

# Pka Wai

## List of Publications by Year in Descending Order

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**Version:** 2024-04-09

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

219 papers	4,585 citations	33 h-index	62 g-index
332 ext. papers	5,587 ext. citations	2.7 avg, IF	5.27 L-index

#	Paper	IF	Citations
219	Discrete Fourier domain mode locked laser for simultaneous dual modal swept source OCT. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	0
218	Phase noise of Fourier domain mock locked laser based coherent detection systems. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	
217	Time Domain Discrete Fourier Domain Mode Locked Laser With k-Space Uniform Comb Lines. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 2949-2955	4	2
216	Pulse Train Triggered Single Dissipative Kerr Soliton in Microresonator and Application in Terahertz Rate Optical Clock Recovery. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 3511-3520	4	1
215	Eckhaus Instability in Laser Cavities with Harmonically Swept Filters. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	1
214	Ultracompact optical fiber acoustic sensors based on a fiber-top spirally-suspended optomechanical microresonator. <i>Optics Letters</i> , <b>2020</b> , 45, 3516-3519	3	11
213	Improving Soliton Transmission Systems Through Soliton Interactions. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 3563-3572	4	14
212	Combination and Compression of Multiple Pulses With Same or Different Wavelengths. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 6932-6938	4	1
211	. <i>IEEE Access</i> , <b>2020</b> , 8, 202022-202031	3.5	1
210	Discrete Fourier domain harmonically mode locked laser by mode hopping modulation <b>2019</b> ,		1
209	Hybrid Graphene-Silicon Based Polarization-Insensitive Electro-Absorption Modulator with High-Modulation Efficiency and Ultra-Broad Bandwidth. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	12
208	Characterization of Polarization Pulling in Fiber Optical Parametric Amplifiers. <i>IEEE Journal of Quantum Electronics</i> , <b>2019</b> , 55, 1-11	2	
207	Combination and Compression of Multiple Optical Pulses in Nonlinear Fibers with the Exponentially Decreasing Dispersion. <i>IEEE Journal of Quantum Electronics</i> , <b>2018</b> , 54, 1-10	2	0
206	Impact of Spectral Filtering on Multipulsing Instability in Mode-Locked Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2018</b> , 24, 1-9	3.8	11
205	Optical Fiber-Tip Sensors Based on In-Situ $\mu$ -Printed Polymer Suspended-Microbeams. <i>Sensors</i> , <b>2018</b> , 18,	3.8	17
204	Deterministic generation of single soliton Kerr frequency comb in microresonators by a single shot pulsed trigger. <i>Optics Express</i> , <b>2018</b> , 26, 18563-18577	3.3	11
203	Optical Fiber-Tip Fabry-Pérot Interferometric Pressure Sensor Based on an In Situ $\mu$ -Printed Air Cavity. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 3618-3623	4	22

