
495	Green-pumped, picosecond MgO:PPLN optical parametric oscillator. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 144	1.7	14
494	First Demonstration of 2μm Data Transmission in a Low-Loss Hollow Core Photonic Bandgap Fiber **2012**,		11
493	Dissemination of an optical frequency comb over fiber with 3 □10(-18) fractional accuracy. *Optics Express*, **2012**, 20, 1775-82	3.3	54
492	High-power, high repetition-rate, green-pumped, picosecond LBO optical parametric oscillator. *Optics Express*, **2012**, 20, 7008-14	3.3	18
491	Modulation format conversion employing coherent optical superposition. *Optics Express*, **2012**, 20, B322-30	3.3	6

490	Optimizing the pumping configuration for the power scaling of in-band pumped erbium doped fiber amplifiers. *Optics Express*, **2012**, 20, 13886-95	3.3	25
489	Large aperture PPMgLN based high-power optical parametric oscillator at 3.8 μm pumped by a nanosecond linearly polarized fiber MOPA. *Optics Express*, **2012**, 20, 15008-14	3.3	30
488	High-energy, in-band pumped erbium doped fiber amplifiers. *Optics Express*, **2012**, 20, 18803-18	3.3	21
487	Accurate modal gain control in a multimode erbium doped fiber amplifier incorporating ring doping and a simple LP□ pump configuration. *Optics Express*, **2012**, 20, 20835-43	3.3	65
486	Phase regeneration of DPSK signals in a highly nonlinear lead-silicate W-type fiber. *Optics Express*, **2012**, 20, 27419-24	3.3	8
485	Phase sensitive amplification in a highly nonlinear lead-silicate fiber. *Optics Express*, **2012**, 20, 1629-34	3.3	8
484	Processing of optical combs with fiber optic parametric amplifiers. *Optics Express*, **2012**, 20, 10059-70	3.3	10
483	Analysis of light scattering from surface roughness in hollow-core photonic bandgap fibers. *Optics Express*, **2012**, 20, 20980-91	3.3	42
482	All fiber components for multimode SDM systems **2012**,		3
481	Fiber MOPA based tunable source for terahertz spectroscopy. *Laser Physics Letters*, **2012**, 9, 350-354	1.5	5
480	Phase noise characterization of injection locked semiconductor lasers to a 250 MHz optical frequency comb **2012**,		1
479	1.45 Tbit/s, Low Latency Data Transmission through a 19-Cell Hollow Core Photonic Band Gap Fibre **2012**,		3
478	High energy in-band pumped erbium doped pulse fibre laser **2012**,		1
477	All-Optical broadband phase noise emulation **2012**,		1
476	Complementary Analysis of Modal Content and Properties in a 19-cell Hollow Core Photonic Band Gap Fiber using Time-of-Flight and S2 Techniques **2012**,		4
475	Dipole radiation model for surface roughness scattering in hollow-core fibers **2012**,		1
474	Advances in Optical Signal Processing Based on Phase Sensitive Parametric Mixing **2012**,		1
473	Detailed study of modal gain in a multimode EDFA supporting LP01 and LP11 mode group amplification **2012**,		2

472	Hollow Core Photonic Bandgap fibers for Telecommunications: Opportunities and Potential Issues **2012**,		4
471	Overcoming Electronic Limits to Optical Phase Measurements with an Optical Phase-only Amplifier **2012**,		1
470	Designer pulses for precise machining of silicon □A step towards photonic compositions **2012**,		2
469	Phase Noise and Jitter Characterization of Pulses Generated by Optical Injection Locking to an Optical Frequency Comb **2012**,		1
468	Homodyne Operation of a Phase-only Optical Amplifier **2012**,		1
467	Wide-bandwidth, low-loss, 19-cell hollow core photonic band gap fiber and its potential for low latency data transmission **2012**,		3
466	Gas Absorption between 1.8 and 2.1 μm in Low Loss (5.2 dB/km) HC-PBGF **2012**,		1
465	Practical issues and some lessons learned from realization of phase sensitive parametric regenerators **2012**,		1
464	Retiming of Short Pulses Using Quadratic Cascading in a Periodically Poled Lithium Niobate Waveguide. *IEEE Photonics Technology Letters*, **2011**, 23, 94-96	2.2	7
463	The Multipeak Phenomena and Nonlinear Effects in ${Q}$-Switched Fiber Lasers. *IEEE Photonics Technology Letters*, **2011**, 23, 1763-1765	2.2	10
462	Full characterization and comparison of phase properties of narrow linewidth lasers operating in the C-band **2011**,		6
461	500km remote interrogation of optical sensor arrays **2011**,		4
460	The characteristics of NDM-producing Klebsiella pneumoniae from Canada. *Diagnostic Microbiology and Infectious Disease*, **2011**, 71, 106-9	2.9	49
459	. *Journal of Lightwave Technology*, **2011**, 29, 22-30	4	22
458	Optical Fiber Fabrication Using Novel Gas-Phase Deposition Technique. *Journal of Lightwave Technology*, **2011**, 29, 912-915	4	22
457	1.06 mu m Picosecond Pulsed, Normal Dispersion Pumping for Generating Efficient Broadband Infrared Supercontinuum in Meter-Length Single-Mode Tellurite Holey Fiber With High Raman Gain Coefficient. *Journal of Lightwave Technology*, **2011**, 29, 3461-3469	4	17
456	All-solid highly nonlinear singlemode fibers with a tailored dispersion profile. *Optics Express*, **2011**, 19, 66-80	3.3	44
455	Selective excitation of multiple Raman Stokes wavelengths (green-yellow-red) using shaped multi-step pulses from an all-fiber PM MOPA. *Optics Express*, **2011**, 19, 2085-92	3.3	6

454	Analysis of acceptable spectral windows of quadratic cascaded nonlinear processes in a periodically poled lithium niobate waveguide. *Optics Express*, **2011**, 19, 8327-35	3.3	3
453	Phase-regenerative wavelength conversion in periodically poled lithium niobate waveguides. *Optics Express*, **2011**, 19, 11705-15	3.3	6
452	Design of a Bragg fiber with large mode area for mid-infrared applications. *Optics Express*, **2011**, 19, 21295-304	3.3	13
451	Gridless optical networking field trial: flexible spectrum switching, defragmentation and transport of 10G/40G/100G/555G over 620-km field fiber. *Optics Express*, **2011**, 19, B277-82	3.3	11
450	First demonstration and detailed characterization of a multimode amplifier for Space Division Multiplexed transmission systems. *Optics Express*, **2011**, 19, B952-7	3.3	114
449	Feed-forward true carrier extraction of high baud rate phase shift keyed signals using photonic modulation stripping and low-bandwidth electronics. *Optics Express*, **2011**, 19, 26594-9	3.3	7
448	High-resolution microwave frequency transfer over an 86-km-long optical fiber network using a mode-locked laser. *Optics Letters*, **2011**, 36, 511-3	3	71
447	Intensity measurement bend sensors based on periodically tapered soft glass fibers. *Optics Letters*, **2011**, 36, 558-60	3	65
446	Tunable synchronously-pumped fiber Raman laser in the visible and near-infrared exploiting MOPA-generated rectangular pump pulses. *Optics Letters*, **2011**, 36, 2050-2	3	5
445	Multilevel quantization of optical phase in a novel coherent parametric mixer architecture. *Nature Photonics*, **2011**, 5, 748-752	33.9	106
444	New Delhi metallo-beta-lactamase, Ontario, Canada. *Emerging Infectious Diseases*, **2011**, 17, 306-7	10.2	39
443	Use of a pulsed fibre laser as an excitation source for photoacoustic tomography **2011**,		3
442	Optical fibre microwire sensors **2011**,		1
441	Bend sensors based on periodically tapered soft glass fibers **2011**,		2
440	Temporally and spatially shaped fully-fiberized ytterbium-doped pulsed MOPA. *Laser Physics Letters*, **2011**, 8, 747-753	1.5	11
439	Phase sensitive amplifiers for regeneration of phase encoded optical signal formats **2011**,		1
438	Robust optical injection locking to a 250 MHz frequency comb without narrow-band optical pre-filtering **2011**,		1
437	. *IEEE Photonics Technology Letters*, **2011**, 23, 540-542	2.2	13

