

Sophie LaRoche

List of Publications by Year in descending order

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375
papers

6,050
citations

81743

39
h-index

106150

65
g-index

375
all docs

375
docs citations

375
times ranked

3269
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, fabrication and validation of an OAM fiber supporting 36 states. Optics Express, 2014, 22, 26117.	1.7	338
2	Room temperature multifrequency erbium-doped fiber lasers anchored on the ITU frequency grid. Journal of Lightwave Technology, 2000, 18, 825-831.	2.7	326
3	Passive optical fast frequency-hop CDMA communications system. Journal of Lightwave Technology, 1999, 17, 397-405.	2.7	246
4	Few-mode fiber with inverse-parabolic graded-index profile for transmission of OAM-carrying modes. Optics Express, 2014, 22, 18044.	1.7	167
5	Design of a family of ring-core fibers for OAM transmission studies. Optics Express, 2015, 23, 10553.	1.7	135
6	Photonic temporal integrator for all-optical computing. Optics Express, 2008, 16, 18202.	1.7	108
7	Ultrafast pulse-amplitude modulation with a femtojoule silicon photonic modulator. Optica, 2016, 3, 622.	4.8	107
8	Integrated cladding-pumped multicore few-mode erbium-doped fibre amplifier for space-division-multiplexed communications. Nature Photonics, 2016, 10, 529-533.	15.6	97
9	Analytical Modeling of Silicon Microring and Microdisk Modulators With Electrical and Optical Dynamics. Journal of Lightwave Technology, 2015, 33, 4240-4252.	2.7	87
10	All-optical switching of grating transmission using cross-phase modulation in optical fibres. Electronics Letters, 1990, 26, 1459.	0.5	86
11	Correlation of defect centers with a wavelength-dependent photosensitive response in germania-doped silica optical fibers. Optics Letters, 1991, 16, 141.	1.7	86
12	Vector Mode Analysis of Ring-Core Fibers: Design Tools for Spatial Division Multiplexing. Journal of Lightwave Technology, 2014, 32, 4648-4659.	2.7	85
13	Apodized Silicon-on-Insulator Bragg Gratings. IEEE Photonics Technology Letters, 2012, 24, 1033-1035.	1.3	82
14	Design of eight-mode polarization-maintaining few-mode fiber for multiple-input multiple-output-free spatial division multiplexing. Optics Letters, 2015, 40, 5846.	1.7	82
15	Linearly polarized vector modes: enabling MIMO-free mode-division multiplexing. Optics Express, 2017, 25, 11736.	1.7	78
16	Experimental verification and capacity prediction of FE-OCDMA using superimposed FBG. Journal of Lightwave Technology, 2005, 23, 724-731.	2.7	76
17	All-Optical 500-Mb/s UWB Transceiver: An Experimental Demonstration. Journal of Lightwave Technology, 2008, 26, 2795-2802.	2.7	76
18	First- and second-order Bragg gratings in single-mode planar waveguides of chalcogenide glasses. Journal of Lightwave Technology, 1999, 17, 837-842.	2.7	74

#	ARTICLE	IF	CITATIONS
19	Generation of Power-Efficient FCC-Compliant UWB Waveforms Using FBGs: Analysis and Experiment. <i>Journal of Lightwave Technology</i> , 2008, 26, 628-635.	2.7	72
20	Characterization of OAM fibers using fiber Bragg gratings. <i>Optics Express</i> , 2014, 22, 15653.	1.7	65
21	High-performance all-fiber Fabry-Perot filters with superimposed chirped Bragg gratings. <i>Journal of Lightwave Technology</i> , 2003, 21, 1059-1065.	2.7	63
22	Mode Division Multiplexing Using Orbital Angular Momentum Modes Over 1.4-km Ring Core Fiber. <i>Journal of Lightwave Technology</i> , 2016, 34, 4252-4258.	2.7	62
23	264-W output power at 1585-nm in Er-Yb codoped fiber laser using in-band pumping. <i>Optics Letters</i> , 2014, 39, 3974.	1.7	61
24	Widely bandwidth-tunable silicon filter with an unlimited free-spectral range. <i>Optics Letters</i> , 2015, 40, 5471.	1.7	60
25	Generation of customized ultrahigh repetition rate pulse sequences using superimposed fiber bragg gratings. <i>Journal of Lightwave Technology</i> , 2003, 21, 1490-1498.	2.7	56
26	Experimental demonstration of ultrafast all-fiber high-order photonic temporal differentiators. <i>Optics Letters</i> , 2009, 34, 1792.	1.7	53
27	Ultra-Wideband Waveform Generator Based on Optical Pulse-Shaping and FBG Tuning. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 135-137.	1.3	52
28	A simple model describing both self-mode locking and sustained self-pulsing in ytterbium-doped ring fiber lasers. <i>Journal of Lightwave Technology</i> , 2005, 23, 2131-2138.	2.7	48
29	Wideband wavelength conversion of 16 Gbaud 16-QAM and 5 Gbaud 64-QAM signals in a semiconductor optical amplifier. <i>Optics Express</i> , 2013, 21, 19825.	1.7	47
30	Short Multiwavelength Fiber Laser Made of a Large-Band Distributed Fabry-Perot Structure. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 1017-1019.	1.3	45
31	Numerical analysis of the contribution of the transverse asymmetry in the photo-induced index change profile to the birefringence of optical fiber. <i>Journal of Lightwave Technology</i> , 2002, 20, 1463-1470.	2.7	42
32	Generation of a 100-GHz optical pulse train by pulse repetition-rate multiplication using superimposed fiber Bragg gratings. <i>IEEE Photonics Technology Letters</i> , 2003, 15, 413-415.	1.3	42
33	Silicon photonic modulators for PAM transmissions. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 083002.	1.0	42
34	Real-time gap-free dynamic waveform spectral analysis with nanosecond resolutions through analog signal processing. <i>Nature Communications</i> , 2020, 11, 3309.	5.8	42
35	All-fiber comb filter with tunable free spectral range. <i>Optics Letters</i> , 2005, 30, 2062.	1.7	41
36	Integrated Bragg gratings in spiral waveguides. <i>Optics Express</i> , 2013, 21, 8953.	1.7	41

