David J. Richardson

List of Publications by Year
in descending order

1,266 papers	35,725 citations	3531 90 h-index	6836 155 g-index
1269 all docs	1269 docs citations	1269 times ranked	13268 citing authors

#	Article	IF	Citations
1	The generation of femtosecond optical vortex beams with megawatt powers directly from a fiber based Mamyshev oscillator. Nanophotonics, 2022, 11, 847-854.	6.0	16
2	Widely Tunable Actively Mode-Locked Bi-Doped Fiber Laser Operating in the O-Band. IEEE Photonics Technology Letters, 2022, 34, 711-714.	2.5	3
3	Hollow-core fiber delivery of broadband mid-infrared light for remote spectroscopy. Optics Express, 2022, 30, 7044.	3.4	7
4	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.	2.5	1
5	ML-Assisted Equalization for 50-Gb/s/Î» O-Band CWDM Transmission Over 100-km SMF. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-10.	2.9	6
6	Hollow-core fiber Fabryâ€“Perot interferometers with reduced sensitivity to temperature. Optics Letters, 2022, 47, 2510.	3.3	4
7	0.174 dB/km Hollow Core Double Nested Antiresonant Nodeless Fiber (DNANF). , 2022, , .		65
8	Comparison between the Optical Performance of Photonic Bandgap and Antiresonant Hollow Core Fibers after Long-Term Exposure to the Atmosphere. , 2022, , .		1
9	Kilowatt-average-power single-mode laser light transmission over kilometre-scale hollow-core fibre. Nature Photonics, 2022, 16, 448-453.	31.4	49
10	Roadmap on multimode photonics. Journal of Optics (United Kingdom), 2022, 24, 083001.	2.2	27
11	High-energy, mid-IR, picosecond fiber-feedback optical parametric oscillator. Optics Letters, 2022, 47, 3600.	3.3	4
12	Super-broadband on-chip continuous spectral translation unlocking coherent optical communications beyond conventional telecom bands. Nature Communications, 2022, 13, .	12.8	18
13	Low-loss microwave photonics links using hollow core fibres. Light: Science and Applications, 2022, 11, .	16.6	5
14	In-line polarization controller for hollow core photonic bandgap fiber. Optics Communications, 2021, 481, 126552.	2.1	2
15	Performance-enhanced Amplified O-band WDM Transmission using Machine Learning based Equalization. , 2021, , .		1
16	Limits of Coupling Efficiency into Hollow-Core Antiresonant Fibers. , 2021, , .		5
17	Widely-tunable synchronisation-free picosecond laser source for multimodal CARS, SHG, and two-photon microscopy. Biomedical Optics Express, 2021, 12, 1010.	2.9	8
18	Temperature-insensitive delay-line fiber interferometer. , 2021, , .		2

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19	Hollow core fiber temperature sensitivity reduction via winding on a thermally-insensitive coil. , 2021, , .		2
20	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.	4.6	59
21	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.	4.6	25
22	Backscattering in antiresonant hollow-core fibers: over 40â€‰â€‰dB lower than in standard optical fibers. Optica, 2021, 8, 216.	9.3	41
23	Towards low loss hollow core optical fibres. , 2021, , .		3
24	High Gain, Low Noise, Spectral-Gain-Controlled, Broadband Lumped Fiber Raman Amplifier. Journal of Lightwave Technology, 2021, 39, 1458-1463.	4.6	13
25	Optical Fiber Delay Lines in Microwave Photonics: Sensitivity to Temperature and Means to Reduce it. Journal of Lightwave Technology, 2021, 39, 2311-2318.	4.6	10
26	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.	7.0	12
27	Polarization Effects on Thermally Stable Latency in Hollow-Core Photonic Bandgap Fibers. Journal of Lightwave Technology, 2021, 39, 2142-2150.	4.6	5
28	Low loss and high performance interconnection between standard single-mode fiber and antiresonant hollow-core fiber. Scientific Reports, 2021, 11, 8799.	3.3	42
29	Long-term stability of hollow core to standard optical fiber interconnection. , 2021, , .		1
30	Real-world evidence. Annals of Allergy, Asthma and Immunology, 2021, 126, 385-393.e2.	1.0	10
31	Experimental characterization of an o-band bismuth-doped fiber amplifier. Optics Express, 2021, 29, 15345.	3.4	16
32	Numerical and experimental study on the impact of chromatic dispersion on O-band direct-detection transmission. Applied Optics, 2021, 60, 4383.	1.8	12
33	4-Level Alternate-Mark-Inversion for Reach Extension in the O-Band Spectral Region. Journal of Lightwave Technology, 2021, 39, 2847-2853.	4.6	4
34	Tunable Actively Mode-locked Bi-doped O-band Fibre Laser. , 2021, , .		0
35	Generation of ~625nJ Pulses from a Mamyshev Oscillator with a few-mode LMA Yb-doped Fiber. , 2021, , .		1
36	Multicore fibers: a novel platform for a robust and reconfigurable self-organization of light. , 2021, , .		0