436	Silica-based highly nonlinear fibers with a high SBS threshold **2011**,		7
435	Science and technology challenges in XXIst century optical communications. *Comptes Rendus Physique*, **2011**, 12, 387-416	1.4	25
434	Highly efficient, high power, inband-pumped Erbium/Ytterbium-codoped fiber laser **2011**,		1
433	First demonstration of multimode amplifier for spatial division multiplexed transmission systems **2011**,		17
432	Reducing loss in practical single ring antiresonant hollow core fibres **2011**,		1
431	All-optical regeneration based on phase sensitive amplification **2011**,		1
430	Optical racetrack ring-resonator based on two U-bent microfibers. *Applied Physics Letters*, **2011**, 98, 021109	3.4	14
429	Optimising the Performances of Hollow Antiresonant Fibres **2011**,		6
428	Phase Sensitive Amplification in a Highly Nonlinear Lead-Silicate Fibre **2011**,		1
427	Gridless Optical Networking Field Trial: Flexible Spectrum Switching, Defragmentation and Transport of 10G/40G/100G/555G over 620-km Field Fiber **2011**,		17
426	Fusion-Spliced Highly Nonlinear Soft-glass W-type Index Profiled Fibre with Ultra-flattened, Low Dispersion Profile in 1.55μm Telecommunication Window **2011**,		3
425	Flat, Broadband Supercontinuum Generation at Low Pulse Energies in a Dispersion-Tailored Lead-Silicate Fibre **2011**,		2
424	QPSK Phase and Amplitude Regeneration at 56 Gbaud in a Novel Idler-Free Non-Degenerate Phase Sensitive Amplifier **2011**,		11
423	Experimental Demonstration of a Gridless Multi-granular Optical Network Supporting Flexible Spectrum Switching **2011**,		15
422	Phase-Sensitive Wavelength Conversion Based on Cascaded Quadratic Processes in Periodically Poled Lithium Niobate Waveguides **2011**,		1
421	Soft Glass Based Large Mode Area Photonic Bandgap Fibre for Mid-Infrared Applications **2011**,		1
420	Phase-Encoded Signal Regeneration Exploiting Phase Sensitive Amplification **2011**,		2
419	All-optical phase and amplitude regenerator for next-generation telecommunications systems. *Nature Photonics*, **2010**, 4, 690-695	33.9	412

418	SINGLE MODE ERBIUM YTTERBIUM-DOPED FIBER LASER WITH MULTIMODE PUMPING. *Journal of Nonlinear Optical Physics and Materials*, **2010**, 19, 203-208	0.8	
417	Saturation effects in degenerate phase sensitive fiber optic parametric amplifiers **2010**,		3
416	All-optical phase-regenerative multicasting of 40 Gbit/s DPSK signal in a degenerate phase sensitive amplifier **2010**,		4
415	Recent advances in highly nonlinear fibres **2010**,		3
414	All-optical phase and amplitude regeneration properties of a 40Gbit/s DPSK black-box phase sensitive amplifier **2010**,		1
413	A single-mode, high index-contrast, lead silicate glass fibre with high nonlinearity, broadband near-zero dispersion at telecommunication wavelengths **2010**,		2
412	Wavelength Conversion in a Short Length of a Solid Lead□ilicate Fiber. *IEEE Photonics Technology Letters*, **2010**, 22, 628-630	2.2	15
411	56-W Frequency-Doubled Source at 530 nm Pumped by a Single-Mode, Single-Polarization, Picosecond, Yb $^{3+}$-Doped Fiber MOPA. *IEEE Photonics Technology Letters*, **2010**, 22, 893-895	2.2	13
410	Multichannel Wavelength Conversion of 40-Gb/s Nonreturn-to-Zero DPSK Signals in a Lead□ilicate Fiber. *IEEE Photonics Technology Letters*, **2010**, 22, 1153-1155	2.2	3
409	Embedded Optical Microfiber Coil Resonator With Enhanced High-Q. *IEEE Photonics Technology Letters*, **2010**,	2.2	7
408	Wide Bandwidth Experimental Study of Nondegenerate Phase-Sensitive Amplifiers in Single- and Dual-Pump Configurations. *IEEE Photonics Technology Letters*, **2010**, 22, 1781-1783	2.2	11
407	Detailed characterization of afiber-optic parametric amplifier in phase-sensitive and phase-insensitive operation. *Optics Express*, **2010**, 18, 4130-7	3.3	54
406	Picosecond fiber MOPA pumped supercontinuum source with 39 W output power. *Optics Express*, **2010**, 18, 5426-32	3.3	86
405	High-power, variable repetition rate, picosecond optical parametric oscillator pumped by an amplified gain-switched diode. *Optics Express*, **2010**, 18, 7602-10	3.3	22
404	OTDM to WDM format conversion based on quadratic cascading in a periodically poled lithium niobate waveguide. *Optics Express*, **2010**, 18, 10282-8	3.3	17
403	Polarisation maintaining 100W Yb-fiber MOPA producing microJ pulses tunable in duration from 1 to 21 ps. *Optics Express*, **2010**, 18, 14385-94	3.3	43
402	Near-zero dispersion, highly nonlinear lead-silicate W-type fiber for applications at 1.55 microm. *Optics Express*, **2010**, 18, 15747-56	3.3	23
401	Wide spectral range confocal microscope based on endlessly single-mode fiber. *Optics Express*, **2010**, 18, 18811-9	3.3	4

400	Highly birefringent silica microfiber. *Optics Letters*, **2010**, 35, 378-80	3	37
399	Polarization-maintaining optical microfiber. *Optics Letters*, **2010**, 35, 2034-6	3	36
398	Excitation of individual Raman Stokes lines in the visible regime using rectangular-shaped nanosecond optical pulses at 530 nm. *Optics Letters*, **2010**, 35, 2433-5	3	10
397	Compact, high-pulse-energy, picosecond optical parametric oscillator. *Optics Letters*, **2010**, 35, 3580-2	3	26
396	Elimination of the chirp of optical pulses through cascaded nonlinearities in periodically poled lithium niobate waveguides. *Optics Letters*, **2010**, 35, 3724-6	3	2
395	Field Experiments With a Grooming Switch for OTDM Meshed Networking. *Journal of Lightwave Technology*, **2010**, 28, 316-327	4	11
394	High power fiber lasers: current status and future perspectives [Invited]. *Journal of the Optical Society of America B: Optical Physics*, **2010**, 27, B63	1.7	1224
393	Applied physics. Filling the light pipe. *Science*, **2010**, 330, 327-8	33.3	201
392	First demonstration of all-optical QPSK signal regeneration in a novel multi-format phase sensitive amplifier **2010**,		27
391	Applications of highly nonlinear dispersion tailored lead silicate fibres for high speed optical communications **2010**,		1
390	A silica based highly nonlinear fibre with improved threshold for stimulated brillouin scattering **2010**,		13
389	Phase locking and carrier extraction schemes for phase sensitive amplification **2010**,		2
388	Generation of ultra-high repetition rate pulses in a highly nonlinear dispersion-tailored compound glass fibre **2010**,		2
387	Analysis of modal interference in Photonic Bandgap Fibres **2010**,		6
386	Adaptive extraction of emotion-related EEG segments using multidimensional directed information in time-frequency domain. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2010**, 2010, 1-4	0.9	5
385	Over 55W of frequency doubled light at 530 nm pumped by an all-fiber diffraction limited picosecond fibre MOPA **2010**,		1
384	Experimental Investigation of Wide Bandwidth Single and Dual Pump non-Degenerate Phase Sensitive Amplifiers **2010**,		1
383	Generation of compressed optical pulses beyond 160 GHz based on two injection-locked CW lasers **2010**,		2

382	Dispersion controlled highly nonlinear fibers for all-optical processing at telecoms wavelengths. *Optical Fiber Technology*, **2010**, 16, 378-391	2.4	37
381	Picosecond Fiber MOPA Pumped Supercontinuum Source With 39 W Output Power **2010**,		1
380	Multichannel Wavelength Conversion of 40Gbit/s NRZ DPSK Signals in a Highly Nonlinear Dispersion Flattened Lead Silicate Fibre **2010**,		2
379	All-optical phase regeneration of 40Gbit/s DPSK signals in a black-box phase sensitive amplifier **2010**,		9
378	OTDM to WDM Format Conversion Based on Cascaded SHG/DFG in a Single PPLN Waveguide **2010**,		4
377	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 **2010**,		1
376	Highly nonlinear non-silica glass microstructured optical fibers with near-zero dispersion and dispersion slope for 1.55μm applications **2009**,		1
375	Control of modal properties and modal effects in air guiding photonic bandgap fibres **2009**,		1
374	Efficient all-optical wavelength converter using saw-tooth pulses **2009**,		1
373	Remnant signal peptides on non-exported enzymes: implications for the evolution of prokaryotic respiratory chains. *Microbiology (United Kingdom)*, **2009**, 155, 3992-4004	2.9	31
372	Visible and mid-IR output using a fibre laser pump source **2009**,		1
371	Externally modulated diode-seeded Yb3+-doped fiber MOPA pumped high power optical parametric oscillator **2009**,		2
370	In situ spatially-resolved thermal and Brillouin diagnosis of high-power ytterbium-doped fibre laser by Brillouin optical time domain analysis. *Electronics Letters*, **2009**, 45, 153	1.1	4
369	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2009**, 15, 385-392	3.8	22
368	Multiple access interference rejection in OCDMA using a two-photon absorption based semiconductor device. *Optics Communications*, **2009**, 282, 1281-1286	2	3
367	Fibre optical sensor for C2H2 gas using gas-filled photonic bandgap fibre reference cell. *Sensors and Actuators B: Chemical*, **2009**, 139, 30-34	8.5	32
366	Multi-wavelength all-optical regeneration techniques **2009**,		2
365	Adiabatically tapered splice for selective excitation of the fundamental mode in a multimode fiber. *Optics Letters*, **2009**, 34, 2369-71	3	37