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37	Dual phase-shift Bragg grating silicon photonic modulator operating up to 60 Gb/s. Optics Express, 2016, 24, 2413.	1.7	41
38	Wearable Contactless Respiration Sensor Based on Multi-Material Fibers Integrated into Textile. Sensors, 2017, 17, 1050.	2.1	41
39	Quantum-Dash Mode-Locked Laser as a Source for 56-Gb/s DQPSK Modulation in WDM Multicast Applications. IEEE Photonics Technology Letters, 2011, 23, 453-455.	1.3	39
40	Impact of Sidewall Roughness on Integrated Bragg Gratings. Journal of Lightwave Technology, 2011, 29, 3693-3704.	2.7	39
41	Single-shot photonic time-intensity integration based on a time-spectrum convolution system. Optics Letters, 2012, 37, 1355.	1.7	39
42	Physics of photosensitive-grating formation in optical fibers. Physical Review A, 1991, 43, 433-438.	1.0	38
43	Gain equalization of EDFA's with Bragg gratings. IEEE Photonics Technology Letters, 1999, 11, 536-538.	1.3	38
44	Generation of Arbitrary UWB Waveforms by Spectral Pulse Shaping and Thermally-Controlled Apodized FBGs. Journal of Lightwave Technology, 2009, 27, 5276-5283.	2.7	38
45	Engineering nanoparticle features to tune Rayleigh scattering in nanoparticles-doped optical fibers. Scientific Reports, 2021, 11, 9116.	1.6	38
46	Erbium-doped fiber laser simultaneously mode locked on more than 24 wavelengths at room temperature. Optics Letters, 2003, 28, 2082.	1.7	37
47	Label Stacking in Photonic Packet-Switched Networks With Spectral Amplitude Code Labels. Journal of Lightwave Technology, 2007, 25, 463-471.	2.7	37
48	Generation of a 4 /spl times/ 100 GHz pulse-train from a single-wavelength 10-GHz mode-locked laser using superimposed fiber Bragg gratings and nonlinear conversion. Journal of Lightwave Technology, 2006, 24, 2091-2099.	2.7	36
49	Spectral-Amplitude-Coded OCDMA Optimized for a Realistic FBG Frequency Response. Journal of Lightwave Technology, 2007, 25, 1256-1263.	2.7	36
50	C-band multi-wavelength frequency-shifted erbium-doped fiber laser. Optics Communications, 2003, 218, 81-86.	1.0	34
51	Growth dynamics of photosensitive gratings in optical fibers. Applied Physics Letters, 1990, 57, 747-749.	1.5	33
52	Bandpass integrated Bragg gratings in silicon-on-insulator with well-controlled amplitude and phase responses. Optics Letters, 2015, 40, 736.	1.7	33
53	Large-band periodic filters for DWDM using multiple-superimposed fiber Bragg gratings. IEEE Photonics Technology Letters, 2002, 14, 1704-1706.	1.3	32
54	Modeling and experimental demonstration of ultracompact multiwavelength distributed Fabry-Pe/spl acute/rot fiber lasers. Journal of Lightwave Technology, 2005, 23, 44-53.	2.7	32

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55	Complex apodized Bragg grating filters without circulators in silicon-on-insulator. Optics Express, 2015, 23, 16662.	1.7	32
56	Multi-parameter sensor based on stimulated Brillouin scattering in inverse-parabolic graded-index fiber. Optics Letters, 2016, 41, 1138.	1.7	32
57	Subwavelength-grating contradirectional couplers for large stopband filters. Optics Letters, 2018, 43, 895.	1.7	32
58	Design of Slow-Light Subwavelength Grating Waveguides for Enhanced On-Chip Methane Sensing by Absorption Spectroscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	1.9	32
59	50-Channel 100-GHz-Spaced Multiwavelength Fiber Lasers With Single-Frequency and Single-Polarization Operation. IEEE Photonics Technology Letters, 2008, 20, 1718-1720.	1.3	31
60	Orbital-Angular-Momentum Polarization Mode Dispersion in Optical Fibers. Journal of Lightwave Technology, 2016, 34, 1661-1671.	2.7	31
61	Mach-Zehnder Silicon Photonic Modulator Assisted by Phase-Shifted Bragg Gratings. IEEE Photonics Technology Letters, 2020, 32, 445-448.	1.3	29
62	Cross-Layer Performance Analysis of Recirculation Buffers for Optical Data Centers. Journal of Lightwave Technology, 2013, 31, 432-445.	2.7	28
63	Novel Wireless-Communicating Textiles Made from Multi-Material and Minimally-Invasive Fibers. Sensors, 2014, 14, 19260-19274.	2.1	27
64	Annular-cladding erbium doped multicore fiber for SDM amplification. Optics Express, 2015, 23, 29647.	1.7	26
65	Integrated flexible-grid WDM transmitter using an optical frequency comb in microring modulators. Optics Letters, 2018, 43, 1554.	1.7	26
66	Low-power DAC-less PAM-4 transmitter using a cascaded microring modulator. Optics Letters, 2016, 41, 5369.	1.7	26
67	Characterization and reduction of spectral distortions in Silicon-on-Insulator integrated Bragg gratings. Optics Express, 2013, 21, 23145.	1.7	25
68	Demonstration of Cladding-Pumped Six-Core Erbium-Doped Fiber Amplifier. Journal of Lightwave Technology, 2016, 34, 1654-1660.	2.7	25
69	Dual-wavelength, actively modelocked fibre laser with 0.7 nm wavelength spacing. Electronics Letters, 2000, 36, 1921.	0.5	24
70	Frequency shift in a fiber laser resonator. Optics Letters, 2002, 27, 28.	1.7	24
71	Gain Optimization by Modulator-Bias Control in Radio-Over-Fiber Links. Journal of Lightwave Technology, 2006, 24, 4974-4982.	2.7	24
72	High-finesse large band Fabry-Perot fibre filter with superimposed chirped Bragg gratings. Electronics Letters, 2002, 38, 402.	0.5	23