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37	Gas-induced differential refractive index enhanced guidance in hollow-core optical fibers. Optica, 2021, 8, 916.	9.3	15
38	Wideband and Low-Loss Mode Scrambler for Few-Mode Fibers Based on Distributed Multiple Point-Loads. IEEE Photonics Journal, 2021, 13, 1-7.	2.0	1
39	Hollow-Core-Fiber Delivery of Broadband Mid-Infrared Light for Remote Multi-Species Spectroscopy. , 2021, , .		0
40	Impact of Pressure-Induced Differential Refractive Index in Raman Spectroscopy using Hollow-Core Fibres. , 2021, , .		1
41	O+E-band Transmission over 50-km SMF using A Broadband Bismuth Doped Fibre Amplifier. , 2021, , .		2
42	Compact chirped-pulse amplification systems based on highly Tm³⁺-doped germanate fiber. Optics Letters, 2021, 46, 3013.	3.3	7
43	A Longitudinal Study of Power Relations in a British Olympic Sport Organization. Journal of Sport Management, 2021, 35, 312-324.	1.4	7
44	Bi-doped fiber amplifiers for ultra-wideband optical communication systems. , 2021, , .		1
45	Finesse Limits in Hollow Core Fiber based Fabry-Perot interferometers. Journal of Lightwave Technology, 2021, 39, 4489-4495.	4.6	5
46	Interconnecting hollow-core fibers. , 2021, , .		0
47	Lowâ€Latency WDM Intensityâ€Modulation and Directâ€Detection Transmission Over >100Âkm Distances in a Hollow Core Fiber. Laser and Photonics Reviews, 2021, 15, 2100102.	8.7	7
48	High spatial-density, cladding-pumped 6-mode 7-core fiber amplifier for C-band operation. Optics Express, 2021, 29, 30675.	3.4	13
49	Thinly coated hollow core fiber for improved thermal phase-stability performance. Optics Letters, 2021, 46, 5177.	3.3	12
50	Hollow-Core NANF for High-Speed Short-Reach Transmission in the S+C+L-Bands. Journal of Lightwave Technology, 2021, 39, 6167-6174.	4.6	9
51	All-fiber saturable absorber based on nonlinear multimode interference with enhanced modulation depth. Applied Optics, 2021, 60, 9007.	1.8	3
52	Hollow-Core-Fiber Delivery of Broadband Mid-Infrared Light for Remote Multi-Species Spectroscopy. , 2021, , .		0
53	2-Î¼m-band Coherent Transmission of Nyquist-WDM 16-QAM Signal by On-chip Spectral Translation. , 2021, , .		1
54	High Spatial Channel Count Multicore SDM Amplifiers. , 2021, , .		0