364	Improved method for estimating the minimum length of modal filters fabricated for stellar interferometry. *Optics Express*, **2009**, 17, 1935-46	3.3	3
363	Optical microfiber coupler for broadband single-mode operation. *Optics Express*, **2009**, 17, 5273-8	3.3	83
362	Time domain add-drop multiplexing scheme enhanced using a saw-tooth pulse shaper. *Optics Express*, **2009**, 17, 8362-9	3.3	14
361	Optical grooming switch with regenerative functionality for transparent interconnection of networks. *Optics Express*, **2009**, 17, 15173-85	3.3	9
360	Comparative study of the effective single mode operational bandwidth in sub-wavelength optical wires and conventional single-mode fibers. *Optics Express*, **2009**, 17, 16619-24	3.3	9
359	Dispersion-shifted all-solid high index-contrast microstructured optical fiber for nonlinear applications at 1.55 microm. *Optics Express*, **2009**, 17, 20249-55	3.3	29
358	Phase sensitive amplification based on quadratic cascading in a periodically poled lithium niobate waveguide. *Optics Express*, **2009**, 17, 20393-400	3.3	63
357	High power pulsed fiber MOPA system incorporating electro-optic modulator based adaptive pulse shaping. *Optics Express*, **2009**, 17, 20927-37	3.3	78
356	Optical fiber nanowires and microwires: fabrication and applications. *Advances in Optics and Photonics*, **2009**, 1, 107	16.7	232
355	. *Journal of Lightwave Technology*, **2009**, 27, 1135-1141	4	10
354	Efficient All-Optical Wavelength-Conversion Scheme Based on a Saw-Tooth Pulse Shaper. *IEEE Photonics Technology Letters*, **2009**, 21, 1837-1839	2.2	15
353	Organic memory device with large conductance switching based on oxadiazole□ontaining polyether thin films **2009**,		1
352	Optical Parabolic Pulse Generation and Applications. *IEEE Journal of Quantum Electronics*, **2009**, 45, 1482-1489		57
351	Optical WDM regeneration: status and future prospects **2009**,		3
350	An Optical Frequency Comb Generator as a Broadband Pulse Source **2009**,		4
349	Adaptive Phase Shaping in a Fiber Chirped Pulse Amplification System. *Springer Series in Chemical Physics*, **2009**, 953-955	0.3	
348	Field Trial of WDM-OTDM Transmultiplexing employing Photonic Switch Fabric-based Buffer-less Bit-interleaved Data Grooming and All-Optical Regeneration **2009**,		3
347	Features of a twin-arginine signal peptide required for recognition by a Tat proofreading chaperone. *FEBS Letters*, **2008**, 582, 3979-84	3.8	27

346	Investigation of Simultaneous 2R Regeneration of Two 40-Gb/s Channels in a Single Optical Fiber. *IEEE Photonics Technology Letters*, **2008**, 20, 270-272	2.2	18
345	Investigation of Four-Wavelength Regenerator Using Polarization- and Direction-Multiplexing. *IEEE Photonics Technology Letters*, **2008**, 20, 1676-1678	2.2	17
344	Timing Jitter Tolerant All-Optical TDM Demultiplexing Using a Saw-Tooth Pulse Shaper. *IEEE Photonics Technology Letters*, **2008**, 20, 1992-1994	2.2	8
343	Full Characterization of Low-Power Picosecond Pulses From a Gain-Switched Diode Laser Using Electrooptic Modulation-Based Linear FROG. *IEEE Photonics Technology Letters*, **2008**, 20, 505-507	2.2	10
342	Analysis of the Dynamic Responses of SOA Wavelength Converters Using Linear Frequency Resolved Gating Technique. *IEEE Photonics Technology Letters*, **2008**, 20, 1079-1081	2.2	0
341	Compensation of Linear Distortions by Using XPM With Parabolic Pulses as a Time Lens. *IEEE Photonics Technology Letters*, **2008**, 20, 1097-1099	2.2	34
340	Four-Channel All-Fiber Dispersion-Managed 2R Regenerator. *IEEE Photonics Technology Letters*, **2008**, 20, 1169-1171	2.2	14
339	Soliton Spectral Tunneling in Dispersion-Controlled Holey Fibers. *IEEE Photonics Technology Letters*, **2008**, 20, 1414-1416	2.2	25
338	An Efficient Wavelength Converter Exploiting a Grating-Based Saw-Tooth Pulse Shaper. *IEEE Photonics Technology Letters*, **2008**, 20, 1461-1463	2.2	26
337	Dispersion Management in Highly Nonlinear, Carbon Disulfide Filled Holey Fibers. *IEEE Photonics Technology Letters*, **2008**, 20, 1449-1451	2.2	9
336	Comment on the reported fiber attenuations in the visible regime in "Fabrication of glass photonic crystal fibers with a die-cast process". *Applied Optics*, **2008**, 47, 5078-80; discussion 5081	0.2	1
335	. *Journal of Lightwave Technology*, **2008**, 26, 3110-3117	4	8
334	Optical interconnection of core and metro networks [Invited]. *Journal of Optical Networking*, **2008**, 7, 928		4
333	Generation of localized pulses from incoherent wave in optical fiber lines made of concatenated Mamyshev regenerators. *Journal of the Optical Society of America B: Optical Physics*, **2008**, 25, 1537	1.7	41
332	Analysis of a two-channel 2R all-optical regenerator based on a counter-propagating configuration. *Optics Express*, **2008**, 16, 2264-75	3.3	25
331	Robustly single mode hollow core photonic bandgap fiber. *Optics Express*, **2008**, 16, 4337-46	3.3	62
330	High energy femtosecond fiber chirped pulse amplification system with adaptive phase control. *Optics Express*, **2008**, 16, 5813-21	3.3	18
329	Single-mode tellurite glass holey fiber with extremely large mode area for infrared nonlinear applications. *Optics Express*, **2008**, 16, 13651-6	3.3	105

328	Broadband single-mode operation of standard optical fibers by using a sub-wavelength optical wire filter. *Optics Express*, **2008**, 16, 14661-7	3.3	76
327	High fidelity femtosecond pulses from an ultrafast fiber laser system via adaptive amplitude and phase pre-shaping. *Optics Express*, **2008**, 16, 15074-89	3.3	22
326	The effect of periodicity on the defect modes of large mode area microstructured fibers. *Optics Express*, **2008**, 16, 18631-45	3.3	7
325	Designing Tapered Holey Fibers for Soliton Compression. *IEEE Journal of Quantum Electronics*, **2008** , 44, 192-198	2	16
324	Detailed Comparison of Injection-Seeded and Self-Seeded Performance of a 1060-nm Gain-Switched Fabry□□ot Laser Diode. *IEEE Journal of Quantum Electronics*, **2008**, 44, 645-651	2	8
323	2R regeneration architectures based on multi-segmented fibres **2008**,		2
322	Timing jitter tolerant OTDM demultiplexing using a saw-tooth pulse shaper **2008**,		1
321	Efficient Wavelength Conversion Using Triangular Pulses Generated Using a SuperStructured Fiber Bragg Grating **2008**,		11
320	Developing Single-Mode Tellurite Glass Holey Fiber for Infrared Nonlinear Applications. *Advances in Science and Technology*, **2008**, 55, 108-117	0.1	3
319	Efficient higher-order mode filtering in multimode optical fiber based on an optical microwire **2008** ,		2
318	Optical Propulsion of Individual and Clustered Microspheres along Sub-Micron Optical Wires. *Japanese Journal of Applied Physics*, **2008**, 47, 6716-6718	1.4	18
317	Periodic Signal Processing Using a Brillouin Gain Comb **2008**,		1
316	Experimental Investigation of a Dispersion-Managed Multi-channel 2R Optical Regenerator **2008**,		3
315	Investigation of Timing Jitter Reduction in a bidirectional 2R All-Optical Mamyshev Regenerator **2008**,		2
314	TDM-to-WDM conversion from 130 Gbit/s to 3 □43 Gbit/s using XPM in a NOLM switch **2008**,		1
313	An all-optical grooming switch to interconnect access and metro ring networks **2008**,		1
312	Photonic bandgap fiber optical correlation spectroscopy gas sensor **2008**,		1
311	Broadband supercontinuum using single-mode/dual-mode tellurite glass holey fibers with large mode area **2008**,		1