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73	Design Analysis of OAM Fibers Using Particle Swarm Optimization Algorithm. Journal of Lightwave Technology, 2020, 38, 846-856.	2.7	23
74	Widely tunable silicon Raman laser. Optica, 2021, 8, 804.	4.8	23
75	Etchless chalcogenide microresonators monolithically coupled to silicon photonic waveguides. Optics Letters, 2020, 45, 2830.	1.7	23
76	High-performance adjustable room temperature multiwavelength erbium-doped fiber ring laser in the C-band. Optics Communications, 2002, 206, 365-371.	1.0	22
77	Dense SS-WDM Over Legacy PONs: Smooth Upgrade of Existing FTTH Networks. Journal of Lightwave Technology, 2010, 28, 1485-1495.	2.7	22
78	Complete Dispersion Characterization of Few Mode Fibers by OLCI Technique. Journal of Lightwave Technology, 2015, 33, 1155-1160.	2.7	22
79	Field profiles and spectral properties of chirped Bragg grating Fabry-Perot interferometers. Optics Express, 2005, 13, 1906.	1.7	21
80	Improving vertical GPS precision with a GPS-over-fiber architecture and real-time relative delay calibration. GPS Solutions, 2012, 16, 449-462.	2.2	21
81	Quantifying the Coupling and Degeneracy of OAM Modes in High-Index-Contrast Ring Core Fiber. Journal of Lightwave Technology, 2021, 39, 600-611.	2.7	21
82	Fuseless side-pump combiner for efficient fluoride-based double-clad fiber pumping. Optics Letters, 2020, 45, 5828.	1.7	21
83	Tailored modal gain in a multi-mode erbium-doped fiber amplifier based on engineered ring doping profiles. Proceedings of SPIE, 2013, , .	0.8	20
84	10 x 10 Gb/s cross-phase modulation suppressor for multispan transmissions using WDM narrow-band fiber Bragg gratings. IEEE Photonics Technology Letters, 2000, 12, 1403-1405.	1.3	19
85	Full Characterization of Uniform Ultrahigh-Speed Trains of Optical Pulses Using Fiber Bragg Gratings and Linear Detectors. IEEE Photonics Technology Letters, 2004, 16, 1540-1542.	1.3	19
86	Ultrafast Forwarding Architecture Using a Single Optical Processor for Multiple SAC-Label Recognition Based on FWM. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 868-878.	1.9	19
87	Superluminal space-to-time mapping in grating-assisted co-directional couplers. Optics Express, 2013, 21, 6249.	1.7	19
88	Segmented silicon MZM for PAM-8 transmissions at 114 Gb/s with binary signaling. Optics Express, 2016, 24, 19467.	1.7	19
89	Dynamic polarization coupling in elliptical-core photosensitive optical fiber. Optics Letters, 1992, 17, 1664.	1.7	18
90	Carrier-to-noise ratio optimization by modulator bias control in radio-over-fiber links. IEEE Photonics Technology Letters, 2006, 18, 1840-1842.	1.3	18

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91	An Innovative Receiver for Incoherent SAC-OCDMA Enabling SOA-Based Noise Cleaning: Experimental Validation. <i>Journal of Lightwave Technology</i> , 2009, 27, 108-116.	2.7	18
92	Slow Light in Subwavelength Grating Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-8.	1.9	18
93	Channel-dropping filter based on a grating-frustrated two-core fiber. <i>Journal of Lightwave Technology</i> , 2000, 18, 715-720.	2.7	17
94	Continuous-Wave Operation of Semiconductor Optical Amplifier-Based Multiwavelength Tunable Fiber Lasers With 25-GHz Spacing. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007, 13, 764-769.	1.9	17
95	Washable hydrophobic smart textiles and multi-material fibers for wireless communication. <i>Smart Materials and Structures</i> , 2016, 25, 115027.	1.8	17
96	The Brillouin gain of vector modes in a few-mode fiber. <i>Scientific Reports</i> , 2017, 7, 1552.	1.6	17
97	Design of Highly Elliptical Core Ten-Mode Fiber for Space Division Multiplexing With 2 × 2 MIMO. <i>IEEE Photonics Journal</i> , 2019, 11, 1-10.	1.0	17
98	Picosecond optical signal processing based on transmissive fiber Bragg gratings. <i>Optics Letters</i> , 2013, 38, 1247.	1.7	16
99	Microwave Interferometric Technique for Characterizing Few Mode Fibers. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1695-1698.	1.3	16
100	Reconfigurable single-shot incoherent optical signal processing system for chirped microwave signal compression. <i>Science Bulletin</i> , 2017, 62, 242-248.	4.3	16
101	Split compensation of dispersion and self-phase modulation in optical communication systems. <i>Optics Communications</i> , 1999, 160, 130-138.	1.0	15
102	Design of 10-to-40 GHz and higher pulse-rate multiplication by means of coupled Fabry-Perot resonators. <i>Optics Communications</i> , 2005, 247, 307-312.	1.0	15
103	Semiconductor Optical Amplifier-Based Wavelength Conversion of Nyquist-16QAM for Flex-Grid Optical Networks. <i>Journal of Lightwave Technology</i> , 2016, 34, 2724-2729.	2.7	15
104	High-Efficiency Silicon Photonic Modulator Using Coupled Bragg Grating Resonators. <i>Journal of Lightwave Technology</i> , 2019, 37, 2065-2075.	2.7	15
105	Tunable Dispersion and Dispersion Slope Compensator Using Novel Gires-Tournois Bragg Grating Coupled-Cavities. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 2529-2531.	1.3	14
106	All-Optical Swapping of Spectral Amplitude Code Labels for Packet Switching. , 2007, , .		14
107	UV-induced modification of stress distribution in optical fibers and its contribution to Bragg grating birefringence. <i>Optics Express</i> , 2008, 16, 8727.	1.7	14
108	Analysis of Large-Scale Multi-Stage All-Optical Packet Switching Routers. <i>Journal of Optical Communications and Networking</i> , 2012, 4, 412.	3.3	14

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109	Orthogonal Single-Sideband Signal Generation Using Improved Sagnac-Loop-Based Modulator. IEEE Photonics Technology Letters, 2014, 26, 2229-2231.	1.3	14
110	Efficient annular cladding amplifier with six, three-mode cores. , 2015, , .		14
111	Investigation of C-band pumping for extended L-band EDFAs. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2345.	0.9	14
112	Highly elliptical core fiber with stress-induced birefringence for mode multiplexing. Optics Letters, 2020, 45, 2822.	1.7	14
113	Photosensitive optical fibers used as vibration sensors. Optics Letters, 1990, 15, 399.	1.7	13
114	<title>Photodegradation of fluoride glass blue fiber laser</title>. , 1997, 2998, 70.		13
115	Intrinsic apodisation of Bragg gratings written using UV-pulse interferometry. Electronics Letters, 1998, 34, 396.	0.5	13
116	All-Optical Swapping of Spectral Amplitude Code Labels Using Nonlinear Media and Semiconductor Fiber Ring Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 879-888.	1.9	13
117	Probing the Limits of PON Monitoring Using Periodic Coding Technology. Journal of Lightwave Technology, 2011, 29, 1375-1382.	2.7	13
118	Computationally Efficient Monitoring of PON Fiber Link Quality Using Periodic Coding. Journal of Optical Communications and Networking, 2011, 3, 77.	3.3	13
119	Long Integrated Bragg Gratings for Sol Wafer Metrology. IEEE Photonics Technology Letters, 2015, 27, 755-758.	1.3	13
120	MIMO-Free Transmission over Six Vector Modes in a Polarization Maintaining Elliptical Ring Core Fiber. , 2017, , .		13
121	Demonstration of an erbium-doped fiber with annular doping for low gain compression in cladding-pumped amplifiers. Optics Express, 2018, 26, 26633.	1.7	13
122	Sulfur-rich chalcogenide claddings for athermal and high-Q silicon microring resonators. Optical Materials Express, 2021, 11, 913.	1.6	13
123	Chromatic Dispersion Measurement Using a Multiwavelength Frequency-Shifted Feedback Fiber Laser. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 67-71.	2.4	12
124	Relative intensity noise of multiwavelength fibre laser. Electronics Letters, 2004, 40, 724.	0.5	12
125	Experimental demonstration of superluminal space-to-time mapping in long period gratings. Optics Letters, 2013, 38, 1419.	1.7	12
126	Design of an Optical Fiber Supporting 16 OAM Modes. , 2014, , .		12