202	High quality pulse train from discrete Fourier domain mode locked laser with a comb filter <b>2018</b> ,		1
201	Alternative Decoding Methods for Optical Communications Based on Nonlinear Fourier Transform. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 1542-1550	4	47
200	Demonstration of Intermodal Four-Wave Mixing by Femtosecond Pulses Centered at 1550 nm in an Air-Silica Photonic Crystal Fiber. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 2385-2390	4	3
199	Deep-ultraviolet second-harmonic generation by combined degenerate four-wave mixing and surface nonlinearity polarization in photonic crystal fiber. <i>Scientific Reports</i> , <b>2017</b> , 7, 9224	4.9	2
198	Optically 3-D $\mu$ -Printed Ferrule-Top Polymer Suspended-Mirror Devices. <i>IEEE Sensors Journal</i> , <b>2017</b> , 17, 7257-7261	4	7
197	Comprehensive analysis of passive generation of parabolic similaritons in tapered hydrogenated amorphous silicon photonic wires. <i>Scientific Reports</i> , <b>2017</b> , 7, 3814	4.9	6
196	High-order modulation on a single discrete eigenvalue for optical communications based on nonlinear Fourier transform. <i>Optics Express</i> , <b>2017</b> , 25, 20286-20297	3.3	39
195	Polarization pulling in Raman assisted fiber optical parametric amplifiers. <i>Optics Express</i> , <b>2016</b> , 24, 6884-6898	3.9	3
194	Degenerate Four-Wave Mixing-Based Light Source for CARS Microspectroscopy. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 763-766	2.2	5
193	Generation of Second-Harmonics Near Ultraviolet Wavelengths From Femtosecond Pump Pulses. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 1719-1722	2.2	1
192	On-chip integratable all-optical quantizer using strong cross-phase modulation in a silicon-organic hybrid slot waveguide. <i>Scientific Reports</i> , <b>2016</b> , 6, 19528	4.9	11
191	Optical 3D $\mu$ printing of ferrule-top polymer suspended-mirror devices <b>2016</b> ,		1
190	Spectrally-isolated violet to blue wavelength generation by cascaded degenerate four-wave mixing in a photonic crystal fiber. <i>Optics Letters</i> , <b>2016</b> , 41, 2612-5	3	2
189	Modeling Frequency Comb Sources. <i>Nanophotonics</i> , <b>2016</b> , 5, 292-315	6.3	6
188	Investigation of microwave photonic filter based on multiple longitudinal modes fiber laser source. <i>Optical Fiber Technology</i> , <b>2015</b> , 23, 122-128	2.4	
187	Gigahertz single source IIR microwave photonic filter based on coherence managed multi-longitudinal-mode fiber laser. <i>Optics Express</i> , <b>2015</b> , 23, 4277-88	3.3	4
186	Long-haul quasi-single-mode transmissions using few-mode fiber in presence of multi-path interference. <i>Optics Express</i> , <b>2015</b> , 23, 3156-69	3.3	37
185	Tunable fractional-order photonic differentiator based on the inverse Raman scattering in a silicon microring resonator. <i>Optics Express</i> , <b>2015</b> , 23, 11141-51	3.3	7

184	Nonlinear Frequency Division Multiplexed Transmissions Based on NFT. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 1621-1623	2.2	66
183	Enhanced intermodal four-wave mixing for visible and near-infrared wavelength generation in a photonic crystal fiber. <i>Optics Letters</i> , <b>2015</b> , 40, 1338-41	3	18
182	A comprehensive theoretical model for on-chip microring-based photonic fractional differentiators. <i>Scientific Reports</i> , <b>2015</b> , 5, 14216	4.9	10
181	Polarized fiber optical parametric amplification in randomly birefringent fibers. <i>Optics Express</i> , <b>2015</b> , 23, 32747-58	3.3	2
180	Red-shifted solitons for coherent anti-Stokes Raman scattering microspectroscopy in a polarization-maintaining photonic crystal fiber. <i>Optical Engineering</i> , <b>2015</b> , 54, 056107	1.1	1
179	An Optical Millimeter-Wave Generator Using Optical Higher Order Sideband Injection Locking in a Fabry-Pérot Laser Diode. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 4985-4996	4	7
178	Simultaneous compression and coherent combination of multiple optical pulses in the same pulse train using nonlinear optical fibers <b>2015</b> ,		1
177	Ultrashort pulse train generation using nonlinear optical fibers with exponentially decreasing dispersion. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2014</b> , 31, 1786	1.7	14
176	Performance Model of Multichannel Deflection-Routed All-Optical Networks With Packet Injection Control. <i>IEEE Transactions on Communications</i> , <b>2014</b> , 62, 2494-2506	6.9	3
175	CMOS-compatible 2-bit optical spectral quantization scheme using a silicon-nanocrystal-based horizontal slot waveguide. <i>Scientific Reports</i> , <b>2014</b> , 4, 7177	4.9	12
174	Flat-top pulse generation based on the combined action of active mode locking and nonlinear polarization rotation. <i>Applied Optics</i> , <b>2014</b> , 53, 902-6	1.7	3
173	Highly coherent supercontinuum generation with picosecond pulses by using self-similar compression. <i>Optics Express</i> , <b>2014</b> , 22, 27339-54	3.3	36
172	Theoretical and Experimental Study of a Code-Division Multiplexing Fiber Bragg Grating Sensor System. <i>Fiber and Integrated Optics</i> , <b>2014</b> , 33, 26-36	0.8	
171	Multi-pulse compression in nonlinear optical fibers with exponentially decreasing dispersion <b>2014</b> ,		1
170	High-degree pulse compression and high-coherence supercontinuum generation in a convex dispersion profile. <i>Optics Communications</i> , <b>2013</b> , 301-302, 29-33	2	7
169	On Wavelength-Routed Networks With Reversible Wavelength Channels. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 1409-1417	4	
168	Frequency synchronization of Fourier domain harmonically mode locked fiber laser by monitoring the supermode noise peaks. <i>Optics Express</i> , <b>2013</b> , 21, 30255-65	3.3	3
167	Performance Analysis and Experimental Demonstration of a Novel Network Architecture Using Optical Burst Rings for Interpod Communications in Data Centers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2013</b> , 19, 3700508-3700508	3.8	8