310	Cavity ring-down in a photonic bandgap fiber gas cell **2008**,		4
309	High-brightness 210 □ pulsed Raman fiber source **2008**,		2
308	Recent Advances in Highly Nonlinear Microstructured Optical Fibers and their Applications **2008**,		1
307	In-situ thermal/Brillouin characterization of a high-power fiber laser based on Brillouin optical time domain analysis **2008**,		1
306	Characterization of XGM and XPM in a SOA-MZI using a Linear Frequency Resolved Gating Technique. *Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS*, **2007**,		4
305	Distributed-Phase OCDMA Encoder□Decoders Based on Fiber Bragg Gratings. *IEEE Photonics Technology Letters*, **2007**, 19, 574-576	2.2	2
304	Low Walk-Off Kerr-Shutter Using a Dispersion-Shifted Lead Silicate Holey Fiber. *IEEE Photonics Technology Letters*, **2007**, 19, 1112-1114	2.2	2
303	Self-similarity in ultrafast nonlinear optics. *Nature Physics*, **2007**, 3, 597-603	16.2	243
302	Look on the positive side! The orientation, identification and bioenergetics of 'Archaeal' membrane-bound nitrate reductases. *FEMS Microbiology Letters*, **2007**, 276, 129-39	2.9	92
301	Mid-IR Supercontinuum Generation From Nonsilica Microstructured Optical Fibers. *IEEE Journal of Selected Topics in Quantum Electronics*, **2007**, 13, 738-749	3.8	145
300	Generalisation and Experimental Validation of Design Rules for Self-Phase Modulation-based 2R-Regenerators **2007**,		7
299	Comparison of Mode Properties of 7 and 19 Cells Core Hollow-Core Photonic Crystal Fibers **2007**,		2
298	Demonstration of a 16-channel code-reconfigurable OCDMA/DWDM system **2007**,		3
297	Self-Phase Modulation-based 2R optical regenerator for the simultaneous processing of two WDM channels **2007**,		2
296	High Average Power, High Energy, Femto-second Fiber Chirped Pulse Amplification System **2007**,		1
295	Ultraviolet writing of channel waveguides in proton-exchanged LiNbO3. *Journal of Applied Physics*, **2007**, 101, 014110	2.5	3
294	Temporal-Talbot Effect Based All-Optical Clock Recovery Using Bragg gratings **2007**,		4
293	Suspended-core holey fiber for evanescent-field sensing. *Optical Engineering*, **2007**, 46, 010503	1.1	79

292	High-power high-brightness green laser based on a frequency doubled picosecond fiber laser **2007**,		1
291	Hollow-core photonic bandgap fibers based on a square lattice cladding. *Optics Letters*, **2007**, 32, 2282-43		15
290	Delay-gain decoupling in Brillouin-assisted slow light. *Optics Letters*, **2007**, 32, 2701-3	3	2
289	Optical manipulation of microspheres along a subwavelength optical wire. *Optics Letters*, **2007**, 32, 3041-3	3	96
288	Nonlinear tapered holey fibers with high stimulated Brillouin scattering threshold and controlled dispersion. *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 2185	1.7	21
287	Towards efficient and broadband four-wave-mixing using short-length dispersion tailored lead silicate holey fibers. *Optics Express*, **2007**, 15, 596-601	3.3	34
286	Parabolic pulse generation through passive nonlinear pulse reshaping in a normally dispersive two segment fiber device. *Optics Express*, **2007**, 15, 852-64	3.3	72
285	Efficient white light generation in secondary cores of holey fibers. *Optics Express*, **2007**, 15, 3729-36	3.3	19
284	Design scaling rules for 2R-optical self-phase modulation-based regenerators. *Optics Express*, **2007**, 15, 5100-13	3.3	68
283	Brillouin assisted slow-light enhancement via Fabry-Perot cavity effects. *Optics Express*, **2007**, 15, 5126-35	3.3	16
282	Micro-channels machined in microstructured optical fibers by femtosecond laser. *Optics Express*, **2007**, 15, 8731-6	3.3	93
281	Design of 7 and 19 cells core air-guiding photonic crystal fibers for low-loss, wide bandwidth and dispersion controlled operation. *Optics Express*, **2007**, 15, 17577-86	3.3	45
280	. *Journal of Lightwave Technology*, **2007**, 25, 216-221	4	19
279	. *Journal of Lightwave Technology*, **2007**, 25, 394-401	4	17
278	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2007**, 13, 1480-1486	3.8	8
277	Fiber Design For High-Power Low-Cost Yb:Al-Doped Fiber Laser Operating at 980 nm. *IEEE Journal of Selected Topics in Quantum Electronics*, **2007**, 13, 588-597	3.8	11
276	Linear-distortion compensation using XPM with parabolic pulses **2007**,		3
275	All-optical 160 Gbit/s RZ data retiming system incorporating a pulse shaping fibre Bragg grating **2007**,		6

274	Linear frequency resolved optical gating as a line monitoring tool **2006**,		1
273	80 W green laser based on a frequency-doubled picosecond, single-mode, linearly-polarized fiber laser **2006**,		2
272	Four-fold reduction in the speed of light at practical power levels using Brillouin scattering in a 2-m Bismuth-oxide fiber **2006**,		8
271	Novel fabrication method of highly-nonlinear silica holey fibres **2006**,		1
270	Advances and limitations in the modeling of fabricated photonic bandgap fibers **2006**,		1
269	Rapidly reconfigurable phase code generation and recognition using fiber Bragg gratings **2006**,		1
268	Realistic designs of silica hollow-core bandgap fibers free of surface **2006**,		1
267	Reconfigurable all-optical packet switching based on fiber Bragg gratings **2006**,		2
266	Comparative study of spectrum-sliced incoherent light systems employing SOA-based noise suppression **2006**,		1
265	High average power, high repetition rate, picosecond pulsed fiber master oscillator power amplifier source seeded by a gain-switched laser diode at 1060 nm. *IEEE Photonics Technology Letters*, **2006**, 18, 1013-1015	2.2	75
264	Errata to "All-Optical Pulse Reshaping and Retiming Systems Incorporating Pulse Shaping Fiber Bragg Grating" *Journal of Lightwave Technology*, **2006**, 24, 2963-2963	4	1
263	Pulse retiming based on XPM using parabolic pulses formed in a fiber Bragg grating. *IEEE Photonics Technology Letters*, **2006**, 18, 829-831	2.2	45
262	Rapidly reconfigurable optical phase encoder-decoders based on fiber Bragg gratings. *IEEE Photonics Technology Letters*, **2006**, 18, 1216-1218	2.2	12
261	Optical regeneration using self-phase modulation and quasi-continuous filtering. *IEEE Photonics Technology Letters*, **2006**, 18, 1350-1352	2.2	3
260	Performance comparison of spectrum-slicing techniques employing SOA-based noise suppression at the transmitter or receiver. *IEEE Photonics Technology Letters*, **2006**, 18, 1494-1496	2.2	6
259	A Reconfigurable Optical Header Recognition System for Optical Packet Routing Applications. *IEEE Photonics Technology Letters*, **2006**, 18, 2395-2397	2.2	2
258	Non-silica microstructured optical fibers for mid-IR supercontinuum generation from 2 μm - 5 μm **2006**,		10
257	Opportunities in high-power fiber lasers **2006**,		1

256	Cascaded-chi(2)-interaction-based frequency-resolved optical gating in a periodically poled LiNbO3 waveguide. *Optics Letters*, **2006**, 31, 244-6	3	2
255	Guided-wave second-harmonic generation in a LiNbO3 nonlinear photonic crystal. *Optics Letters*, **2006**, 31, 1232-4	3	20
254	Brillouin characterization of holey optical fibers. *Optics Letters*, **2006**, 31, 2541-3	3	11
253	Pulse compression at 1.06 microm in dispersion-decreasing holey fibers. *Optics Letters*, **2006**, 31, 3504-6	3	40
252	Parabolic pulse evolution in normally dispersive fiber amplifiers preceding the similariton formation regime. *Optics Express*, **2006**, 14, 3161-70	3.3	76
251	Supercontinuum generation at 1.06 mum in holey fibers with dispersion flattened profiles. *Optics Express*, **2006**, 14, 4445-51	3.3	90
250	2R regenerator based on a 2-m-long highly nonlinear bismuth oxide fiber. *Optics Express*, **2006**, 14, 5038-44	3.3	21
249	Ultra-flat SPM-broadened spectra in a highly nonlinear fiber using parabolic pulses formed in a fiber Bragg grating. *Optics Express*, **2006**, 14, 7617-22	3.3	114
248	Optimizing the usable bandwidth and loss through core design in realistic hollow-core photonic bandgap fibers. *Optics Express*, **2006**, 14, 7974-85	3.3	62
247	High-power, high repetition rate picosecond and femtosecond sources based on Yb-doped fiber amplification of VECSELs. *Optics Express*, **2006**, 14, 9611-6	3.3	67
246	Square core jacketed air-clad fiber. *Optics Express*, **2006**, 14, 10345-50	3.3	27
245	Adaptive pulse shape control in a diode-seeded nanosecond fiber MOPA system. *Optics Express*, **2006**, 14, 10996-1001	3.3	64
244	Microstructured fibers for broadband wavefront filtering in the mid-IR. *Optics Express*, **2006**, 14, 11773-86	3.3	8
243	Optimisation of cascaded Yb fiber amplifier chains using numerical-modelling. *Optics Express*, **2006**, 14, 12846-58	3.3	17
242	High-nonlinearity dispersion-shifted lead-silicate holey fibers for efficient 1-/spl mu/m pumped supercontinuum generation. *Journal of Lightwave Technology*, **2006**, 24, 183-190	4	86
241	. *Journal of Lightwave Technology*, **2006**, 24, 357-364	4	26
240	OTDM add-drop multiplexer based on time-frequency signal processing. *Journal of Lightwave Technology*, **2006**, 24, 2720-2732	4	12
239	1 W average power at 589 nm from a frequency doubled pulsed Raman fiber MOPA system **2006**, 6102, 348		8

