Periklis Petropoulos

List of Publications by Year in descending order

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434	8,435	53794	62596
papers	citations	45 h-index	80 g-index

438	438	438	4538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	All-optical phase and amplitude regenerator for next-generation telecommunications systems. Nature Photonics, 2010, 4, 690-695.	31.4	595
2	26ÂTbitÂsâ^'1 line-rate super-channel transmission utilizing all-optical fast Fourier transform processing. Nature Photonics, 2011, 5, 364-371.	31.4	483
3	Bismuth glass holey fibers with high nonlinearity. Optics Express, 2004, 12, 5082.	3.4	234
4	Mid-IR Supercontinuum Generation From Nonsilica Microstructured Optical Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 738-749.	2.9	181
5	Ultra-flat SPM-broadened spectra in a highly nonlinear fiber using parabolic pulses formed in a fiber Bragg grating. Optics Express, 2006, 14, 7617.	3.4	167
6	Highly nonlinear and anomalously dispersive lead silicate glass holey fibers. Optics Express, 2003, 11, 3568.	3.4	165
7	A comparative study of the performance of seven- and 63-chip optical code-division multiple-access encoders and decoders based on superstructured fiber Bragg gratings. Journal of Lightwave Technology, 2001, 19, 1352-1365.	4.6	159
8	High-efficiency grating-couplers: demonstration of a new design strategy. Scientific Reports, 2017, 7, 16670.	3.3	146
9	Multilevel quantization of optical phase in a novel coherent parametric mixer architecture. Nature Photonics, 2011, 5, 748-752.	31.4	145
10	Rectangular pulse generation based on pulse reshaping using a superstructured fiber Bragg grating. Journal of Lightwave Technology, 2001, 19, 746-752.	4.6	142
11	Single-mode tellurite glass holey fiber with extremely large mode area for infrared nonlinear applications. Optics Express, 2008, 16, 13651.	3.4	140
12	Single-Laser 325ÂTbit/s Nyquist WDM Transmission. Journal of Optical Communications and Networking, 2012, 4, 715.	4.8	138
13	2R-regenerative all-optical switch based on a highly nonlinear holey fiber. Optics Letters, 2001, 26, 1233.	3.3	135
14	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.	4.6	120
15	Demonstration of amplified data transmission at 2 Âµm in a low-loss wide bandwidth hollow core photonic bandgap fiber. Optics Express, 2013, 21, 28559.	3.4	112
16	Si-rich Silicon Nitride for Nonlinear Signal Processing Applications. Scientific Reports, 2017, 7, 22.	3.3	111
17	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.	2.5	110
18	Solid microstructured optical fiber. Optics Express, 2003, 11, 2225.	3.4	105

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19	Fiber optical parametric amplifiers in optical communication systems. Laser and Photonics Reviews, 2015, 9, 50-74.	8.7	104
20	Generation of a 40-GHz pulse stream by pulse multiplication with a sampled fiber Bragg grating. Optics Letters, 2000, 25, 521.	3.3	103
21	Parabolic pulse generation through passive nonlinear pulse reshaping in a normally dispersive two segment fiber device. Optics Express, 2007, 15, 852.	3.4	102
22	Parabolic pulse evolution in normally dispersive fiber amplifiers preceding the similariton formation regime. Optics Express, 2006, 14, 3161.	3.4	100
23	Design scaling rules for 2R-optical self-phase modulation-based regenerators. Optics Express, 2007, 15, 5100.	3.4	94
24	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	91
25	Supercontinuum generation in non-silica fibers. Optical Fiber Technology, 2012, 18, 327-344.	2.7	89
26	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.	2.5	86
27	Phase sensitive amplification based on quadratic cascading in a periodically poled lithium niobate waveguide. Optics Express, 2009, 17, 20393.	3.4	80
28	Fibre-optic metadevice for all-optical signal modulation based on coherent absorption. Nature Communications, 2018, 9, 182.	12.8	73
29	Material and optical properties of low-temperature NH₃-free PECVD SiN_xlayers for photonic applications. Journal Physics D: Applied Physics, 2017, 50, 025106.	2.8	71
30	Extruded singlemode, high-nonlinearity, tellurite glass holey fibre. Electronics Letters, 2005, 41, 835.	1.0	68
31	Pulse retiming based on XPM using parabolic pulses formed in a fiber Bragg grating. IEEE Photonics Technology Letters, 2006, 18, 829-831.	2.5	68
32	Detailed characterization of aâ€˜fiber-optic parametric amplifier in phase-sensitive and phase-insensitive operation. Optics Express, 2010, 18, 4130.	3.4	66
33	Inter-modal four-wave mixing study in a two-mode fiber. Optics Express, 2016, 24, 30338.	3.4	66
34	High Performance Machâ€“Zehnder-Based Silicon Optical Modulators. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 85-94.	2.9	59
35	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.	4.6	58
36	Frequency comb generation in a silicon ring resonator modulator. Optics Express, 2018, 26, 790.	3.4	55