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55	Recent Breakthroughs in Hollow Core Fiber Technology. , 2021, , .		5
56	High Gain Bi-Doped Fiber Amplifier Operating in the E-band with a 3-dB Bandwidth of 40nm. , 2021, , .		5
57	A versatile, low cost light source module for multiphoton imaging. , 2021, , .		1
58	Amplified O-band direct-detection transmission using bismuth-doped fiber amplifiers. , 2021, , .		0
59	100 Gbit/s PAM-16 Transmission in the 2-Âµm Band over a 1.15-km Hollow-Core Fiber. , 2021, , .		1
60	Transmission Of Frequency Comb Over 7.7 km Of Hollow Core Fiber. , 2021, , .		0
61	Experimental Demonstration of 50-Gb/s/Z O-band CWDM Direct-Detection Transmission over 100-km SMF. , 2021, , .		0
62	A synchronisation free, versatile Optical Parametric Amplifier as a low cost light source for multiphoton imaging.. , 2021, , .		0
63	Ultra-wideband IM/DD Transmission over Hollow-core Fibres. , 2021, , .		1
64	Ultra-Long-Haul WDM Transmission in a Reduced Inter-Modal Interference NANF Hollow-Core Fiber. , 2021, , .		11
65	Hollow Core NANFs with Five Nested Tubes and Record Low Loss at 850, 1060, 1300 and 1625nm. , 2021, , .		22
66	High-energy, mid-IR, picosecond fiber-feedback OPO. , 2021, , .		0
67	High-power, high-efficiency, all-fiberized-laser-pumped, 260-nm, deep-UV laser for bacterial deactivation. Optics Express, 2021, 29, 42485.	3.4	12
68	Polarization Stable Hollow Core Fiber Interferometer With Faraday Rotator Mirrors. IEEE Photonics Technology Letters, 2021, 33, 1503-1506.	2.5	0
69	Multicore and multimode optical amplifiers for space division multiplexing. , 2020, , 301-333.		13
70	Interband Short Reach Data Transmission in Ultrawide Bandwidth Hollow Core Fiber. Journal of Lightwave Technology, 2020, 38, 159-165.	4.6	53
71	Experimental Demonstration of Dual O+C-Band WDM Transmission Over 50-km SSMF With Direct Detection. Journal of Lightwave Technology, 2020, 38, 2278-2284.	4.6	23
72	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.	4.6	15

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73	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.	2.5	2
74	Reconfigurable structured light generation in a multicore fibre amplifier. Nature Communications, 2020, 11, 3986.	12.8	47
75	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.	2.2	21
76	Low Thermal Sensitivity Hollow Core Fiber for Optically-Switched Data Centers. Journal of Lightwave Technology, 2020, 38, 2703-2709.	4.6	12
77	Phase Preserving Amplitude Saturation Through Tone Synthesis Assisted Saturated Four-Wave Mixing. Journal of Lightwave Technology, 2020, 38, 1817-1826.	4.6	3
78	Multiport Fiber Optic Beam Splitters for Space Division Multiplexed (SDM) Systems. IEEE Photonics Technology Letters, 2020, 32, 795-798.	2.5	4
79	Long-Length and Thermally Stable High-Finesse Fabry-Perot Interferometers Made of Hollow Core Optical Fiber. Journal of Lightwave Technology, 2020, 38, 2423-2427.	4.6	19
80	Multi-Band Direct-Detection Transmission Over an Ultrawide Bandwidth Hollow-Core NANF. Journal of Lightwave Technology, 2020, 38, 2849-2857.	4.6	17
81	High Spatial Density 6-Mode 7-Core Fiber Amplifier for L-Band Operation. Journal of Lightwave Technology, 2020, 38, 2938-2943.	4.6	24
82	Recent breakthroughs in hollow core fiber technology. , 2020, , .		8
83	First Investigation on Double- and Single-sideband Formats in BDFA-enabled O-band Transmission. , 2020, , .		4
84	Experimental Characterization of Bismuth-Doped Fibre Amplifier: Electrical NF, PDG, and XGM. , 2020, , .		2
85	Compact micro-optic based components for hollow core fibers. Optics Express, 2020, 28, 1518.	3.4	20
86	High-average-power picosecond mid-infrared OP-GaAs OPO. Optics Express, 2020, 28, 5741.	3.4	30
87	Extruded tellurite antiresonant hollow core fiber for Mid-IR operation. Optics Express, 2020, 28, 16542.	3.4	23
88	Adiabatic higher-order mode microfibers based on a logarithmic index profile. Optics Express, 2020, 28, 19126.	3.4	7
89	High pulse energy fibre laser as an excitation source for photoacoustic tomography. Optics Express, 2020, 28, 34255.	3.4	6
90	Controllable duration and repetition-rate picosecond pulses from a high-average-power OP-GaAs OPO. Optics Express, 2020, 28, 32540.	3.4	9