238	Microstructured fibres: a positive impact on defence technology? **2006**, 6397, 639702		
237	Short pulse high power fiber laser systems **2005**,		1
236	Advances in microstructured fiber technology **2005**,		1
235	. *Journal of Lightwave Technology*, **2005**, 23, 2399-2409	4	88
234	Frequency-resolved optical gating in the 155 μm band via cascaded chi^(2) processes. *Journal of the Optical Society of America B: Optical Physics*, **2005**, 22, 1985	1.7	4
233	Inverse design and fabrication tolerances of ultra-flattened dispersion holey fibers. *Optics Express*, **2005**, 13, 3728-36	3.3	173
232	The effect of core asymmetries on the polarization properties of hollow core photonic bandgap fibers. *Optics Express*, **2005**, 13, 9115-24	3.3	53
231	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. *Optics Letters*, **2005**, 30, 290-2	3	8
230	Microstructured fibers for sensing applications **2005**, 6005, 78		19
229	Efficient low-threshold lasers based on an erbium-doped holey fiber. *IEEE Photonics Technology Letters*, **2005**, 17, 25-27	2.2	17
228	Improving signal quality in a spectrum-sliced WDM system using SOA-based noise reduction. *IEEE Photonics Technology Letters*, **2005**, 17, 241-243	2.2	16
227	Synchronously pumped optical parametric oscillator with a repetition rate of 81.8 GHz. *IEEE Photonics Technology Letters*, **2005**, 17, 483-485	2.2	14
226	Compact high-power tunable three-level operation of double cladding Nd-doped fiber laser. *IEEE Photonics Technology Letters*, **2005**, 17, 306-308	2.2	28
225	Frequency-resolved optical gating in a quasi-phase-matched LiNbO3 waveguide. *IEEE Photonics Technology Letters*, **2005**, 17, 849-851	2.2	3
224	Direct characterization of the spatial effective refractive index profile in Bragg gratings. *IEEE Photonics Technology Letters*, **2005**, 17, 2685-2687	2.2	9
223	Extruded singlemode, high-nonlinearity, tellurite glass holey fibre. *Electronics Letters*, **2005**, 41, 835	1.1	52
222	Generation of ultra-flat SPM-broadened spectra in a highly nonlinear fiber using pulse pre-shaping in a fiber Bragg grating **2005**,		6
221	Microstructured fibers for high power applications **2005**,		2

220	Improving bending losses in holey fibers **2005**,		2
219	Heavy metal oxide glass holey fibers with high nonlinearity **2005**,		3
218	Chaperones involved in assembly and export of N-oxide reductases. *Biochemical Society Transactions*, **2005**, 33, 124-6	5.1	9
217	Comparison between nonlinear and linear spectrographic techniques for the complete characterization of high bit-rate pulses used in optical communications. *IEEE Photonics Technology Letters*, **2005**, 17, 1914-1916	2.2	13
216	40 GHz Adiabatic Soliton Generation from a Dual Frequency Beat Signal Using Dispersion Decreasing Fiber Based Raman Amplification **2005**, 409-415		
215	Compound-glass optical nanowires. *Electronics Letters*, **2005**, 41, 400	1.1	89
214	Supercontinuum generation in tapered bismuth silicate fibres. *Electronics Letters*, **2005**, 41, 795	1.1	31
213	321 W average power, 1 GHz, 20 ps, 1060 nm pulsed fiber MOPA source **2005**,		11
212	Extruded single-mode high-index-core one-dimensional microstructured optical fiber with high index-contrast for highly nonlinear optical devices. *Applied Physics Letters*, **2005**, 87, 081110	3.4	27
211	Signal peptide-chaperone interactions on the twin-arginine protein transport pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 8460-5	11.5	78
210	32 W of average power in 24-fs pulses from a passively mode-locked thin disk laser with nonlinear fiber compression **2005**,		1
209	Erbium Doped Holey Fiber Devices **2004**, OMD4		2
208	Cold atoms probe the magnetic field near a wire. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2004**, 37, L15-L20	1.3	36
207	Intensity noise suppression in fibre DFB laser using gain saturated SOA. *Electronics Letters*, **2004**, 40, 107	1.1	14
206	Architecture of NarGH reveals a structural classification of Mo-bisMGD enzymes. *Structure*, **2004**, 12, 95-104	5.2	177
205	Wavelength tunable 10 GHz, 3 ps pulse source using a dispersion decreasing fiber based nonlinear optical loop mirror. *IEEE Journal of Selected Topics in Quantum Electronics*, **2004**, 10, 181-185	3.8	9
204	Filtering effects in a spectrum-sliced WDM system using SOA-based noise reduction. *IEEE Photonics Technology Letters*, **2004**, 16, 680-682	2.2	27
203	Wavelength and duration-tunable 10-GHz 1.3-ps pulse source using dispersion decreasing fiber-based distributed Raman amplification. *IEEE Photonics Technology Letters*, **2004**, 16, 1167-1169	2.2	11

202	All-optical packet compression based on time-to-wavelength conversion. *IEEE Photonics Technology Letters*, **2004**, 16, 1688-1690	2.2	13
201	977-nm all-fiber DFB laser. *IEEE Photonics Technology Letters*, **2004**, 16, 2442-2444	2.2	12
200	Fabrication and optical properties of lead silicate glass holey fibers. *Journal of Non-Crystalline Solids* , **2004**, 345-346, 293-296	3.9	4
199	Polarization mode dispersion reduction in spun large mode area silica holey fibres. *Optics Express*, **2004**, 12, 1972-7	3.3	26
198	40 GHz adiabatic compression of a modulator based dual frequency beat signal using Raman amplification in dispersion decreasing fiber. *Optics Express*, **2004**, 12, 2187-92	3.3	10
197	Ultra-low-loss optical fiber nanotapers. *Optics Express*, **2004**, 12, 2258-63	3.3	325
196	High gain efficiency amplifier based on an erbium doped aluminosilicate holey fiber. *Optics Express*, **2004**, 12, 3452-8	3.3	19
195	Bismuth glass holey fibers with high nonlinearity. *Optics Express*, **2004**, 12, 5082-7	3.3	196
194	High-power, high-brightness, mJ Q-switched ytterbium-doped fibre laser. *Electronics Letters*, **2004**, 40, 928	1.1	30
193	Ultrashort-pulse Yb3+-fiber-based laser and amplifier system producing >25-W average power. *Optics Letters*, **2004**, 29, 2073-5	3	52
192	Fundamentals and applications of silica and nonsilica holey fibers **2004**, 5350, 35		4
191	Second-harmonic generation in hexagonally-poled lithium niobate slab waveguides. *Electronics Letters*, **2003**, 39, 75	1.1	4
190	Seeded erbium–ytterbium codoped fibre amplifier source with 87 W of single-frequency output power. *Electronics Letters*, **2003**, 39, 1717	1.1	6
189	Soliton-self-frequency-shift effects and pulse compression in an anomalously dispersive high nonlinearity lead silicate holey fiber **2003**,		8
188	Fibre Bragg grating compression-tuned over 110 nm. *Electronics Letters*, **2003**, 39, 509	1.1	39
187	UV generation in a pure-silica holey fiber. *Applied Physics B: Lasers and Optics*, **2003**, 77, 291-298	1.9	32
186	A 103 W erbium–ytterbium co-doped large-core fiber laser. *Optics Communications*, **2003**, 227, 159-163	2	47
185	Understanding bending losses in holey optical fibers. *Optics Communications*, **2003**, 227, 317-335	2	78