166	Pedestal free pulse compression of chirped optical solitons. <i>Optics Communications</i> , <b>2012</b> , 285, 1449-1455	5	9
165	Characterizing bifurcations and chaos in multiwavelength lasers with intensity-dependent loss and saturable homogeneous gain. <i>Optics Communications</i> , <b>2012</b> , 285, 2144-2153	2	2
164	Simultaneous and Independent OSNR and Chromatic Dispersion Monitoring Using Empirical Moments of Asynchronously Sampled Signal Amplitudes. <i>IEEE Photonics Journal</i> , <b>2012</b> , 4, 1340-1350	1.8	7
163	Mechanism for stable, ultra-flat multiwavelength operation in erbium-doped fiber lasers employing intensity-dependent loss. <i>Optics and Laser Technology</i> , <b>2012</b> , 44, 74-77	4.2	16
162	Optimization of Raman-Assisted Fiber Optical Parametric Amplifier Gain. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 1172-1181	4	16
161	Modeling Self-Similar Optical Pulse Compression in Nonlinear Fiber Bragg Grating Using Coupled-Mode Equations. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 1293-1305	4	17
160	Multiple Raman Pump Assisted Fiber Optical Parametric Amplifiers. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 2601-2608	4	8
159	Performance Improvement Methods for Burst-Switched Networks. <i>Journal of Optical Communications and Networking</i> , <b>2011</b> , 3, 104	4.1	3
158	Chromatic dispersion monitoring for multiple modulation formats and data rates using sideband optical filtering and asynchronous amplitude sampling technique. <i>Optics Express</i> , <b>2011</b> , 19, 1007-15	3.3	11
157	Analysis of signed chromatic dispersion monitoring by waveform asymmetry for differentially-coherent phase-modulated systems. <i>Optics Express</i> , <b>2011</b> , 19, 4147-56	3.3	4
156	Investigating the influence of a weak continuous-wave-trigger on picosecond supercontinuum generation. <i>Optics Express</i> , <b>2011</b> , 19, 13757-69	3.3	33
155	Dual transmission filters for enhanced energy in mode-locked fiber lasers. <i>Optics Express</i> , <b>2011</b> , 19, 23408-19	3.3	15
154	Chromatic Dispersion Monitoring Based on Variance of Received Optical Power. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 486-488	2.2	8
153	Polarization Splitting of Photonic Crystal Fiber With Hybrid Guidance Mechanisms. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 1358-1360	2.2	8
152	PMD-Insensitive CD Monitoring Based on RF Clock Power Ratio Measurement With Optical Notch Filter. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 1576-1578	2.2	4
151	Multiwavelength lasers with homogeneous gain and intensity-dependent loss. <i>Optics Communications</i> , <b>2011</b> , 284, 2327-2336	2	6
150	Switchable multiwavelength erbium-doped fiber laser employing wavelength-dependent loss. <i>Optical Fiber Technology</i> , <b>2011</b> , 17, 138-140	2.4	7
149	High-repetition-rate pulse generation using dual-mode self-injection locking in a Fabry-Perot laser diode. <i>Optical Engineering</i> , <b>2010</b> , 49, 074201	1.1	1