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37	Interband Short Reach Data Transmission in Ultrawide Bandwidth Hollow Core Fiber. Journal of Lightwave Technology, 2020, 38, 159-165.	4.6	53
38	A photonic switch based on a gigantic, reversible optical nonlinearity of liquefying gallium. Applied Physics Letters, 1998, 73, 1787-1789.	3.3	51
39	Dispersion controlled highly nonlinear fibers for all-optical processing at telecoms wavelengths. Optical Fiber Technology, 2010, 16, 378-391.	2.7	51
40	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.	4.6	50
41	Passive Q-switching of fiber lasers using a broadband liquefying gallium mirror. Applied Physics Letters, 1999, 74, 3619-3621.	3.3	49
42	Broadband telecom to mid-infrared supercontinuum generation in a dispersion-engineered silicon germanium waveguide. Optics Letters, 2015, 40, 4118.	3.3	49
43	The Evolution of Optical OFDM. IEEE Communications Surveys and Tutorials, 2021, 23, 1430-1457.	39.4	48
44	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.	2.5	47
45	Electronicâ€“photonic convergence for silicon photonics transmitters beyond 100 Gbps onâ€“off keying. Optica, 2020, 7, 1514.	9.3	47
46	Mid-infrared supercontinuum generation in suspended core tellurite microstructured optical fibers. Optics Letters, 2015, 40, 2237.	3.3	46
47	Phase encoding and decoding of short pulses at 10 Gb/s using superstructured fiber Bragg gratings. IEEE Photonics Technology Letters, 2001, 13, 154-156.	2.5	45
48	Compensation of Linear Distortions by Using XPM With Parabolic Pulses as a Time Lens. IEEE Photonics Technology Letters, 2008, 20, 1097-1099.	2.5	45
49	Optical properties of silicon germanium waveguides at telecommunication wavelengths. Optics Express, 2013, 21, 16690.	3.4	44
50	All-optical pulse reshaping and retiming systems incorporating pulse shaping fiber Bragg grating. Journal of Lightwave Technology, 2006, 24, 357-364.	4.6	43
51	Towards efficient and broadband four-wave-mixing using short-length dispersion tailored lead silicate holey fibers. Optics Express, 2007, 15, 596.	3.4	43
52	Multi-Element Fiber Technology for Space-Division Multiplexing Applications. Optics Express, 2014, 22, 3787.	3.4	42
53	Progress in Multichannel All-Optical Regeneration Based on Fiber Technology. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 689-700.	2.9	40
54	Silicon Nitride Photonics for the Near-Infrared. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-13.	2.9	40