184	Holey optical fibres: Fundamental properties and device applications. *Comptes Rendus Physique*, **2003**, 4, 175-186	1.4	38
183	Demonstration of a full-duplex bidirectional spectrally interleaved OCDMA/DWDM system. *IEEE Photonics Technology Letters*, **2003**, 15, 482-484	2.2	5
182	A tunable WDM wavelength converter based on cross-phase modulation effects in normal dispersion holey fiber. *IEEE Photonics Technology Letters*, **2003**, 15, 437-439	2.2	42
181	Four-wave mixing based 10-Gb/s tunable wavelength conversion using a holey fiber with a high SBS threshold. *IEEE Photonics Technology Letters*, **2003**, 15, 440-442	2.2	83
180	Reconfigurable multilevel phase-shift keying encoder-decoder for all-optical networks. *IEEE Photonics Technology Letters*, **2003**, 15, 431-433	2.2	24
179	Fiber-DFB laser array pumped with a single 1-W CW Yb-fiber laser. *IEEE Photonics Technology Letters*, **2003**, 15, 655-657	2.2	13
178	The role of confinement loss in highly nonlinear silica holey fibers. *IEEE Photonics Technology Letters*, **2003**, 15, 1246-1248	2.2	42
177	A 36-channel x 10-GHz spectrally sliced pulse source based on supercontinuum generation in normally dispersive highly nonlinear holey fiber. *IEEE Photonics Technology Letters*, **2003**, 15, 1689-1691	2.2	39
176	. *Journal of Lightwave Technology*, **2003**, 21, 2518-2523	4	13
175	Nonlinear femtosecond pulse compression at high average power levels by use of a large-mode-area holey fiber. *Optics Letters*, **2003**, 28, 1951-3	3	95
174	Small-core silica holey fibers: nonlinearity and confinement loss trade-offs. *Journal of the Optical Society of America B: Optical Physics*, **2003**, 20, 1427	1.7	100
173	Highly nonlinear and anomalously dispersive lead silicate glass holey fibers. *Optics Express*, **2003**, 11, 3568-73	3.3	133
172	Ytterbium-doped large-core fibre laser with 272 W output power. *Electronics Letters*, **2003**, 39, 977	1.1	25
171	A quasi-mode interpretation of radiation modes in long-period fiber gratings. *IEEE Journal of Quantum Electronics*, **2003**, 39, 1135-1142	2	9
170	Characterization of the expression and activity of the periplasmic nitrate reductase of Paracoccus pantotrophus in chemostat cultures. *Microbiology (United Kingdom)*, **2003**, 149, 1533-1540	2.9	19
169	Rhodobacter capsulatus gains a competitive advantage from respiratory nitrate reduction during light-dark transitions. *Microbiology (United Kingdom)*, **2003**, 149, 941-948	2.9	14
168	The mathematical modelling of capillary drawing for holey fibre manufacture. *Journal of Engineering Mathematics*, **2002**, 43, 201-227	1.2	73
167	Holey fibers: new possibilities for guiding and manipulating light **2002**,		4

166	High nonlinearity extruded single-mode holey optical fibers **2002**,		9
165	Holey fibers: fundamentals and applications **2002**,		1
164	Spectral properties of bacterial nitric oxide reductase. *Biochemical Society Transactions*, **2002**, 30, A76-A76		61
163	Keyed axis single-polarisation all-fibre DFB laser. *Electronics Letters*, **2002**, 38, 1537	1.1	9
162	Practical low-noise stretched-pulse Yb(3+)-doped fiber laser. *Optics Letters*, **2002**, 27, 291-3	3	56
161	Raman effects in a highly nonlinear holey fiber: amplification and modulation. *Optics Letters*, **2002**, 27, 424-6	3	67
160	Investigation of Brillouin effects in small-core holey optical fiber: lasing and scattering. *Optics Letters*, **2002**, 27, 927-9	3	49
159	Synchronously pumped optical parametric oscillator driven by a femtosecond mode-locked fiber laser. *Optics Letters*, **2002**, 27, 1052-4	3	24
158	Tunable, femtosecond pulse source operating in the range 1061133 m based on an Yb^3+-doped holey fiber amplifier. *Journal of the Optical Society of America B: Optical Physics*, **2002**, 19, 1286	1.7	48
157	Temperature and wavelength tuning of second-, third-, and fourth-harmonic generation in a two-dimensional hexagonally poled nonlinear crystal. *Journal of the Optical Society of America B: Optical Physics*, **2002**, 19, 2263	1.7	52
156	Soliton transmission and supercontinuum generation in holey fiber, using a diode pumped Ytterbium fiber source. *Optics Express*, **2002**, 10, 382-7	3.3	58
155	. *Journal of Lightwave Technology*, **2002**, 20, 36-46	4	26
154	All-optical modulation and demultiplexing systems with significant timing jitter tolerance through incorporation of pulse-shaping fiber Bragg gratings. *IEEE Photonics Technology Letters*, **2002**, 14, 203-205	2.2	15
153	Demonstration of a four-channel WDM/OCDMA system using 255-chip 320-Gchip/s quarternary phase coding gratings. *IEEE Photonics Technology Letters*, **2002**, 14, 227-229	2.2	63
152	A holey fiber-based nonlinear thresholding device for optical CDMA receiver performance enhancement. *IEEE Photonics Technology Letters*, **2002**, 14, 876-878	2.2	61
151	Extruded singlemode non-silica glass holey optical fibres. *Electronics Letters*, **2002**, 38, 546	1.1	116
150	Continuous-wave pumped holey fiber Raman laser **2002**,		5
149	Confinement loss in highly nonlinear holey optical fibres **2002**,		1

148	Modelocked laser based on ytterbium doped holey fibre. *Electronics Letters*, **2001**, 37, 560	1.1	30
147	Functional, biochemical and genetic diversity of prokaryotic nitrate reductases. *Cellular and Molecular Life Sciences*, **2001**, 58, 165-78	10.3	321
146	A tunable, femtosecond pulse source operating in the range 1.06-1.33 microns based on an Yb doped holey fiber amplifier **2001**,		1
145	Demonstration of thermal poling in holey fibres. *Electronics Letters*, **2001**, 37, 107	1.1	19
144	Generation, recognition and recoding of 64-chip bipolar optical code sequences using superstructured fibre Bragg gratings. *Electronics Letters*, **2001**, 37, 190	1.1	4
143	Nanosecond dynamics of a gallium mirror light-induced reflectivity change. *Physical Review B*, **2001**, 63,	3.3	22
142	Light-induced metallization at the gallium-silica interface. *Physical Review B*, **2001**, 64,	3.3	11
141	7.7 mJ pulses from a large core Yb-doped cladding pumped Q-switched fibre laser **2001**,		5
140	A practical, low-noise, stretched pulse Yb/sup 3+/ doped fiber laser **2001**,		1
139	Reduction of interchannel interference noise in a two-channel grating-based OCDMA system using a nonlinear optical loop mirror. *IEEE Photonics Technology Letters*, **2001**, 13, 529-531	2.2	17
138	Broad-band second-harmonic generation in holey optical fibers. *IEEE Photonics Technology Letters*, **2001**, 13, 981-983	2.2	25
137	Demonstration of a 64-chip OCDMA system using superstructured fiber gratings and time-gating detection. *IEEE Photonics Technology Letters*, **2001**, 13, 1239-1241	2.2	21
136	Jacketed air-clad cladding pumped ytterbium-doped fibre laser with wide tuning range. *Electronics Letters*, **2001**, 37, 1116	1.1	28
135	Sensing with microstructured optical fibres. *Measurement Science and Technology*, **2001**, 12, 854-858	2	266
134	Catalytic protein film voltammetry from a respiratory nitrate reductase provides evidence for complex electrochemical modulation of enzyme activity. *Biochemistry*, **2001**, 40, 11294-307	3.2	102
133	Comparative study of large-mode holey and conventional fibers. *Optics Letters*, **2001**, 26, 1045-7	3	51
132	2R-regenerative all-optical switch based on a highly nonlinear holey fiber. *Optics Letters*, **2001**, 26, 1233-5	3	107
131	. *Journal of Lightwave Technology*, **2001**, 19, 746-752	4	96