148	Single-Mode Perfluorinated Polymer Optical Fibers With Refractive Index of 1.34 for Biomedical Applications. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 106-108	2.2	25
147	Statistical Analysis of Optical Signal-to-Noise Ratio Monitoring Using Delay-Tap Sampling. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 149-151	2.2	17
146	OSNR Monitoring for RZ-DQPSK Systems Using Half-Symbol Delay-Tap Sampling Technique. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 823-825	2.2	24
145	Signed and Accurate Measurement of Phase Offset in Optical DPSK Demodulator. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 1018-1020	2.2	
144	Polarization-maintaining photonic-crystal-fiber-based all-optical polarimetric torsion sensor <b>2010</b> , 49, 5954		24
143	Fourier analysis for hydrostatic pressure sensing in a polarization-maintaining photonic crystal fiber. <i>Applied Optics</i> , <b>2010</b> , 49, 6861-7	0.2	1
142	Signed chromatic dispersion monitoring of 100Gbit/s CS-RZ DQPSK signal by evaluating the asymmetry ratio of delay tap sampling. <i>Optics Express</i> , <b>2010</b> , 18, 3149-57	3.3	15
141	Switchable UWB pulse generation using a polarization maintaining fiber Bragg grating as frequency discriminator. <i>Optics Express</i> , <b>2010</b> , 18, 3643-8	3.3	10
140	Signed frequency offset measurement for direct detection DPSK system with a chromatic dispersion offset. <i>Optics Express</i> , <b>2010</b> , 18, 23829-36	3.3	0
139	Linear photonic radio frequency phase shifter using a differential-group-delay element and an optical phase modulator. <i>Optics Letters</i> , <b>2010</b> , 35, 1881-3	3	24
138	Polarizing Properties of Photonic Crystal Fibers With High-Index Cladding Defects. <i>Journal of Lightwave Technology</i> , <b>2010</b> , 28, 1608-1614	4	3
137	Geometrical description of the onset of multi-pulsing in mode-locked laser cavities. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 2068	1.7	68
136	Cascaded higher-order soliton for non-adiabatic pulse compression. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 2180	1.7	32
135	Tunable polarization maintaining fiber Bragg grating based OSNR monitor. <i>Optical Fiber Technology</i> , <b>2010</b> , 16, 222-224	2.4	1
134	Chromatic dispersion monitoring using coherent detection and tone power measurement <b>2009</b> ,		2
133	Fast FBG sensor interrogation system using vertical cavity surface emitting laser source <b>2009</b> ,		1
132	Continuous-wave pumped, all-fiber optical parametric oscillator assisted by stimulated Raman scattering. <i>Optics Communications</i> , <b>2009</b> , 282, 2906-2908	2	
131	Spatial solitons supported by localized gain in nonlinear optical waveguides. <i>European Physical Journal: Special Topics</i> , <b>2009</b> , 173, 233-243	2.3	57

130	Nearly chirp- and pedestal-free pulse compression in nonlinear fiber Bragg gratings. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2009</b> , 26, 432	1.7	34
129	Optimization of 3-hole-assisted PMMA optical fiber with double cladding for UV-induced FBG fabrication. <i>Optics Express</i> , <b>2009</b> , 17, 2080-8	3.3	2
128	C-band single-longitudinal mode lanthanum co-doped bismuth based erbium doped fiber ring laser. <i>Optics Express</i> , <b>2009</b> , 17, 16352-7	3.3	5
127	Multiplexing of polarization-maintaining photonic crystal fiber based Sagnac interferometric sensors. <i>Optics Express</i> , <b>2009</b> , 17, 18501-12	3.3	37
126	Gain dispersion for dissipative soliton generation in all-normal-dispersion fiber lasers. <i>Applied Optics</i> , <b>2009</b> , 48, 5131-7	0.2	23
125	High Fundamental Repetition Rate Fiber Lasers Operated in Strong Normal Dispersion Regime. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 724-726	2.2	18
124	1500-km SSMF Transmission of Mixed 40-Gb/s CS-RZ Duobinary and 100-Gb/s CS-RZ DQPSK Signals. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 1148-1150	2.2	2
123	Multiwavelength Erbium-Doped Fiber Laser Employing Cavity Loss Modulation. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 1314-1316	2.2	17
122	Noise characterization of Raman-assisted fiber optical parametric amplifiers <b>2009</b> ,		2
121	Lightpath Affiliation Graph approach for wavelength assignment of lambda leasing service <b>2009</b> ,		1
120	Fiber optic pressure sensor based on polarization-maintaining photonic crystal fiber for downhole application <b>2009</b> ,		1
119	All-Optical Multicast Switch Employing Raman-Assisted FWM in Dispersion-Shifted Fiber. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 1730-1732	2.2	8
118	Robust pedestal-free pulse compression in cubic-quintic nonlinear media. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	59
117	Pressure sensor realized with polarization-maintaining photonic crystal fiber-based Sagnac interferometer. <i>Applied Optics</i> , <b>2008</b> , 47, 2835-9	1.7	180
116	Effectiveness of Nonlinear Optical Loop Mirrors in Dispersion-Managed Fiber Communication Systems Compensated by Chirped Fiber Gratings With Group Delay Ripples. <i>Journal of Lightwave Technology</i> , <b>2008</b> , 26, 3835-3846	4	
115	6.4-dB Enhancement of the Gain of a Raman-assisted Fiber Optical Parametric Amplifier Over the Sum of the Gains of Individual Amplifiers <b>2008</b> ,		1
114	Optimal noise figure for Raman-assisted fiber optical parametric amplifiers <b>2008</b> ,		2
113	ROLE OF HYSTERESIS ON THE MODE-SHIFT CHARACTERISTICS OF INJECTION LOCKING A LASER DIODE. <i>Journal of Nonlinear Optical Physics and Materials</i> , <b>2008</b> , 17, 15-22	0.8	1