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91	Hollow Core NANF with 0.28 dB/km Attenuation in the C and L Bands. , 2020, , .		69
92	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.	3.3	21
93	Advances in Hollow Core Fiber for the 1Î¼m and Visible Wavelength Regions. , 2020, , .		2
94	Anti-Resonant, Mid-Infrared Silica Hollow-Core Fiber. , 2020, , .		8
95	Highly-Tm3+ doped Hexagonal Clad Germanate Fiber and associated CPA system for 2 Âµm Pulsed Fiber Lasers and Amplifiers. , 2020, , .		0
96	Fiber interferometry with low temperature sensitivity. , 2020, , .		3
97	Broadband Bismuth-Doped Fiber Amplifier With a Record 115-nm Bandwidth in the O and E Bands. , 2020, , .		7
98	Comparative Investigations between SSMF and Hollow-core NANF for Transmission in the S+C+L-bands. , 2020, , .		2
99	Record Gain, Low Noise Figure, C+L Band Lumped Raman Amplifier. , 2020, , .		0
100	High Spatial Density 6-Mode 7-Core Fibre Amplifier for C-band Operation. , 2020, , .		1
101	All-fiber wavelength-tunable Bi-doped laser employing a fiber Bragg grating operating in the 1300nm band. , 2020, , .		0
102	Generation and Coherent Detection of 2-Âµm-band WDM-QPSK Signals by On-chip Spectral Translation. , 2020, , .		1
103	Generation and heterodyne detection of a 2-Î¼m-band 16-QAM signal based on inter-band wavelength conversion. , 2020, , .		0
104	Growth of Ammonium Chloride on Cleaved End-Facets of Hollow Core Fibers. , 2020, , .		2
105	Pressure in As-drawn Hollow Core Fibers. , 2020, , .		2
106	Hollow core fiber Fabry-Perot interferometers with finesse over 3000. , 2020, , .		2
107	Beam Shaping with a Multicore Fiber Amplifier. , 2020, , .		0
108	Controllable Generation of Structured Light Beams in a Few-mode Fiber MOPA. , 2020, , .		0

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109	Transmission of 61 C-band Channels with L-band Interferers over Record 618km of Hollow-Core-Fiber. , 2020, , .		2
110	Compact picosecond mid-IR PPLN OPO in burst-mode operation. EPJ Web of Conferences, 2020, 243, 18004.	0.3	0
111	Low NA Ge-Clad Step-Index Yb-Doped Fiber for High Power Picosecond Laser Pulses. , 2020, , .		0
112	Towards Hollow-Core-Fiber Delivery of Broadband Mid-Infrared Light for Remote Spectroscopy. , 2020, , .		0
113	Compact picosecond mid-IR PPLN OPO with controllable peak powers. OSA Continuum, 2020, 3, 2741.	1.8	3
114	Fibre-optic based particle sensing via deep learning. JPhys Photonics, 2019, 1, 044004.	4.6	15
115	Toward High Accuracy Positioning in 5G via Passive Synchronization of Base Stations Using Thermally-Insensitive Optical Fibers. IEEE Access, 2019, 7, 113197-113205.	4.2	8
116	Long Length Fibre Fabry-Perot Interferometers and their Applications in Fibre Characterization and Temperature Sensing. , 2019, , .		2
117	On the Possibility of Structural Characterisation of Hollow Core Fibres using Whispering Gallery Modes Excited by Laser and Broadband Light. , 2019, , .		0
118	Record Low Loss Hollow Core Fiber for the 1Î¼m Region. , 2019, , .		4
119	Spectral Difference Interferometry for the Characterization of Optical Media. Laser and Photonics Reviews, 2019, 13, 1900007.	8.7	1
120	Cryptography in coherent optical information networks using dissipative metamaterial gates. APL Photonics, 2019, 4, 046102.	5.7	7
121	Intermodal Bragg-Scattering Four Wave Mixing in Silicon Waveguides. Journal of Lightwave Technology, 2019, 37, 1680-1685.	4.6	19
122	Low-Loss and Low-Back-Reflection Hollow-Core to Standard Fiber Interconnection. IEEE Photonics Technology Letters, 2019, 31, 723-726.	2.5	27
123	Guest Editorial OFC 2018 Special Issue. Journal of Lightwave Technology, 2019, 37, 3-5.	4.6	0
124	WDM Transmission With In-Line Amplification at 1.3Î¼m Using a Bi-Doped Fiber Amplifier. Journal of Lightwave Technology, 2019, 37, 1826-1830.	4.6	29
125	All-Fiber Passive Alignment-Free Depolarizers Capable of Depolarizing Narrow Linewidth Signals. Journal of Lightwave Technology, 2019, 37, 704-714.	4.6	3
126	Bandwidth enhancement of inter-modal four wave mixing Bragg scattering by means of dispersion engineering. APL Photonics, 2019, 4, 022902.	5.7	20