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55	An Efficient Wavelength Converter Exploiting a Grating-Based Saw-Tooth Pulse Shaper. IEEE Photonics Technology Letters, 2008, 20, 1461-1463.	2.5	39
56	Pulse shaping in mode-locked fiber lasers by in-cavity spectral filter. Optics Letters, 2014, 39, 438.	3.3	39
57	FWM-based wavelength conversion of 40 Gbaud PSK signals in a silicon germanium waveguide. Optics Express, 2013, 21, 16683.	3.4	38
58	All-optical mode and wavelength converter based on parametric processes in a three-mode fiber. Optics Express, 2017, 25, 33602.	3.4	38
59	A grating-based OCDMA coding-decoding system incorporating a nonlinear optical loop mirror for improved code recognition and noise reduction. Journal of Lightwave Technology, 2002, 20, 36-46.	4.6	37
60	First demonstration of all-optical QPSK signal regeneration in a novel multi-format phase sensitive amplifier. , 2010, , .		37
61	Dispersion-shifted all-solid high index-contrast microstructured optical fiber for nonlinear applications at 155Î¼m. Optics Express, 2009, 17, 20249.	3.4	36
62	Modelocked laser based on ytterbium doped holey fibre. Electronics Letters, 2001, 37, 560.	1.0	35
63	Microstructured fibers for sensing applications. , 2005, 6005, 78.		34
64	Polarization-Assisted Phase-Sensitive Processor. Journal of Lightwave Technology, 2015, 33, 1166-1174.	4.6	34
65	Nonlinear Silicon Photonic Signal Processing Devices for Future Optical Networks. Applied Sciences (Switzerland), 2017, 7, 103.	2.5	34
66	Modeling Brillouin Gain Spectrum of Solid and Microstructured Optical Fibers Using a Finite Element Method. Journal of Lightwave Technology, 2011, 29, 22-30.	4.6	33
67	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.	3.3	32
68	Coherent All-Optical Phase and Amplitude Regenerator of Binary Phase-Encoded Signals. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 859-869.	2.9	32
69	Slowing of Pulses to c/10 With Subwatt Power Levels and Low Latency Using Brillouin Amplification in a Bismuth-Oxide Optical Fiber. Journal of Lightwave Technology, 2007, 25, 216-221.	4.6	31
70	Analysis of a two-channel 2R all-optical regenerator based on a counter-propagating configuration. Optics Express, 2008, 16, 2264.	3.4	31
71	Elliptical Core Few Mode Fibers for Multiple-Input Multiple Output-Free Space Division Multiplexing Transmission. IEEE Photonics Technology Letters, 2017, 29, 1764-1767.	2.5	31
72	All-Fiberized Dispersion-Managed Multichannel Regeneration at 43 Gb/s. IEEE Photonics Technology Letters, 2008, 20, 1854-1856.	2.5	30

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73	Investigation of Simultaneous 2R Regeneration of Two 40-Gb/s Channels in a Single Optical Fiber. IEEE Photonics Technology Letters, 2008, 20, 270-272.	2.5	29
74	Near-zero dispersion, highly nonlinear lead-silicate W-type fiber for applications at 155Î¼m. Optics Express, 2010, 18, 15747.	3.4	29
75	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
76	Single Source Optical OFDM Transmitter and Optical FFT Receiver Demonstrated at Line Rates of 5.4 and 10.8 Tbit/s. , 2010, , .		29
77	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.	3.4	28
78	Roadmap on multimode photonics. Journal of Optics (United Kingdom), 2022, 24, 083001.	2.2	27
79	Demonstration of a 64-chip OCDMA system using superstructured fiber gratings and time-gating detection. IEEE Photonics Technology Letters, 2001, 13, 1239-1241.	2.5	26
80	Single Source Optical OFDM Transmitter and Optical FFT Receiver Demonstrated at Line Rates of 5.4 and 10.8 Tbit/s. , 2010, , .		26
81	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.	2.5	25
82	2R regenerator based on a 2-m-long highly nonlinear bismuth oxide fiber. Optics Express, 2006, 14, 5038.	3.4	25
83	Errata to â€œAll-Optical Pulse Reshaping and Retiming Systems Incorporating Pulse Shaping Fiber Bragg Gratingâ€• Journal of Lightwave Technology, 2006, 24, 2963-2963.	4.6	24
84	Four-fold reduction in the speed of light at practical power levels using Brillouin scattering in a 2-m Bismuth-oxide fiber. , 2006, , .		24
85	Investigation of Four-Wavelength Regenerator Using Polarization- and Direction-Multiplexing. IEEE Photonics Technology Letters, 2008, 20, 1676-1678.	2.5	24
86	Full quadrature regeneration of QPSK signals using sequential phase sensitive amplification and parametric saturation. Optics Express, 2017, 25, 696.	3.4	24
87	Nanosecond dynamics of a gallium mirrorâ€™s light-induced reflectivity change. Physical Review B, 2001, 63, .	3.2	23
88	All-Optical Packet Compression Based on Time-to-Wavelength Conversion. IEEE Photonics Technology Letters, 2004, 16, 1688-1690.	2.5	23
89	Efficient All-Optical Wavelength-Conversion Scheme Based on a Saw-Tooth Pulse Shaper. IEEE Photonics Technology Letters, 2009, 21, 1837-1839.	2.5	23
90	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