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127	Inverse-parabolic graded-index profile for transmission of cylindrical vector modes in optical fibers. , 2014, , .		12
128	The Impact of Modal Interactions on Receiver Complexity in OAM Fibers. Journal of Lightwave Technology, 2017, 35, 4692-4699.	2.7	12
129	Investigation of Bi-Directionally, Dual-Wavelength Pumped Extended L-Band EDFAs. IEEE Photonics Technology Letters, 2020, 32, 1227-1230.	1.3	12
130	Tunable distributed sensing performance in Ca-based nanoparticle-doped optical fibers. Optical Materials Express, 2022, 12, 1323.	1.6	12
131	Numerical analysis of all-optical switching of a fiber Bragg grating induced by a short-detuned pump pulse. Optics Communications, 1992, 92, 233-239.	1.0	11
132	Antisymmetric pulse generation using phase-shifted fibre Bragg grating. Electronics Letters, 2002, 38, 307.	0.5	11
133	Form birefringence in UV-exposed photosensitive fibers computed using a higher order finite element method. Optics Express, 2004, 12, 1720.	1.7	11
134	Theoretical analysis of a pulsed regime observed with a frequency-shifted-feedback fiber laser. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1302.	0.9	11
135	Effects of disorder on a smectic-A nematic phase transition. Physical Review E, 2006, 73, 06702.	0.8	11
136	Modeling and Characterization of Cladding-Pumped Erbium-Ytterbium Co-Doped Fibers for Amplification in Communication Systems. Journal of Lightwave Technology, 2020, 38, 1936-1944.	2.7	11
137	Experimental BER performance of 2D -t OCDMA with recovered clock. Electronics Letters, 2005, 41, 713.	0.5	10
138	Reconfigurable Dispersion Equalizer Based on Phase-Apodized Fiber Bragg Gratings. Journal of Lightwave Technology, 2008, 26, 2899-2908.	2.7	10
139	Experimental Validation of Periodic Codes for PON Monitoring. , 2009, , .		10
140	Emissive Properties of Wearable Wireless-Communicating Textiles Made From Multimaterial Fibers. IEEE Transactions on Antennas and Propagation, 2016, 64, 2457-2464.	3.1	10
141	Multifrequency erbium-doped fiber ring lasers anchored on the ITU frequency grid. , 0, , .		9
142	Machine Learning Implementation for Unambiguous Refractive Index Measurement Using a Self-Referenced Fiber Refractometer. IEEE Sensors Journal, 2022, 22, 14134-14141.	2.4	9
143	Optical frequency-hop multiple access communications system. , 0, , .		8
144	Optical multicarrier generator for radio-over-fiber systems. Optics Express, 2008, 16, 1068.	1.7	8

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145	Experimental Study of Burst-Mode Reception in a 1300km Deployed Fiber Link. Journal of Optical Communications and Networking, 2010, 2, 1.	3.3	8
146	Optical UWB Waveform Generation Using a Micro-Ring Resonator. IEEE Photonics Technology Letters, 2012, 24, 1316-1318.	1.3	8
147	RoF Data Transmission Using Four Linearly Polarized Vector Modes of a Polarization Maintaining Elliptical Ring Core Fiber. Journal of Lightwave Technology, 2018, 36, 3794-3801.	2.7	8
148	Efficiency-Speed Tradeoff in Slow-Light Silicon Photonic Modulators. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-11.	1.9	8
149	Talbot Laser with Tunable GHz Repetition Rate using an Electro-Optic Frequency Shifter. , 2017, , .		8
150	Orbital Angular Momentum Mode Division Multiplexing over 1.4 km RCF Fiber. , 2016, , .		8
151	O-Band Silicon Photonic Bragg-Grating Multiplexers Using UV Lithography. , 2016, , .		8
152	A Single-laser Flexible-grid WDM Silicon Photonic Transmitter using Microring Modulators. , 2018, , .		8
153	Polarisation mode dispersion compensation of chirped Bragg gratings used as chromatic dispersion compensators. Electronics Letters, 2000, 36, 342.	0.5	7
154	Characterization of a Linearly Chirped FBG Under Local Temperature Variations for Spectral Shaping Applications. Journal of Lightwave Technology, 2011, 29, 750-755.	2.7	7
155	Quantum-Dash Mode-Locked Lasers for Tunable Wavelength Conversion on a 100GHz Frequency Grid. Journal of Optical Communications and Networking, 2012, 4, A69.	3.3	7
156	A Dynamic Model of Silicon Bragg Grating Modulators. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 107-115.	1.9	7
157	Pulse shaping with a phase-shifted fiber Bragg grating for antisymmetric pulse generation. , 2001, , .		7
158	Characterization of Giles Parameters for Extended L band Erbium-Doped Fibers. Journal of the Optical Society of America B: Optical Physics, 0, , .	0.9	7
159	Two-photon excitation and bleaching of the 400nm luminescence band in germanium-doped-silica optical fibres. Canadian Journal of Physics, 1993, 71, 79-84.	0.4	6
160	BER performance of an optical fast frequency-hopping CDMA system with multiple simultaneous users. , 2003, , .		6
161	Experimental demonstration and simulation results of frequency encoded optical CDMA. , 2004, , .		6
162	Practical design of double-clad ytterbium-doped fiber amplifiers using Giles parameters. IEEE Journal of Quantum Electronics, 2004, 40, 1294-1300.	1.0	6