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127	Comparison of SC Fibers for fs Ti:Sapphire Based Hyperspectral CARS Microscopy. , 2019, , .		0
128	Nonlinear control of coherent absorption and its optical signal processing applications. APL Photonics, 2019, 4, 106109.	5.7	1
129	Fully integrated optical isolators for space division multiplexed (SDM) transmission. APL Photonics, 2019, 4, .	5.7	16
130	Nonlinearity-Free Coherent Transmission in Hollow-Core Antiresonant Fiber. Journal of Lightwave Technology, 2019, 37, 909-916.	4.6	43
131	Highly-efficient and low return-loss coupling of standard and antiresonant hollow-core fibers. , 2019, , .		1
132	Fabrication of tubular anti-resonant hollow core fibers: modelling, draw dynamics and process optimization. Optics Express, 2019, 27, 20567.	3.4	51
133	Selective wavelength conversion in a few-mode fiber. Optics Express, 2019, 27, 24072.	3.4	10
134	Ultra-short wavelength operation of thulium-doped fiber amplifiers and lasers. Optics Express, 2019, 27, 36699.	3.4	35
135	Compact, high repetition rate, 42 MW peak power, 1925 nm, thulium-doped fiber chirped-pulse amplification system with dissipative soliton seed laser. Optics Express, 2019, 27, 36741.	3.4	15
136	High gain Bi-doped all fiber amplifier for O-band DWDM optical fiber communication. , 2019, , .		7
137	Novel Antiresonant Hollow Core Fiber Design with Ultralow Leakage Loss Using Transverse Power Flow Analysis. , 2019, , .		8
138	Ultrawide Bandwidth Hollow Core Fiber for Interband Short Reach Data Transmission. , 2019, , .		15
139	Channel Selective Wavelength Conversion by Means of Inter Modal Four Wave Mixing. , 2019, , .		4
140	40â€‰â€‰dB gain all fiber bismuth-doped amplifier operating in the O-band. Optics Letters, 2019, 44, 2248.	3.3	38
141	High-beam-quality, watt-level, widely tunable, mid-infrared OP-GaAs optical parametric oscillator. Optics Letters, 2019, 44, 2744.	3.3	8
142	Temperature insensitive fiber interferometry. Optics Letters, 2019, 44, 2768.	3.3	21
143	Study on the temperature dependent characteristics of O-band bismuth-doped fiber amplifier. Optics Letters, 2019, 44, 5650.	3.3	14
144	Highly efficient ÂŦm³⁺ doped germanate large mode area single mode fiber laser. Optical Materials Express, 2019, 9, 4115.	3.0	19