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91	Design and Characterisation of Terabit/s Capable Compact Localisation and Beam-Steering Terminals for Fiber-Wireless-Fiber Links. Journal of Lightwave Technology, 2020, 38, 6817-6826.	4.6	23
92	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.	2.5	22
93	Nonlinear Generation of Ultra-Flat Broadened Spectrum Based on Adaptive Pulse Shaping. Journal of Lightwave Technology, 2012, 30, 1971-1977.	4.6	22
94	Towards nonlinear conversion from mid- to near-infrared wavelengths using Silicon Germanium waveguides. Optics Express, 2014, 22, 9667.	3.4	22
95	Four-Wave Mixing-Based Wavelength Conversion and Parametric Amplification in Submicron Silicon Core Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-11.	2.9	22
96	Time domain addâ€“drop multiplexing scheme enhanced using a saw-tooth pulse shaper. Optics Express, 2009, 17, 8362.	3.4	21
97	Wavelength Conversion in a Short Length of a Solid Leadâ€“Silicate Fiber. IEEE Photonics Technology Letters, 2010, 22, 628-630.	2.5	21
98	Ultra-Compact Amorphous Silicon Waveguide for Wavelength Conversion. IEEE Photonics Technology Letters, 2016, 28, 410-413.	2.5	21
99	OTDM to WDM format conversion based on quadratic cascading in a periodically poled lithium niobate waveguide. Optics Express, 2010, 18, 10282.	3.4	20
100	Optical Phase Quantizer Based on Phase Sensitive Four Wave Mixing at Low Nonlinear Phase Shifts. IEEE Photonics Technology Letters, 2014, 26, 2146-2149.	2.5	20
101	Bandwidth enhancement of inter-modal four wave mixing Bragg scattering by means of dispersion engineering. APL Photonics, 2019, 4, 022902.	5.7	20
102	QPSK Phase and Amplitude Regeneration at 56 Gbaud in a Novel Idler-Free Non-Degenerate Phase Sensitive Amplifier. , 2011, , .		20
103	Intermodal Bragg-Scattering Four Wave Mixing in Silicon Waveguides. Journal of Lightwave Technology, 2019, 37, 1680-1685.	4.6	19
104	Intermodal frequency generation in silicon-rich silicon nitride waveguides. Photonics Research, 2019, 7, 615.	7.0	19
105	Early antiplatelet and antithrombotic therapy in patients with a history of recurrent miscarriages of known and unknown aetiology. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2005, 120, 22-26.	1.1	18
106	First Demonstration of 2Âµm Data Transmission in a Low-Loss Hollow Core Photonic Bandgap Fiber. , 2012, , .		18
107	Brillouin assisted slow-light enhancement via Fabry-Perot cavity effects. Optics Express, 2007, 15, 5126.	3.4	17
108	Four-Channel All-Fiber Dispersion-Managed 2R Regenerator. IEEE Photonics Technology Letters, 2008, 20, 1169-1171.	2.5	17