112	High-speed fibre Bragg grating sensor interrogation using dispersion-compensation fibre. <i>Electronics Letters</i> , <b>2008</b> , 44, 618	1.1	32
111	A central control optical burst switching scheme <b>2008</b> ,		1
110	A hybrid optical buffer <b>2008</b> ,		5
109	Performance Model of Deflection-Routed Multi-Slot Batch-Transfer Networks <b>2008</b> ,		1
108	Periodic waves in fiber Bragg gratings. <i>Physical Review E</i> , <b>2008</b> , 77, 026602	2.4	9
107	Fabry Perot laser diode for pulse generation and its other application <b>2008</b> ,		2
106	2D deflection routing node for optical packet-switched networks <b>2008</b> ,		1
105	Novel fiber optic polarimetric torsion sensor based on polarization-maintaining photonic crystal fiber <b>2008</b> ,		3
104	Flat-top pulse generation based on the combined action of active mode locking and nonlinear polarization rotation <b>2008</b> ,		1
103	Large-scale FBG sensors utilizing code division multiplexing <b>2008</b> ,		5
102	All-Optical Clock Recovery Using Erbium-Doped Fiber Laser Incorporating an Electroabsorption Modulator and a Linear Optical Amplifier. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 720-722	2.2	9
101	10-Gb/s Wavelength Transparent Optically Controlled Buffer Using Photonic-Crystal-Fiber-Based Nonlinear Optical Loop Mirror. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 898-900	2.2	5
100	Reconfigurable Microwave Photonic Filter Using Multiwavelength Erbium-Doped Fiber Laser. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 1334-1336	2.2	43
99	Gain Control of Semiconductor Optical Amplifier Using a Bandpass Filter in a Feedback Loop. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 1401-1403	2.2	6
98	All-optical on/off switch based on bismuth-based highly nonlinear fiber. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 838-841	1.2	
97	Behavior of different ansätze in the generalized projection operator method. <i>Chaos, Solitons and Fractals</i> , <b>2007</b> , 31, 639-647	9.3	2
96	Width-tunable pulse generation using four-wave mixing in bismuth based highly nonlinear fiber. <i>Optics Communications</i> , <b>2007</b> , 275, 223-229	2	5
95	MEASUREMENT OF FLICKER NOISE AS A DIAGNOSTIC TOOL FOR HOT-ELECTRON DEGRADATION IN GaN-BASED LEDS. <i>Fluctuation and Noise Letters</i> , <b>2007</b> , 07, L419-L428	1.2	