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163	Tunable 4Å–10â€…GHz optically modelocked semiconductor fibre laser. Electronics Letters, 2005, 41, 730.	0.5	6
164	A Single All-Optical Processor for Multiple Spectral Amplitude Code Label Recognition Using Four Wave Mixing. , 2006, , .		6
165	Label stacking using spectral amplitude code labels for optical packet switching. , 2006, , .		6
166	Low-cost, Scalable Optical Packet Switching Networks with Multi-Wavelength Labels. , 2007, , .		6
167	Optical Packet Switching via FWM Processing of Time-Stacked Weight-2 Codes. IEEE Photonics Technology Letters, 2008, 20, 1712-1714.	1.3	6
168	Wideband antenna EIRP measurements for various UWB waveforms. , 2008, , .		6
169	Exciting OAM modes in annular-core fibers via perfect OAM beams. , 2014, , .		6
170	Real-time Fourier transformation of lightwave spectra and application in optical reflectometry. Optics Express, 2015, 23, 32516.	1.7	6
171	THz-bandwidth photonic Hilbert transformers based on fiber Bragg gratings in transmission. Optics Letters, 2015, 40, 41.	1.7	6
172	60 Gb/s PAM-4 operation with a silicon microring modulator. , 2015, , .		6
173	Userâ€™Interactive and Wirelessâ€™Communicating RF Textiles. Advanced Materials Technologies, 2016, 1, 1600032.	3.0	6
174	Mode Loss Measurement in Few-Mode Fibers With a Microwave Interferometric Technique. IEEE Photonics Technology Letters, 2018, 30, 581-584.	1.3	6
175	Comprehensive modeling and design of Raman lasers on SOI for mid-infrared application. Journal of Lightwave Technology, 2020, , 1-1.	2.7	6
176	Silicon subwavelength grating waveguides with high-index chalcogenide glass cladding. Optics Express, 2021, 29, 20851.	1.7	6
177	Generation of ultra-high repetition rate optical pulse bursts by means of fibre Bragg gratings operating in transmission. Electronics Letters, 2002, 38, 1555.	0.5	6
178	Templated dewetting for self-assembled ultra-low-loss chalcogenide integrated photonics. Optical Materials Express, 2021, 11, 3717.	1.6	6
179	3.36-Tbit/s OAM and Wavelength Multiplexed Transmission over an Inverse-Parabolic Graded Index Fiber. , 2017, , .		6
180	Multicore Cladding-Pumped Fiber Amplifier With Annular Erbium Doping for Low Gain Compression. Journal of Lightwave Technology, 2022, 40, 1836-1846.	2.7	6

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181	Ultraviolet-induced color centers and annealing in thulium-doped fluorozirconate optical fibers. Journal of Non-Crystalline Solids, 1998, 239, 116-120.	1.5	5
182	Erbium Amplifier Dynamics in Wireless Analog Optical Links With Modulator Bias Optimization. IEEE Photonics Technology Letters, 2007, 19, 408-410.	1.3	5
183	46\$,imes,\$2.5 GHz Mode-Locked Erbium-Doped Fiber Laser With 25-GHz Spacing. IEEE Photonics Technology Letters, 2007, 19, 1871-1873.	1.3	5
184	Optical Packet Switching Networks With Binary Multiwavelength Labels. Journal of Lightwave Technology, 2009, 27, 2246-2256.	2.7	5
185	Simple and efficient UWB pulse generator. , 2010, , .		5
186	Multi-Format Wavelength Conversion Using Quantum Dash Mode-Locked Laser Pumps. Photonics, 2015, 2, 527-539.	0.9	5
187	Transmission over coupled six-core fiber with two in-line cladding-pumped six-core EDFAs. , 2015, , .		5
188	Investigation of orbital angular momentum mode purity in air-core optical fibers. , 2016, , .		5
189	Postcompensation of Nonlinear Distortions of 64-QAM Signals in a Semiconductor-Based Wavelength Converter. Journal of Lightwave Technology, 2016, 34, 2127-2138.	2.7	5
190	Demonstration and Evaluation of an Optimized RFS Comb for Terabit Flexible Optical Networks. Journal of Optical Communications and Networking, 2017, 9, 739.	3.3	5
191	Mode-conversion-based silicon photonic modulator loaded by a combination of lateral and interleaved p-n junctions. Photonics Research, 2021, 9, 471.	3.4	5
192	Nonlinearity Reduction in a Fiber Fabry-Perot Interferometer Interrogated by a Wavelength Scanning Optical Source. IEEE Sensors Journal, 2022, 22, 9433-9439.	2.4	5
193	Modal Loss Characterisation of Thick Ring Core Fiber Using Perfect Vortex Beams. , 2022, , .		5
194	Writing and applications of fiber Bragg grating arrays. , 2000, 4087, 140.		4
195	Simple Technique for Eliminating the Interchannel Phase Fluctuations in Spectral Talbot-Based Periodic Comb Filters. IEEE Photonics Technology Letters, 2006, 18, 1958-1960.	1.3	4
196	Packet switched networks with photonic code processing. , 2006, , .		4
197	Incoherent SAC OCDMA system at 7×622Mbps. , 2006, , .		4
198	Electrical-to-optical conversion of OFDM 802.11g/a signals by direct current modulation of semiconductor optical amplifiers. , 2006, , .		4

#	ARTICLE	IF	CITATIONS
199	Optical clock generation at 170 GHz from a 42.5 GHz Quantum dash Fabry Perot actively mode-locked laser filtered by a tunable multi-line notch filter. , 2009, , .		4
200	Millimeter-Wave Synthesizer Based on Spectral Filtering of a Phase-Modulated Laser Using a Chirped FBG With Tunable Distributed Phase-Shifts. Journal of Lightwave Technology, 2009, 27, 5183-5191.	2.7	4
201	Dynamics of Hydrogen Diffusion as a Key Component of the Photosensitivity Response of Hydrogen-Loaded Optical Fibers. Journal of Lightwave Technology, 2009, 27, 3123-3134.	2.7	4
202	OOK Q-factor degradation in scalable optical switches. , 2011, , .		4
203	Reconfigurable and single-shot chirped microwave pulse compression using a time-spectrum convolution system. , 2011, , .		4
204	Digital Post-Compensation of Nonlinear Distortions in Wavelength Conversion Based on Four-Wave Mixing in a Semiconductor Optical Amplifier. Journal of Lightwave Technology, 2015, 33, 3254-3264.	2.7	4
205	Design of Polarization-Insensitive Demultiplexing Lattice Filters in SOI. Journal of Lightwave Technology, 2015, 33, 5227-5234.	2.7	4
206	Fiber transmission demonstrations in vector mode space division multiplexing. Frontiers of Optoelectronics, 2018, 11, 155-162.	1.9	4
207	Integrated Optical SSB Modulation / Frequency Shifting Using Cascaded Silicon MZM. IEEE Photonics Technology Letters, 2020, 32, 1147-1150.	1.3	4
208	DAC-Less PAM-4 Slow-Light Silicon Photonic Modulator Providing High Efficiency and Stability. Journal of Lightwave Technology, 2021, 39, 5074-5082.	2.7	4
209	1.25 Gbit/s transmission of optical FFH-OCDMA signals over 80 km with 16 users. , 2001, , .		4
210	Reconfigurable multi-wavelength semiconductor fiber laser using thermally induced phase-shifts in a chirped grating. , 2007, , .		4
211	Characterization of Integrated Bragg Grating Profiles. , 2012, , .		4
212	Silicon Photonic Bragg Grating Devices. , 2017, , .		4
213	Writing of Bragg gratings with wavelength flexibility using a Sagnac type interferometer and application to FH-CDMA. , 0, , .		3
214	Experimental generation of FCC-compliant UWB pulse using FBGs. , 2007, , .		3
215	A radio-over-fiber link for OFDM transmission without RF amplification. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	3
216	Low-Distortion Optical Null-Steering Beamformer for Radio-Over-Fiber OFDM Systems. Journal of Lightwave Technology, 2009, 27, 5173-5182.	2.7	3