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109	Field-Trial of an All-Optical PSK Regenerator/Multicaster in a 40 Gbit/s, 38 Channel DWDM Transmission Experiment. Journal of Lightwave Technology, 2012, 30, 512-520.	4.6	17
110	All-optical Phase Regeneration with Record PSA Extinction Ratio in a Low-birefringence Silicon Germanium Waveguide. Journal of Lightwave Technology, 2016, 34, 3993-3998.	4.6	17
111	Multi-Channel Phase Regenerator Based on Polarization-Assisted Phase-Sensitive Amplification. IEEE Photonics Technology Letters, 2016, 28, 845-848.	2.5	17
112	Experimental comparison of direct detection Nyquist SSB transmission based on silicon dual-drive and IQ Mach-Zehnder modulators with electrical packaging. Optics Express, 2017, 25, 19332.	3.4	17
113	Multi-Band Direct-Detection Transmission Over an Ultrawide Bandwidth Hollow-Core NANF. Journal of Lightwave Technology, 2020, 38, 2849-2857.	4.6	17
114	Polarization-Insensitive Four-Wave-Mixing-Based Wavelength Conversion in Few-Mode Optical Fibers. Journal of Lightwave Technology, 2018, 36, 3678-3683.	4.6	16
115	Experimental characterization of an o-band bismuth-doped fiber amplifier. Optics Express, 2021, 29, 15345.	3.4	16
116	OTDM add-drop multiplexer based on time-frequency signal processing. Journal of Lightwave Technology, 2006, 24, 2720-2732.	4.6	15
117	Stable and Efficient Generation of High Repetition Rate ($>$160 GHz) Subpicosecond Optical Pulses. IEEE Photonics Technology Letters, 2011, 23, 540-542.	2.5	15
118	Processing of optical combs with fiber optic parametric amplifiers. Optics Express, 2012, 20, 10059.	3.4	15
119	Broadband, Flat Frequency Comb Generated Using Pulse Shaping-Assisted Nonlinear Spectral Broadening. IEEE Photonics Technology Letters, 2013, 25, 543-545.	2.5	15
120	Fast and broadband fiber dispersion measurement with dense wavelength sampling. Optics Express, 2014, 22, 943.	3.4	15
121	Phase Regeneration of QPSK Signal in SOA Using Single-Stage, Wavelength Converting PSA. IEEE Photonics Technology Letters, 2016, 28, 205-208.	2.5	15
122	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
123	Ultrawide Bandwidth Hollow Core Fiber for Interband Short Reach Data Transmission. , 2019, , .		15
124	A Review of Capabilities and Scope for Hybrid Integration Offered by Silicon-Nitride-Based Photonic Integrated Circuits. Sensors, 2022, 22, 4227.	3.8	15
125	Rapidly reconfigurable optical phase encoder-decoders based on fiber Bragg gratings. IEEE Photonics Technology Letters, 2006, 18, 1216-1218.	2.5	14
126	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.	2.5	14