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145	PAM4 transmission over 360â€…km of fibre using optical phase conjugation. OSA Continuum, 2019, 2, 973.	1.8	6
146	Intermodal frequency generation in silicon-rich silicon nitride waveguides. Photonics Research, 2019, 7, 615.	7.0	19
147	Gas flow within Hollow Core optical fibers. , 2019, , .		0
148	Robust, high peak power, thulium-doped fiber chirped-pulse amplification system using a dissipative soliton seed laser. , 2019, , .		0
149	The thermal sensitivity of optical path length in standard single mode fibers down to cryogenic temperatures. , 2019, , .		1
150	High Spatial Density 6-Mode 7-Core Multicore L-Band Fiber Amplifier. , 2019, , .		2
151	Mid-infrared, idler-resonant, picosecond OP-GaAs OPO with wide tunability and good beam quality. , 2019, , .		0
152	Free Space based Hollow Core Fiber Interconnection and Associated In-Line Components. , 2019, , .		0
153	Optical Amplifiers for Mode Division Multiplexing. , 2019, , 849-873.		0
154	Polarization Effects on Thermally Stable Latency in Hollow-Core Photonic Bandgap Fibres. , 2019, , .		1
155	AMI for Nonlinearity Mitigation in O-Band Transmission. , 2019, , .		3
156	Ultra-Broadband Bragg Scattering Four Wave Mixing in Silicon Rich Silicon Nitride Waveguides. , 2019, , .		0
157	Exploring the stability and repeatability of a hollow core fibre Raman gas sensor. , 2019, , .		0
158	Demonstration of opposing thermal sensitivities in hollow-core fibers with open and sealed ends. Optics Letters, 2019, 44, 4367.	3.3	15
159	Lotus-Shaped Negative Curvature Hollow Core Fiber With 10.5 dB/km at 1550 nm Wavelength. Journal of Lightwave Technology, 2018, 36, 1213-1219.	4.6	26
160	Widely Tunable, Narrow-Linewidth, High-Peak-Power, Picosecond Midinfrared Optical Parametric Amplifier. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-6.	2.9	9
161	Demonstration of Single-Mode Multicore Fiber Transport Network With Crosstalk-Aware In-Service Optical Path Control. Journal of Lightwave Technology, 2018, 36, 1451-1457.	4.6	9
162	Fibre-optic metadevice for all-optical signal modulation based on coherent absorption. Nature Communications, 2018, 9, 182.	12.8	73

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163	Highly efficient frequency doubling and quadrupling of a short-pulsed thulium fiber laser. Applied Physics B: Lasers and Optics, 2018, 124, 59.	2.2	5
164	15 $imes$ 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	11
165	Pulse energy packing effects on material transport during laser processing of $$‹1|1|1›$$ ‹ 1	1	1 › silicon. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	1
166	Inter-Modal Wavelength Conversion in Silicon Waveguide. , 2018, , .		1
167	Hollow-core fibres for temperature-insensitive fibre optics and its demonstration in an Optoelectronic oscillator. Scientific Reports, 2018, 8, 18015.	3.3	12
168	Fully integrated SDM amplifiers. , 2018, , .		1
169	Ultralow thermal sensitivity of phase and propagation delay in hollow-core fibers. , 2018, , .		1
170	Broadband Study of Inter-Modal Bragg Scattering Four Wave Mixing in Multi-Mode Fibres. , 2018, , .		3
171	Laser frequency stabilization and spectroscopy at 2051 nm using a compact CO₂-filled Kagome hollow core fiber gas-cell system. Optics Express, 2018, 26, 28621.	3.4	15
172	Photonic lantern broadband orbital angular momentum mode multiplexer. Optics Express, 2018, 26, 30042.	3.4	49
173	Silicon Photonics Wavelength Converter based on Inter-Modal Four Wave Mixing Bragg Scattering. , 2018, , .		0
174	Ultra-Short Wavelength Operation of Thulium-Doped Fibre Amplifier in the 1628â€“1655nm Waveband. , 2018, , .		0
175	Record Low-Loss 1.3dB/km Data Transmitting Antiresonant Hollow Core Fibre. , 2018, , .		25
176	Amplified O-Band WDM Transmission Using a Bi-Doped Fibre Amplifier. , 2018, , .		14
177	3-Port Fibre Optic Beam Splitters for Space Division Multiplexed Systems. , 2018, , .		1
178	Adiabatic Higher Order Mode Guidance in Optical Microfibres. , 2018, , .		0
179	Multi-wavelength fiber laser using a single multicore erbium doped fiber. , 2018, , .		2
180	High speed optical transmission at 2 Î¼m in subwavelength waveguides made of various materials. , 2018, , .		0