130	. *Journal of Lightwave Technology*, **2001**, 19, 1352-1365	4	103
129	Cladding pumped Ytterbium-doped fiber laser with holey inner and outer cladding. *Optics Express*, **2001**, 9, 714-20	3.3	129
128	Characteristics of Q-switched cladding-pumped ytterbium-doped fiber lasers with different high-energy fiber designs. *IEEE Journal of Quantum Electronics*, **2001**, 37, 199-206	2	94
127	Introduction to the issue on novel and specialty fibers. *IEEE Journal of Selected Topics in Quantum Electronics*, **2001**, 7, 401-402	3.8	1
126	Phase encoding and decoding of short pulses at 10 Gb/s using superstructured fiber Bragg gratings. *IEEE Photonics Technology Letters*, **2001**, 13, 154-156	2.2	29
125	Assignment of haem ligands and detection of electronic absorption bands of molybdenum in the di-haem periplasmic nitrate reductase of Paracoccus pantotrophus. *FEBS Letters*, **2001**, 500, 71-4	3.8	11
124	Holey fibres: properties, applications and future directions **2001**,		1
123	Exploring the optical properties of holey fibres. *AIP Conference Proceedings*, **2001**,	0	3
122	The fabrication and modelling of non-silica microstructured optical fibres **2001**,		1
121	A highly nonlinear holey fiber and its application in a regenerative optical switch **2001**,		2
120	The light-induced structural phase transition in confining gallium and its photonic applications. *Journal of Luminescence*, **2000**, 87-89, 646-648	3.8	2
119	Hexagonally poled lithium niobate: A two-dimensional nonlinear photonic crystal. *Physical Review Letters*, **2000**, 84, 4345-8	7.4	356
118	Cross-phase modulation effects in nonlinear fiber Bragg gratings. *Journal of the Optical Society of America B: Optical Physics*, **2000**, 17, 345	1.7	10
117	Modeling large air fraction holey optical fibers. *Journal of Lightwave Technology*, **2000**, 18, 50-56	4	144
116	High-energy, high-power ytterbium-doped Q-switched fiber laser. *Optics Letters*, **2000**, 25, 37-9	3	129
115	Holey fibers with random cladding distributions. *Optics Letters*, **2000**, 25, 206-8	3	96
114	Generation of a 40-GHz pulse stream by pulse multiplication with a sampled fiber Bragg grating. *Optics Letters*, **2000**, 25, 521-3	3	79
113	Nonlinear switching in a 20-cm-long fiber Bragg grating. *Optics Letters*, **2000**, 25, 536-8	3	40

112	Spectral features associated with nonlinear pulse compression in Bragg gratings. *Optics Letters*, **2000**, 25, 740-2	3	10
111	Light-induced specular-reflectivity suppression at a gallium/silica interface. *Optics Letters*, **2000**, 25, 1594-6	3	4
110	Propagation of cold atoms along a miniature magnetic guide. *Physical Review Letters*, **2000**, 84, 1371-3	7.4	136
109	Chalcogenide holey fibres. *Electronics Letters*, **2000**, 36, 1998	1.1	149
108	Assorted core air-clad fibre. *Electronics Letters*, **2000**, 36, 2065	1.1	2
107	Control of periplasmic nitrate reductase gene expression (napEDABC) from Paracoccus pantotrophus in response to oxygen and carbon substrates. *Microbiology (United Kingdom)*, **2000**, 146 (Pt 11), 2977-2985	2.9	55
106	Shaping of soliton- into rectangular-pulses using a superstructure fiber Bragg grating **1999**, AD1		
105	Efficient modelling of holey fibers **1999**,		4
104	A robust, large air fill fraction holey fibre **1999**,		1
103	Passive Q-switching of an Er3+:Yb3+ fibre laser with a fibrised liquefying gallium mirror. *Optics Communications*, **1999**, 166, 239-243	2	9
102	Open conformation of a flavocytochrome c3 fumarate reductase. *Nature Structural Biology*, **1999**, 6, 1104-7		61
101	Large Mode Area Fibers for High Power Applications. *Optical Fiber Technology*, **1999**, 5, 185-196	2.4	89
100	Developing holey fibres for evanescent field devices. *Electronics Letters*, **1999**, 35, 1188	1.1	117
99	Passive Q-switching of fiber lasers using a broadband liquefying gallium mirror. *Applied Physics Letters*, **1999**, 74, 3619-3621	3.4	43
98	Models for molybdenum coordination during the catalytic cycle of periplasmic nitrate reductase from Paracoccus denitrificans derived from EPR and EXAFS spectroscopy. *Biochemistry*, **1999**, 38, 9000-12	3.2	89
97	A low-redox potential heme in the dinuclear center of bacterial nitric oxide reductase: implications for the evolution of energy-conserving heme-copper oxidases. *Biochemistry*, **1999**, 38, 13780-6	3.2	102
96	Cross-wavelength all-optical switching using nonlinearity of liquefying gallium. *Optics Express*, **1999** , 5, 157-62	3.3	10
95	Holey optical fibers: an efficient modal model. *Journal of Lightwave Technology*, **1999**, 17, 1093-1102	4	237

94	Noise properties and phase resolution of interferometer systems interrogated by narrowband fiber ASE sources. *Journal of Lightwave Technology*, **1999**, 17, 2327-2335	4	30
93	Greater than 20%-efficient frequency doubling of 1532-nm nanosecond pulses in quasi-phase-matched germanosilicate optical fibers. *Optics Letters*, **1999**, 24, 208-10	3	75
92	Passively Q-switched 0.1-mJ fiber laser system at 1.53 mum. *Optics Letters*, **1999**, 24, 388-90	3	189
91	High-power chirped-pulse all-fiber amplification system based on large-mode-area fiber gratings. *Optics Letters*, **1999**, 24, 566-8	3	25
90	Nonlinear propagation effects in an AlGaAs Bragg grating filter. *Optics Letters*, **1999**, 24, 685-7	3	87
89	Parametric oscillator directly pumped by a 1.55-mum erbium-fiber laser. *Optics Letters*, **1999**, 24, 975-7	3	17
88	Toward practical holey fiber technology: fabrication, splicing, modeling, and characterization. *Optics Letters*, **1999**, 24, 1203-5	3	111
87	Nonlinearity in holey optical fibers: measurement and future opportunities. *Optics Letters*, **1999**, 24, 1395-7	3	225
86	Nonlinearity in holey optical fibers: measurement and future opportunities-errata. *Optics Letters*, **1999**, 24, 1647	3	1
85	Soliton Effects in an AlGaAs Bragg Grating. *Optics and Photonics News*, **1999**, 10, 43	1.9	4
84	Characterization of a flavocytochrome that is induced during the anaerobic respiration of Fe3+ by Shewanella frigidimarina NCIMB400. *Biochemical Journal*, **1999**, 342, 439-448	3.8	58
83	HeXLN: A 2-Dimensional nonlinear photonic crystal **1999**,		1
82	Highly efficient second-harmonic and sum-frequency generation of nanosecond pulses in a cascaded erbium-doped fiber:periodically poled lithium niobate source. *Optics Letters*, **1998**, 23, 162-4	3	40
81	All-optical AND gate based on coupled gap-soliton formation in a fiber Bragg grating. *Optics Letters* , **1998**, 23, 259-61	3	56
80	Nonlinear self-switching and multiple gap-soliton formation in a fiber Bragg grating. *Optics Letters*, **1998**, 23, 328-30	3	117
79	Optical parametric oscillation in periodically poled lithium niobate driven by a diode-pumped Q-switched erbium fiber laser. *Optics Letters*, **1998**, 23, 582-4	3	38
78	Interrogation of fiber grating sensor arrays with a wavelength-swept fiber laser. *Optics Letters*, **1998**, 23, 843-5	3	159
77	Wavelength-tunable high-power picosecond pulses from a fiber-pumped diode-seeded high-gain parametric amplifier. *Optics Letters*, **1998**, 23, 1588-90	3	14

76	High-energy single-transverse-mode Q-switched fiber laser based on a multimode large-mode-area erbium-doped fiber. *Optics Letters*, **1998**, 23, 1683-5	3	99
75	Nonlinear switching in fibre Bragg gratings. *Optics Express*, **1998**, 3, 447-53	3.3	32
74	Power scaling in passively mode-locked large-mode area fiber lasers. *IEEE Photonics Technology Letters*, **1998**, 10, 1718-1720	2.2	23
73	A photonic switch based on a gigantic, reversible optical nonlinearity of liquefying gallium. *Applied Physics Letters*, **1998**, 73, 1787-1789	3.4	40
72	Efficient harmonic generation with large-mode-area fiber sources **1998**,		1
71	Light-Induced Structural Phase Transition in Confining Gallium and Associated Gigantic Optical Nonlinearity. *Materials Research Society Symposia Proceedings*, **1998**, 543, 275		
70	European Union ACTS Project MIDAS: Objectives and Progress to Date. *Solid-state Science and Technology Library*, **1998**, 459-471		
69	Q-switched erbium doped fibre laser utilising a novel large mode area fibre. *Electronics Letters*, **1997**, 33, 393	1.1	36
68	Optical Pulse Compression in Fiber Bragg Gratings. *Physical Review Letters*, **1997**, 79, 4566-4569	7.4	52
67	All-fiber acoustooptic filter with low-polarization sensitivity and no frequency shift. *IEEE Photonics Technology Letters*, **1997**, 9, 461-463	2.2	6
66	Distributed dispersion measurements and control within continuously varying dispersion tapered fibers. *IEEE Photonics Technology Letters*, **1997**, 9, 1511-1513	2.2	5
65	Diode-pumped, high-energy, single transverse mode Q-switch fibre laser. *Electronics Letters*, **1997**, 33, 1955	1.1	18
64	Low-loss all-fiber acousto-optic tunable filter. *Optics Letters*, **1997**, 22, 96-8	3	12
63	Stretched pulse Yb(3+)silica fiber laser. *Optics Letters*, **1997**, 22, 316-8	3	63
62	158-microJ pulses from a single-transverse-mode, large-mode-area erbium-doped fiber amplifier. *Optics Letters*, **1997**, 22, 378-80	3	114
61	Experimental observation of nonlinear pulse compression in nonuniform Bragg gratings. *Optics Letters*, **1997**, 22, 1837-9	3	27
60	Wavelength-swept fiber laser with frequency shifted feedback and resonantly swept intra-cavity acoustooptic tunable filter. *IEEE Journal of Selected Topics in Quantum Electronics*, **1997**, 3, 1087-1096	3.8	42
59	Bacterial Cadmium Sulfide Semiconductor Particles: An Assessment of their Photoactivity by EPR Spectroscopy. *Photochemistry and Photobiology*, **1997**, 65, 811-817	3.6	8