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127	Efficient Wavelength Conversion Using Triangular Pulses Generated Using a SuperStructured Fiber Bragg Grating. , 2008, , .		14
128	Field Experiments With a Grooming Switch for OTDM Meshed Networking. Journal of Lightwave Technology, 2010, 28, 316-327.	4.6	14
129	Amplified O-Band WDM Transmission Using a Bi-Doped Fibre Amplifier. , 2018, , .		14
130	Co-design of a differential transimpedance amplifier and balanced photodetector for a sub-pJ/bit silicon photonics receiver. Optics Express, 2020, 28, 14038.	3.4	14
131	All-optical phase regeneration of 40Gbit/s DPSK signals in a black-box phase sensitive amplifier. , 2010, , .		14
132	99.9% reflectivity dispersion-less square-filter fibre Bragg gratings for high speed DWDM networks. , 0, , .		13
133	Generalisation and Experimental Validation of Design Rules for Self-Phase Modulation-based 2R-Regenerators. , 2007, , .		13
134	Wide Bandwidth Experimental Study of Nondegenerate Phase-Sensitive Amplifiers in Single- and Dual-Pump Configurations. IEEE Photonics Technology Letters, 2010, 22, 1781-1783.	2.5	13
135	Modulation format conversion employing coherent optical superposition. Optics Express, 2012, 20, B322.	3.4	13
136	Optimisation of amplitude limiters for phase preservation based on the exact solution to degenerate four-wave mixing. Optics Express, 2016, 24, 2774.	3.4	13
137	Wavelength conversion of complex modulation formats in a compact SiGe waveguide. Optics Express, 2017, 25, 3252.	3.4	13
138	High Gain, Low Noise, Spectral-Gain-Controlled, Broadband Lumped Fiber Raman Amplifier. Journal of Lightwave Technology, 2021, 39, 1458-1463.	4.6	13
139	Light-induced metallization at the gallium-silica interface. Physical Review B, 2001, 64, .	3.2	12
140	Non-silica microstructured optical fibers for mid-IR supercontinuum generation from 2 Î¼m - 5 Î¼m. , 2006, , .		12
141	Optical grooming switch with regenerative functionality for transparent interconnection of networks. Optics Express, 2009, 17, 15173.	3.4	12
142	All-Optical 160-Gbit/s Retiming System Using Fiber Grating Based Pulse Shaping Technology. Journal of Lightwave Technology, 2009, 27, 1135-1141.	4.6	12
143	Numerical and experimental study on the impact of chromatic dispersion on O-band direct-detection transmission. Applied Optics, 2021, 60, 4383.	1.8	12
144	Demonstration of >1Tbit/s WDM OWC with wavelength-transparent beam tracking-and-steering capability. Optics Express, 2021, 29, 33694.	3.4	12

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145	Supercontinuum generation in tantalum pentoxide waveguides for pump wavelengths in the 900â€‰nm to 1500â€‰nm spectral region. Optics Express, 2020, 28, 32173.	3.4	12
146	Demonstration of a simple CDMA transmitter and receiver using sampled fibre gratings. , 0, , .		11
147	Passive Q-switching of an Er3+:Yb3+ fibre laser with a fibrised liquefying gallium mirror. Optics Communications, 1999, 166, 239-243.	2.1	11
148	Cross-wavelength all-optical switching using nonlinearity of liquefying gallium. Optics Express, 1999, 5, 157.	3.4	11
149	A 16-Channel Reconfigurable OCDMA/DWDM System Using Continuous Phase-Shift SSFBGs. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1480-1486.	2.9	11
150	Timing Jitter Tolerant All-Optical TDM Demultiplexing Using a Saw-Tooth Pulse Shaper. IEEE Photonics Technology Letters, 2008, 20, 1992-1994.	2.5	11
151	Dispersion Management in Highly Nonlinear, Carbon Disulfide Filled Holey Fibers. IEEE Photonics Technology Letters, 2008, 20, 1449-1451.	2.5	11
152	All-Optical Signal Processing of Periodic Signals Using a Brillouin Gain Comb. Journal of Lightwave Technology, 2008, 26, 3110-3117.	4.6	11
153	Retiming of Short Pulses Using Quadratic Cascading in a Periodically Poled Lithium Niobate Waveguide. IEEE Photonics Technology Letters, 2011, 23, 94-96.	2.5	11
154	100-GHz Grid-Aligned Multi-Channel Polarization Insensitive Black-Box Wavelength Converter. Journal of Lightwave Technology, 2014, 32, 3027-3035.	4.6	11
155	First demonstration of all-optical programmable SDM/TDM intra data centre and WDM inter-DCN communication. , 2014, , .		11
156	Apodized silicon photonic grating couplers for mode-order conversion. Photonics Research, 2019, 7, 1036.	7.0	11
157	Dispersion-free fibre Bragg gratings. , 0, , .		11
158	Generation of Mid-IR continuum using tellurite microstructured fiber. , 2006, , .		10
159	High-Speed DD Transmission Using a Silicon Receiver Co-Integrated With a 28-nm CMOS Gain-Tunable Fully-Differential TIA. Journal of Lightwave Technology, 2021, 39, 1138-1147.	4.6	10
160	Selective wavelength conversion in a few-mode fiber. Optics Express, 2019, 27, 24072.	3.4	10
161	Soliton-self-frequency-shift effects and pulse compression in an anomalously dispersive high nonlinearity lead silicate holey fiber. , 2003, , .		9
162	Direct characterization of the spatial effective refractive index profile in Bragg gratings. IEEE Photonics Technology Letters, 2005, 17, 2685-2687.	2.5	9