#	ARTICLE	IF	CITATIONS
217	Monitoring the Quality of Signal in Packet-Switched Networks Using Optical Correlators. Journal of Lightwave Technology, 2009, 27, 5417-5425.	2.7	3
218	Programmable UWB Waveform Generation using FBGs with Temperature-Controlled Apodization. , 2009, , .		3
219	Fiber optic synchronisation architecture for high precision GPS applications. , 2009, , .		3
220	Tunable SOA wavelength converter for optical packet switching router. , 2010, , .		3
221	Integrated Bragg gratings in curved waveguides. , 2010, , .		3
222	FBG-Based Matched Filters for Optical Processing of RF Signals. IEEE Photonics Journal, 2012, 4, 832-843.	1.0	3
223	Orbital-angular-momentum polarization mode dispersion in optical fibers and its measurement technique. , 2015, , .		3
224	Design of a family of ring-core fiber for OAM. , 2015, , .		3
225	Experimental study of receiver complexity in OAM-MDM transmission systems. , 2016, , .		3
226	Cladding Pumped Multi-Core Fiber Amplifiers for Space Division Multiplexing. , 2018, , .		3
227	Design of a Ten-Mode Polarization-Maintaining Few-Mode Fiber for MIMO-Less Data Transmission. , 2018, , .		3
228	Universal micro-trench resonators for monolithic integration with silicon waveguides. Optical Materials Express, 2021, 11, 2753.	1.6	3
229	Cladding Pumped EDFAs with Annular Erbium Doping. , 2018, , .		3
230	Parasitic Effect of TE and TM modes in OAM-MDM Transmission Systems. , 2017, , .		3
231	Transmission of 50 Gb/s with a Dual Phase-Shift Bragg Grating Silicon Photonic Modulator. , 2016, , .		3
232	Modeling the Breakdown in Degeneracy for High-Index-Contrast Ring Core Fiber. , 2020, , .		3
233	Low Cost Solution for Super L-Band Fiber Amplifier based on Single-mode and Multi-mode Hybrid Pumping Scheme. , 2022, , .		3
234	Cascaded nonlinear phase shift in a novel anharmonic phase-mismatch configuration. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 1894.	0.9	2