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181	Optical Amplifiers for Mode Division Multiplexing. , 2018, , 1-25.		1
182	Polarization-Insensitive Four-Wave-Mixing-Based Wavelength Conversion in Few-Mode Optical Fibers. Journal of Lightwave Technology, 2018, 36, 3678-3683.	4.6	16
183	295-kW peak power picosecond pulses from a thulium-doped-fiber MOPA and the generation of watt-level >25-octave supercontinuum extending up to 5 Î¼m. Optics Express, 2018, 26, 6490.	3.4	24
184	Frequency comb generation in a silicon ring resonator modulator. Optics Express, 2018, 26, 790.	3.4	55
185	Point-by-point femtosecond laser micro-processing of independent core-specific fiber Bragg gratings in a multi-core fiber. Optics Express, 2018, 26, 2039.	3.4	36
186	Nonlinear dynamic of picosecond pulse propagation in atmospheric air-filled hollow core fibers. Optics Express, 2018, 26, 8866.	3.4	35
187	Picosecond all-optical switching and dark pulse generation in a fibre-optic network using a plasmonic metamaterial absorber. Applied Physics Letters, 2018, 113, .	3.3	15
188	Coherent Population Trapping in Cs-filled Kagome Hollow Core Fibers. , 2018, , .		0
189	All-optical Wavelength Conversion of Phase-encoded Signals in Silicon-rich Silicon Nitride Waveguides. , 2018, , .		2
190	Optical Injection-Locked Directly Modulated Lasers for Dispersion Pre-Compensated Direct-Detection Transmission. Journal of Lightwave Technology, 2018, 36, 4967-4974.	4.6	8
191	Ultrafast laser-scanning optical resolution photoacoustic microscopy at up to 2 million A-lines per second. Journal of Biomedical Optics, 2018, 23, 1.	2.6	20
192	Ultra-short wavelength operation of a thulium doped fiber laser in the 1620-1660nm wavelength band. , 2018, , .		5
193	Enabling component technologies for space division multiplexing. , 2018, , .		2
194	Optical Phase Conjugation in Installed Optical Networks. , 2018, , .		3
195	106â€‰â€‰W, picosecond Yb-doped fiber MOPA system with a radially polarized output beam. Optics Letters, 2018, 43, 4957.	3.3	38
196	High-peak-power, picosecond, mid-infrared optical parametric generator and amplifier pumped by Tm:fiber laser. , 2018, , .		0
197	Picosecond fiber-laser-pumped widely tunable, narrow-linewidth, high-peak-power, mid-infrared OP-GaAs OPA. , 2018, , .		1
198	A Fiberized Metamaterial Device for Ultrafast Control of Coherent Optical Signals. , 2018, , .		0

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199	Tm3+ Doped Germanate Large Mode Area Single Mode Fiber for 2 Î¼m Lasers and Amplifiers. , 2018, , .		0
200	A watt-level supercontinuum source from a fiber-laser-pumped fluoroindate fiber spanning 750 nm to 5 Âµm. , 2018, , .		1
201	Virtual Draw of Tubular Hollow-Core Fibers. , 2018, , .		2
202	High-peak-power, high-efficiency, frequency doubled and quadrupled Thulium fiber laser. , 2018, , .		0
203	Recent progress in SDM amplifiers. Proceedings of SPIE, 2017, , .	0.8	0
204	A Tuneable Multi-Core to Single Mode Fiber Coupler. IEEE Photonics Technology Letters, 2017, 29, 591-594.	2.5	9
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