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163	A 2R Mamyshev Regeneration Architecture Based on a Three-Fiber Arrangement. Journal of Lightwave Technology, 2010, 28, 1373-1379.	4.6	9
164	Phase regeneration of DPSK signals in a highly nonlinear lead-silicate W-type fiber. Optics Express, 2012, 20, 27419.	3.4	9
165	Phase sensitive amplification in a highly nonlinear lead-silicate fiber. Optics Express, 2012, 20, 1629.	3.4	9
166	All-Optical Processing of Multi-level Phase Shift Keyed Signals. , 2012, , .		9
167	Nonlinearity mitigation through optical phase conjugation in a deployed fibre link with full bandwidth utilization. , 2015, , .		9
168	Ten gigabit per second optical transmissions at 1.98 Âµm in centimetreâ€long SiGe waveguides. Electronics Letters, 2017, 53, 1213-1214.	1.0	9
169	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
170	Beyond Terabit/s WDM Optical Wireless Transmission using Wavelength-transparent Beam Tracking and Steering. , 2020, , .		9
171	Deep Learning-Aided Optical IM/DD OFDM Approaches the Throughput of RF-OFDM. IEEE Journal on Selected Areas in Communications, 2022, 40, 212-226.	14.0	9
172	Generation of ultra-flat SPM-broadened spectra in a highly nonlinear fiber using pulse pre-shaping in a fiber Bragg grating. , 2005, , .		8
173	First Demonstration of an Amplified Transmission Line Based on Multi-Element Fibre Technology. , 2013, , .		8
174	Suppression of Gain Variation in a PSA-Based Phase Regenerator Using an Additional Harmonic. IEEE Photonics Technology Letters, 2014, 26, 2074-2077.	2.5	8
175	An Optical Phase Quantiser Exhibiting Suppressed Phase Dependent Gain Variation. , 2014, , .		8
176	Polarization Insensitive Wavelength Conversion in a Low-Birefringence SiGe Waveguide. IEEE Photonics Technology Letters, 2016, 28, 1221-1224.	2.5	8
177	Linear-distortion compensation using XPM with parabolic pulses. , 2007, , .		7
178	Optical interconnection of core and metro networks [Invited]. Journal of Optical Networking, 2008, 7, 928.	2.5	7
179	TDM-to-WDM conversion from 130 Gbit/s to 3 × 43 Gbit/s using XPM in a NOLM switch. , 2008, , .		7
180	Phase-regenerative wavelength conversion in periodically poled lithium niobate waveguides. Optics Express, 2011, 19, 11705.	3.4	7

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181	Record Phase Sensitive Extinction Ratio in a Silicon Germanium Waveguide. , 2015, , .		7
182	Cryptography in coherent optical information networks using dissipative metamaterial gates. APL Photonics, 2019, 4, 046102.	5.7	7
183	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
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