#	ARTICLE	IF	CITATIONS
235	Temporal characterization for a multi-frequency erbium-doped fiber laser with frequency shifted feedback. , 2003, 4833, 855.		2
236	All-Fiber Periodic Filters for DWDM Using a Cascade of FIR and IIR Lattice Filters. IEEE Photonics Technology Letters, 2004, 16, 497-499.	1.3	2
237	Semi-analytical design of grating-compensated dispersion-managed systems for fundamental and antisymmetric soliton propagation. Optics Communications, 2005, 246, 185-193.	1.0	2
238	Self-Routed Packets with Encoded Payload and Stacked Optical Code Labels. , 2006, , .		2
239	Impact of Phase Ripple In Fiber Bragg Grating Based Tunable Dispersion Compensator On 10 Gb/s NRZ Transmission. , 2007, , .		2
240	OSNR monitoring at high-speeds using a FBG-based correlator in optical packet-switched networks. , 2009, , .		2
241	A novel FBG-based self-seeded RSOA transmitter with noise mitigation for dense SS-WDM PONs. , 2010, , .		2
242	Optical distribution of UWB: Low complexity pulse generation supporting OOK and PSK. , 2010, , .		2
243	Cross-layer study of optical burst switches for next-generation datacenters. , 2011, , .		2
244	Upconversion of Gain-Switched Laser Pulses for Optical Generation of UWB Signals. Journal of Lightwave Technology, 2012, 30, 207-214.	2.7	2
245	Analytical modeling for ultra-high-speed microring modulators with electrical and optical dynamics. , 2014, , .		2
246	Multiwavelength super-structured Bragg grating laser for tunable repetition rate mode-locked operation. Optics Express, 2014, 22, 17050.	1.7	2
247	Characterization of few mode fibers by OLCI technique. , 2014, , .		2
248	Multi-parameter sensing based on the stimulated Brillouin scattering of higher-order acoustic modes in OAM fiber. Proceedings of SPIE, 2015, , .	0.8	2
249	On-chip multi-level signal generation using cascaded microring modulator. , 2016, , .		2
250	Spatially and Spectrally Resolved Gain Characterization of Space-Division Multiplexing Amplifiers With Coherent Swept-Wavelength Reflectometry. Journal of Lightwave Technology, 2017, 35, 741-747.	2.7	2
251	Effects of gain nonlinearities in an optically injected gain lever semiconductor laser. Photonics Research, 2017, 5, 315.	3.4	2
252	An 8-core erbium-doped fiber with annular doping for low gain compression in cladding-pumped amplifiers. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
253	Low-noise Optical Multi-Carrier Generation using Brillouin Amplification in a Frequency-Shifted Recirculating Loop. , 2017, , .		2
254	Investigation of Inter-Core Cross-Talk in Cladding Pumped Double-Clad 6-Core Erbium Doped Fiber Amplifier. , 2016, , .		2
255	Reconfigurable Optical Fiber-Based Microwave Dispersive Line for Single-Shot Chirped Microwave Pulse Compression. , 2012, , .		2
256	Characterization of Annular Cladding Erbium-Doped 6-Core Fiber Amplifier. , 2016, , .		2
257	Tunable millimeter wave generation using a dual-band fiber Bragg grating. , 2008, , .		2
258	High-Quality Bragg Gratings Operating in Reflection without Circulators in SOI. , 2015, , .		2
259	Efficient Carrier-Reuse for MMW-RoF Access Network Architecture with Orthogonal Phase-Correlated Modulation. , 2015, , .		2
260	Enabling 5G Services in PON with a Novel Smart Edge Based on SiP MRM. , 2018, , .		2
261	Novel Fuseless Optical Fiber Side-Coupler based on Half-Taper for Cladding Pumped EDFAs. , 2020, , .		2
262	Large area Bragg grating for pump recycling in cladding-pumped multicore erbium-doped fiber amplifiers. Optics Express, 2022, 30, 17824.	1.7	2
263	Experimental investigation of erbium-doped fiber amplifier gain equalization schemes using short-period Bragg gratings. , 0, , .		1
264	Comparison of BER measurements in a FFH-OCDMA system with incoherent and coherent sources. , 2003, , .		1
265	Optical injection in semiconductor or fiber lasers: a comparison, the influence of coherence. , 2004, 5452, 534.		1
266	Measurement of intensity noise correlation between lines of spatially distributed multi-wavelength fiber lasers. , 2006, 6389, 338.		1
267	SOA-based Multi-wavelength Comb Laser with 25GHz Spacing. , 2006, , .		1
268	All-optical Label Stacking Capacity for Packet Switching Using Spectral Amplitude Code Labels. , 2006, , .		1
269	Low Distortion Null-Steering Beamforming with a Cascade of Fiber Bragg Grating Gires-Tournois. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	1
270	Fabrication of erbium-ytterbium distributed multi-wavelength fiber lasers by writing the superstructured fiber Bragg grating resonator in a single writing laser scan. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
271	Experimental all-fiber single-device second-order temporal differentiator. , 2008, , .		1
272	Path monitoring for restoration functions in optical packet-switched networks. , 2009, , .		1
273	Code generator using distributed phase shifts applied on a chirped fibre Bragg grating in a semiconductor fibre ring laser. , 2009, , .		1
274	A high-performance network architecture for scalable optical datacenters. , 2011, , .		1
275	Semi-Analytical Modeling of Distributed Phase-Shifts Applied on Chirped Fiber Bragg Gratings. Journal of Lightwave Technology, 2012, 30, 184-191.	2.7	1
276	Efficient, Widely-Tunable Wavelength Conversion for Packets With In-Band Labels. IEEE Photonics Technology Letters, 2013, 25, 2470-2473.	1.3	1
277	Wideband Wavelength Conversion of 5 Gbaud 64-QAM Signals in a Semiconductor Optical Amplifier. , 2013, , .		1
278	Novel multi-material fibers for wireless communication textile devices. , 2014, , .		1
279	High Performance Narrow Bandpass Filters Based on Integrated Bragg Gratings in Silicon-on-Insulator. , 2015, , .		1
280	Design of a Polarization-Insensitive WDM Demultiplexing Lattice Filter in SOI. , 2015, , .		1
281	Widely Bandwidth-Tunable Broadband Optical Filter on Silicon. , 2015, , .		1
282	Corrections to "Enhancement of the Modulation Dynamics of an Optically Injection-Locked Semiconductor Laser Using Gain Lever" IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 792-792.	1.9	1
283	Enhancement of the Modulation Dynamics of an Optically Injection-Locked Semiconductor Laser Using Gain Lever. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 575-582.	1.9	1
284	Annular Cladding Erbium-Doped Multi-Core Fiber for SDM Amplification. , 2015, , .		1
285	Revolutionizing optical fiber transmission and networking using the Orbital Angular Momentum of light. , 2016, , .		1
286	Ultra-fast digital transmission using low-power ring modulator. , 2016, , .		1
287	Silicon photonic devices for high-capacity optical interconnects. , 2016, , .		1
288	Gain compression effect on the modulation dynamics of an optically injection-locked semiconductor laser using gain lever. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
289	All-Optical Pulse Shaping in the Sub-Picosecond Regime Based on Fiber Grating Devices. , 2017, , 257-292.		1
290	Optical fiber designs for MIMO-less SDM. , 2018, , .		1
291	Tunable Slow-Light in Silicon Photonic Subwavelength Grating Waveguides. , 2019, , .		1
292	Design and modeling a mid infrared Raman laser on silicon-on-insulator. , 2020, , .		1
293	Raman-Kerr Combs in High-Q Chalcogenide Microresonators Coupled to Silicon Waveguides. , 2021, , .		1
294	Radially anisotropic ring-core optical fiber: towards vector-vortex guided transmission using the full modal space. OSA Continuum, 2021, 4, 1282.	1.8	1
295	Silicon-coupled tantalum pentoxide microresonators with broadband low thermo-optic coefficient. Optics Letters, 2021, 46, 3813.	1.7	1
296	DAC-Less PAM-4 Slow-Light Silicon Photonic Modulator Assisted by Coupled Bragg Grating Resonators. , 2021, , .		1
297	Cladding-pumped multicore amplifiers with ring doping. , 2021, , .		1
298	A comparative study of numerical methods for the calculation of the birefringence of UV-illuminated fibers. , 2003, , .		1
299	Modeling of the nonlinear photosensitivity response of hydrogen-loaded germanium-doped optical fiber in the presence of hydrogen diffusion and depletion. , 2007, , .		1
300	Four-Channel RoF Transmission over Polarization Maintaining Elliptical Ring Core Fiber. , 2018, , .		1
301	Polarization maintaining few mode fibers for space division multiplexing. , 2018, , .		1