94	Wavelength Conversion using Multi-Pump Raman-assisted Four-Wave Mixing <b>2007</b> ,		1
93	Long-distance and quasi-distributed FBG sensor system using a SOA based ring cavity scheme <b>2007</b> ,		1
92	Monitoring of Optical Signal-to-Noise Ratio using Polarization Maintaining Fiber Bragg Grating <b>2007</b> ,		1
91	High repetition rate passively Q-switched erbium-doped fiber laser incorporating an electro-absorption modulator <b>2007</b> ,		1
90	Multi-Slot Batch-Transfer Optical Packet Switch <b>2007</b> ,		1
89	All-Optical Wavelength Conversion using Multi-Pump Raman-assisted Four-Wave Mixing <b>2007</b> ,		4
88	All-optical wavelength conversion and multicasting by cross-gain modulation in a single-stage fiber optical parametric amplifier <b>2007</b> ,		7
87	. <i>Journal of Lightwave Technology</i> , <b>2007</b> , 25, 451-462	4	4
86	Modifications of the exciton lifetime and internal quantum efficiency for organic light-emitting devices with a weak/strong microcavity. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 221112	3-4	22
85	40 GHz actively mode-locked erbium-doped fiber ring laser using an electro-absorption modulator and a linear optical amplifier <b>2007</b> ,		1
84	Optical burst switching with large switching overhead <b>2006</b> ,		1
83	Generation of optical pulses with tunable pulsewidth using 1.9 meter bismuth-based highly nonlinear fiber <b>2006</b> ,		1
82	Low beat-noise polarized tunable fiber ring laser. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 706-708	2.2	6
81	Switchable multiwavelength erbium-doped fiber laser with a multimode fiber Bragg grating and photonic crystal fiber. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 1088-1090	2.2	34
80	Stable and uniform multiwavelength erbium-doped fiber laser using nonlinear polarization rotation. <i>Optics Express</i> , <b>2006</b> , 14, 8205-10	3-3	190
79	Multiwavelength erbium-doped fiber laser employing a nonlinear optical loop mirror. <i>Optics Communications</i> , <b>2006</b> , 268, 278-281	2	71
78	Multiwavelength fiber lasers based on multimode fiber Bragg gratings using offset launch technique. <i>Optics Communications</i> , <b>2006</b> , 263, 295-299	2	18
77	All-optical add-drop node for optical packet-switched networks. <i>Optics Letters</i> , <b>2005</b> , 30, 1515-7	3	12