58	Identification of an assimilatory nitrate reductase in mutants of Paracoccus denitrificans GB17 deficient in nitrate respiration. *Archives of Microbiology*, **1997**, 167, 61-6	3	29
57	Experimental demonstration of intermodal dispersion in a two-core optical fibre. *Optics Communications*, **1997**, 143, 189-192	2	42
56	Effect of carbon substrate and aeration on nitrate reduction and expression of the periplasmic and membrane-bound nitrate reductases in carbon-limited continuous cultures of Pd1222. *Microbiology (United Kingdom)*, **1997**, 143, 3767-3774	2.9	40
55	Periodically amplified system based on loss compensating dispersion decreasing fibre. *Electronics Letters*, **1996**, 32, 373	1.1	15
54	The influence of chelating agents upon the dissimilatory reduction of Fe(III) byShewanella putrefaciens. Part 2. Oxo-and hydroxo-bridged polynuclear Fe(III) complexes. *BioMetals*, **1996**, 9, 291-301	3.4	13
53	Dissimilatory iron(III) reduction by. *Microbiology (United Kingdom)*, **1996**, 142, 765-774	2.9	42
52	Dispersion Decreasing Fibres for Soliton Generation and Transmission Line Loss Compensation. *Solid-state Science and Technology Library*, **1996**, 277-291		2
51	High Frequency Bright and Dark Soliton Sources Based on Dispersion Profiled Fibre Circuitry and Their Applications **1996**, 157-160		
50	The influence of chelating agents upon the dissimilatory reduction of Fe(III) by Shewanella putrefaciens. *BioMetals*, **1995**, 8, 163	3.4	23
49	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. *Molecular Microbiology*, **1995**, 15, 319-31	4.1	128
48	All-optical modulation of 40 GHz beat frequency conversion soliton source. *Electronics Letters*, **1995** , 31, 1362-1364	1.1	7
47	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. *Electronics Letters*, **1995**, 31, 470-472	1.1	7
46	Dispersion compensation of 16 ps pulses over 100 km of step-index fibre using cascaded chirped fibre gratings. *Electronics Letters*, **1995**, 31, 1004-1006	1.1	3
45	Experimental investigation of picosecond pulse reflection from fiber gratings. *Optics Letters*, **1995**, 20, 282-4	3	12
44	All-fiber sliding-frequency Er (3+) / Yb (3+) soliton laser. *Optics Letters*, **1995**, 20, 2381	3	26
43	Investigation of fiber grating-based performance limits in pulse stretching and recompression schemes using bidirectional reflection from a linearly chirped fiber grating. *IEEE Photonics Technology Letters*, **1995**, 7, 1436-1438	2.2	9
42	High quality soliton loss-compensation in 38 km dispersion-decreasing fibre. *Electronics Letters*, **1995**, 31, 1681-1682	1.1	29
41	Experimental demonstration of 100 GHz dark soliton generation and propagation using a dispersion decreasing fibre. *Electronics Letters*, **1994**, 30, 1326-1327	1.1	52

40	Effects of gravity on the storage of ultracold neutrons. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1994**, 337, 504-511	1.2	12
39	Mo(V) electron paramagnetic resonance signals from the periplasmic nitrate reductase of Thiosphaera pantotropha. *FEBS Journal*, **1994**, 226, 789-98		45
38	. *IEEE Photonics Technology Letters*, **1994**, 6, 1380-1382	2.2	10
37	Characterization of the paramagnetic iron-containing redox centres of Thiosphaera pantotropha periplasmic nitrate reductase. *FEBS Letters*, **1994**, 345, 76-80	3.8	50
36	Transmission of 6 ps linear pulses over 50 km of standard fiber using midpoint spectral inversion to eliminate dispersion. *IEEE Journal of Quantum Electronics*, **1994**, 30, 2114-2119	2	6
35	. *IEEE Photonics Technology Letters*, **1993**, 5, 492-494	2.2	28
34	114 Gbit/s soliton train generation through Raman self-scattering of a dual frequency beat signal in dispersion decreasing optical fiber. *Applied Physics Letters*, **1993**, 63, 293-295	3.4	56
33	Passive harmonic modelocking of a fibre soliton ring laser. *Electronics Letters*, **1993**, 29, 1860	1.1	129
32	Characterization of a self-starting, passively mode-locked fiber ring laser that exploits nonlinear polarization evolution. *Optics Letters*, **1993**, 18, 358-60	3	87
31	Soliton pulse compression in dispersion-decreasing fiber. *Optics Letters*, **1993**, 18, 476-8	3	158
30	Selfstarting passively mode-locked fibre ring soliton laser exploiting nonlinear polarisation rotation. *Electronics Letters*, **1992**, 28, 1391	1.1	339
29	Measurement of group birefringence and dispersion of polarisation maintaining erbium-doped silica fibre. *Electronics Letters*, **1992**, 28, 2140	1.1	1
28	Picosecond soliton pulse compressor based on dispersion decreasing fibre. *Electronics Letters*, **1992** , 28, 1842	1.1	54
27	Passive, all-fibre source of 30 fs pulses. *Electronics Letters*, **1992**, 28, 778	1.1	16
26	70 Gbit/s fibre based source of fundamental solitons at 1550 nm. *Electronics Letters*, **1992**, 28, 1210	1.1	28
25	Nd:YAG laser pumped picosecond Yb3+/Er3+ fibre laser. *Electronics Letters*, **1992**, 28, 766	1.1	4
24	Energy quantisation in figure eight fibre laser. *Electronics Letters*, **1992**, 28, 67-68	1.1	174
23	Amplification of femtosecond pulses in a passive, all-fiber soliton source. *Optics Letters*, **1992**, 17, 1596-8		31

22	Switching and passive mode-locking of fiber lasers using nonlinear loop mirrors (Invited Paper) **1992**,		2
21	Pulse repetition rates in passive, selfstarting, femtosecond soliton fibre laser. *Electronics Letters*, **1991**, 27, 1451	1.1	74
20	Measurement of the energy dependence of the neutron loss per bounce function on reflection from oil and grease surfaces using monochromatic ultracold neutrons. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1991**, 308, 568-573	1.2	19
19	320 fs soliton generation with passively mode-locked erbium fibre laser. *Electronics Letters*, **1991**, 27, 730	1.1	133
18	Selfstarting, passively modelocked erbium fibre ring laser based on the amplifying Sagnac switch. *Electronics Letters*, **1991**, 27, 542	1.1	124
17	A search for the electric dipole moment of the neutron. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 234, 191-196	4.2	306
16	Very low threshold Sagnac switch incorporating an erbium doped fibre amplifier. *Electronics Letters* , **1990**, 26, 1779	1.1	27
15	Demonstrations of Berry's phase using polarised neutrons. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1989**, 284, 192-196	1.2	5
14	Demonstration of Berry's phase using stored ultra-cold neutrons. *Physical Review Letters*, **1988**, 61, 2030-2033	7.4	99
13	Supercontinuum generation and nonlinearity in soft glass fibres82-118		2
12	Wavelength-swept fiber laser with frequency-shifted feedback		2
11	Buried slab waveguides in LiNbO/sub 3/ nonlinear photonic crystals		1
10	Intensity noise reduction of incoherent light using semiconductor optical amplifiers		2
9	Proton-exchanged LiNbO/sub 3/ waveguides for photonic applications		1
8	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
7	A 4-channel WDM/OCDMA system incorporating 255-chip, 320 Gchip/s quaternary phase coding and decoding gratings		2
6	Demonstration of a simple CDMA transmitter and receiver using sampled fibre gratings		7
5	Multi-mJ, multi-watt Q-switched fiber laser		2

4	Broadband optical switching in confined gallium at milliwatt power levels	1
3	High performance, 64-chip, 160 Gchip/s fiber grating based OCDMA receiver incorporating a nonlinear optical loop mirror	2
2	Dissimilatory Fe(III) reduction by Clostridium beijerinckii isolated from freshwater sediment using Fe(III) maltol enrichment	3
1	Development of Highly Nonlinear Extruded Lead Silicate Holey Fibers with Novel Dispersive Properties. *Ceramic Transactions*,1-9	0.1