302	Characterization of Coupled-Core Fiber Amplifiers Using Swept-Wavelength Interferometer. , 2019, , .		1
303	Silicon Photonic Modulator Using Coupled Bragg Grating Resonators in a Mach-Zehnder structure. , 2019, , .		1
304	Tunable Slow-Light in Silicon Photonic Subwavelength Grating Waveguides. , 2019, , .		1
305	Characterization of an Aluminophosphosilicate Fiber with Annular Erbium Doping for Improved Performance of Cladding-Pumped Amplifiers. , 2020, , .		1
306	Two-channel data transmission on a polarization- maintaining highly elliptical core fiber without MIMO. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
307	Concentric layers with heterogeneous doping for cladding-pumped L-band fiber amplifiers. , 2022, , .		1
308	Photoinduced self-organization in optical fiber: some answered and unanswered questions. , 1991, , .		0
309	Fiber defects in Ge-doped fibers: towards a coherent picture. , 1991, 1516, 55.		0
310	Anisotropy of photoinduced index change in Ge-doped optical fiber. , 1993, 2044, 330.		0
311	<title>Research activities in optical communications at Universite Laval</title>. , 1998, 3414, 114.		0
312	100-GHz step-tunable single-frequency erbium-doped fiber lasers. , 1998, 3416, 220.		0
313	Gain equalization in cascaded optical amplifiers using short-period Bragg gratings. , 2000, 4087, 359.		0
314	Kerr effect management. , 2000, , .		0
315	Contribution of the transverse asymmetry of the index change to the birefringence of fiber Bragg gratings: a numerical calculation. , 0, , .		0
316	$\hat{1}/2$ phase-shifted Er/sup 3+/-Yb/Sup 3+/- doped distributed feedback fibre laser characterisation using a phase-sensitive optical low-coherence reflectometer. , 0, , .		0
317	Polarisation selective all-fibre Fabryâ€“Perot filters with superimposed chirped Bragg gratings in high-birefringence fibres. Electronics Letters, 2003, 39, 650.	0.5	0
318	Multiwavelength ultracompact narrow-line all-fiber laser. , 2004, , .		0
319	Ultrahigh speed pulse trains via superimposed fibre Bragg gratings and nonlinear wavelength conversion. , 2006, , .		0
320	Analysis of birefringence and eigen-axes orientation resulting from the interplay between initial and form birefringence in UV-illuminated fiber. , 2006, , .		0
321	Micrometer-Scale Measurement of the Local Bragg Wavelength of Fiber Bragg Gratings. , 2006, , .		0
322	Ultra-wide optical frequency comb generator. Proceedings of SPIE, 2007, , .	0.8	0
323	Mode-Locked, Multi-Wavelength Erbium-Doped Fiber Laser with 25 GHz Spacing. , 2007, , .		0
324	OFDM signal transmission by direct modulation of a doped fiber external cavity semiconductor laser. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
325	An optical realization of a 500 Mb/s UWB transceiver. , 2008, , .		0
326	OSNR requirements for Optical Multicarrier Generator for Short Range Radio-Over-Fiber Systems. , 2009, , .		0
327	Generation of arbitrary UWB waveforms: A low complexity optical approach. , 2009, , .		0
328	Tunable and variable clock generation up to 1.2 THz by filtering an actively mode-locked 42.5 GHz Quantum Dash Fabry-Perot laser with a reconfigurable filter. , 2010, , .		0
329	An approach to a tunable multiwavelength fiber laser. , 2010, , .		0
330	Quantum-dash mode-locked laser source for wavelength-tunable 56 Gbit/s DQPSK. , 2010, , .		0
331	Error-free 0.16 π-XPM-based All-Optical Wavelength Conversion in a 1-cm-long AlGaAs waveguide. , 2010, , .		0
332	Combining Multiple Semiconductor Laser Sources for Spectral Pulse Shaping. , 2011, , .		0
333	Extraction of semiconductor optical amplifier parameters for wavelength conversion modeling. , 2011, , .		0
334	Recent advances in ultrafast all-optical signal processing and generation. , 2013, , .		0
335	Optical generation of microwave passband signals. Microwave and Optical Technology Letters, 2013, 55, 656-660.	0.9	0
336	Multiwavelength laser based on superimposed Bragg gratings on multiquantum well AlGaInAs-InP. , 2013, , .		0
337	The practical limit to impairment-aware scheduling in all-optical routers. , 2013, , .		0
338	Small-footprint Integrated Bragg Gratings in SOI spiral waveguides. , 2013, , .		0
339	Single-etch step grating couplers for SOI waveguides. Proceedings of SPIE, 2013, , .	0.8	0
340	Novel wireless-communicating textiles made from multi-material and minimally-invasive fibers. , 2014, 2014, 6278-81.		0
341	Emissive performance of wearable RF textiles made from multi-material fibers. , 2015, , .		0
342	Hilbert transformers based on fiber Bragg gratings in transmission. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
343	Microring modulators for power efficient multi-level transmission: How to break the 100 Gbit/s barrier. , 2016, , .		0
344	Dynamics of optically-injected semiconductor nanolasers. Proceedings of SPIE, 2016, , .	0.8	0
345	Integrated optical fiber amplifiers for space-division multiplexed systems. Proceedings of SPIE, 2017, , .	0.8	0
346	Corrections to "Mode Loss Measurement in Few-Mode Fibers With a Microwave Interferometric Technique" [Mar 15, 2018 581-584]. IEEE Photonics Technology Letters, 2018, 30, 1491-1491.	1.3	0
347	Silicon Photonic Modulator using Mode Conversion with Asymmetric Sidewall Bragg Gratings. , 2018, , .		0
348	Performance Comparison of Ring-Core Fibers Support Propagation of OAM Modes. , 2020, , .		0
349	Silicon photonic modulator loaded by NPN junctions. , 2020, , .		0
350	Hybrid Chalcogenide-Silicon Subwavelength Grating Waveguides Microring Resonators. , 2021, , .		0
351	Temperature dependence of Bragg gratings in As ₂ S ₃ amorphous chalcogenide glass waveguides. , 2000, , .		0
352	Broadband discrete and continuous wavelength tuning of erbium-doped fiber ring lasers. , 2000, , .		0
353	Repetition rate multiplication up to 320 GHz with chirped-sampled fiber Bragg gratings. , 2007, , .		0
354	Multicarrier generator using a phase modulated laser signal and tailored chirped fiber Bragg gratings. , 2007, , .		0
355	Inter-Channel Residual Dispersion Compensator for 40 Gbit/s WDM Optical Systems. , 2007, , .		0
356	An Analytical Model Describing Multipulse Structure in Actively Q-Switched Fiber Lasers. , 2007, , .		0
357	Writing of Complex Fiber Bragg Grating Superstructures with Fiber/Phase-Mask Position Control. , 2010, , .		0
358	Real-Time Optical Spectrum Fourier Transformation. , 2012, , .		0
359	Single-Shot Photonic Time-Intensity Integration with High Processing Speed over Nanosecond Time Windows. , 2012, , .		0
360	Pico-second Flat-Top Pulse-Shaper based on a Linearly-Chirped Fiber Bragg Grating in Transmission. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
361	Multi-wavelength Single-Polarization All-fiber Lasers Based On In-fiber Polarizers. , 2014, , .		0
362	Novel Wearable RF Textile-Integrated Antennas Made from Multi-Material Fibers. , 2015, , .		0
363	Optical Fibers for Next Generation Optical Communications. , 2016, , .		0
364	Brillouin Gain Spectra Measurement of Vector Modes in a Few-Mode Fiber. , 2016, , .		0
365	Silicon Photonic Modulator based on Coupled Bragg Grating Resonators used as Phase Shifters. , 2018, , .		0
366	Pump Mode Characterization of Annular Cladding Erbium-Doped Fibers Using Low-Coherence Interferometry. , 2018, , .		0
367	Large-signal capabilities of an optically injection-locked semiconductor laser using gain lever. , 2018, , .		0
368	A model for electro-optic response of slow-light silicon photonic modulators with lumped electrodes. , 2020, , .		0
369	Silicon photonic modulator loaded by a combination of lateral and interleaved p-n junctions. , 2020, , .		0
370	Ultra-High-Speed Time-Frequency Signal Processing. Optics and Photonics News, 2020, 31, 37.	0.4	0
371	Downconversion-Free Real-time Spectral Analysis of High-Frequency Broadband Waveforms. , 2020, , .		0
372	Design of Fibers with Erbium-Ring-Doping in the Cladding for Spatially Integrated Optical Amplifiers. , 2020, , .		0
373	Ring-Core Fibers Supporting Propagation of OAM Modes. , 2021, , .		0
374	Frequency noise study in a silicon Raman laser. , 2021, , .		0
375	Hybrid integration of tantalum pentoxide microresonators on silicon-on-insulator. , 2021, , .		0