76	A Minimalist Approach to All-Optical Packet Switching. <i>Optics and Photonics News</i> , <b>2005</b> , 16, 34	1.9	2
75	Gaussian pulse propagation in dispersion-managed systems using chirped fiber gratings with group delay ripples. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 1025-1027	2.2	2
74	1/spl times/4 all-optical packet switch at 10 gb/s. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 1289-1291	2.2	7
73	Wavelength-switchable La-codoped bismuth-based erbium-doped fiber ring laser. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 986-988	2.2	9
72	Multiwavelength laser source using linear optical amplifier. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 1611-1613	2.2	30
71	Time- and wavelength-division multiplexing of FBG sensors using a semiconductor optical amplifier in ring cavity configuration. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 2709-2711	2.2	35
70	Generalized projection operator method to derive the pulse parameters equations for the nonlinear Schrödinger equation. <i>Optics Communications</i> , <b>2005</b> , 244, 377-382	2	23
69	Comparison of fiber-based Sagnac interferometers for self-switching of optical pulses. <i>Optics Communications</i> , <b>2005</b> , 245, 177-186	2	9
68	Radiating and non-radiating trains of light pulses in dispersion-managed optical fiber systems. <i>Optics Communications</i> , <b>2005</b> , 250, 24-35	2	3
67	All-optical header processing using an injection-locked Fabry-Pérot laser diode. <i>Microwave and Optical Technology Letters</i> , <b>2005</b> , 44, 342-345	1.2	5
66	Reduction of intersymbol interference in dispersion-managed soliton systems compensated by chirped fibre gratings using nonlinear optical loop mirrors. <i>Journal of Optics</i> , <b>2005</b> , 7, 315-323		2
65	Radiating and nonradiating behavior of hyperbolic-secant, raised-cosine, and Gaussian input light pulses in dispersion-managed fiber systems. <i>Physical Review E</i> , <b>2005</b> , 72, 036613	2.4	10
64	Multiwavelength fibre laser with wavelength selectable from 1590 to 1645 nm. <i>Electronics Letters</i> , <b>2004</b> , 40, 594	1.1	18
63	A wavelength-switched time-slot routing scheme for wavelength-routed networks <b>2004</b> ,		2
62	Self-switching of optical pulses in gain-distributed nonlinear amplifying fibre loop mirror. <i>Electronics Letters</i> , <b>2004</b> , 40, 1208	1.1	1
61	Low-loss waveguide crossing using a multimode interference structure. <i>Optics Communications</i> , <b>2004</b> , 241, 99-104	2	49
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56	Deflection routing in slotted self-routing networks with arbitrary topology. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2004</b> , 22, 1812-1822	14.2	7
55	Simultaneous all-optical waveform reshaping of two 10-Gb/s signals using a single injection-locked Fabry-Perot laser diode. <i>IEEE Photonics Technology Letters</i> , <b>2004</b> , 16, 1537-1539	2.2	7
54	Analytical method for designing grating-compensated dispersion-managed soliton systems. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2004</b> , 21, 706	1.7	4
53	RCS SCATTERING ANALYSIS USING THE THREE-DIMENSIONAL MRTD SCHEME. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2003</b> , 17, 1683-1701	1.3	1
52	Performance of optical automatic gain control EDFA with dual-oscillating control lasers. <i>Optics Communications</i> , <b>2003</b> , 224, 281-287	2	13
51	Optical automatic gain control of EDFA using two oscillating lasers in a single feedback loop. <i>Optics Communications</i> , <b>2003</b> , 225, 157-162	2	20
50	Multiwavelength erbium-doped fiber ring laser source with a hybrid gain medium. <i>Optics Communications</i> , <b>2003</b> , 228, 295-301	2	65
49	Method to find the stationary solution parameters of chirped fiber grating compensated dispersion-managed fiber systems. <i>Optics Communications</i> , <b>2003</b> , 215, 315-321	2	3
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46	Ultrawide-band La-codoped Bi/sub 2/O/sub 3/-based EDFA for L-band DWDM systems. <i>IEEE Photonics Technology Letters</i> , <b>2003</b> , 15, 1525-1527	2.2	19
45	A novel self-routing address scheme for all-optical packet-switched networks with arbitrary topologies. <i>Journal of Lightwave Technology</i> , <b>2003</b> , 21, 329-339	4	17
44	Simultaneous amplification and compression of ultrashort solitons in an erbium-doped nonlinear amplifying fiber loop mirror. <i>IEEE Journal of Quantum Electronics</i> , <b>2003</b> , 39, 555-561	2	7
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42	Optical gain of interdiffused GaInNAs/GaAs quantum wells. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 75, 573-576	2.6	5
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23	Accurate solution of light propagation in optical waveguides using Richardson extrapolation. <i>Mathematics and Computers in Simulation</i> , <b>1994</b> , 37, 279-291	3.3	

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21	Modeling of soliton-dragging logic gates with gain. <i>Optics Letters</i> , <b>1994</b> , 19, 1370-2	3	3
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12	Stability of solitons in randomly varying birefringent fibers. <i>Optics Letters</i> , <b>1991</b> , 16, 1231-3	3	194
11	Effects of randomly varying birefringence on soliton interactions in optical fibers. <i>Optics Letters</i> , <b>1991</b> , 16, 1735-7	3	31
10	Radiations by "solitons" at the zero group-dispersion wavelength of single-mode optical fibers. <i>Physical Review A</i> , <b>1990</b> , 41, 426-439	2.6	213
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7	Soliton at the zero-group-dispersion wavelength of a single-model fiber. <i>Optics Letters</i> , <b>1987</b> , 12, 628-30	3	154
6	Nonlinear pulse propagation in the neighborhood of the zero-dispersion wavelength of monomode optical fibers. <i>Optics Letters</i> , <b>1986</b> , 11, 464-6	3	364
5	Novel resource reservation schemes for optical burst switching		1

4	Using 2x2 switching modules to build large 2-D MEMS optical switches	2
3	Reduction of intersymbol interference in dispersion-managed soliton systems compensated by chirped fiber gratings	2
2	Ultra-wideband bismuth-based EDFA for DWDM systems	1
1	Deflection routing in slotted self-routing networks with arbitrary topology	2