Feng Li

List of Publications by Year
in descending order

133	1,201	430874	454955
papers	citations	18 h-index	30 g-index

134	134	134	1113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geometrical description of the onset of multi-pulsing in mode-locked laser cavities. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2068.	2.1	94
2	Actively mode-locked all fiber laser with cylindrical vector beam output. Optics Letters, 2016, 41, 548.	3.3	74
3	High efficiency all-fiber cylindrical vector beam laser using a long-period fiber grating. Optics Letters, 2018, 43, 755.	3.3	57
4	Investigating the influence of a weak continuous-wave-trigger on picosecond supercontinuum generation. Optics Express, 2011, 19, 13757.	3.4	53
5	Highly coherent supercontinuum generation with picosecond pulses by using self-similar compression. Optics Express, 2014, 22, 27339.	3.4	50
6	All-in-one silicon photonic polarization processor. Nanophotonics, 2019, 8, 2257-2267.	6.0	47
7	Mid-Infrared Octave-Spanning Supercontinuum and Frequency Comb Generation in a Suspended Germanium-Membrane Ridge Waveguide. Journal of Lightwave Technology, 2017, 35, 2994-3002.	4.6	46
8	High sensitivity optical fiber sensors for simultaneous measurement of methanol and ethanol. Sensors and Actuators B: Chemical, 2018, 271, 1-8.	7.8	45
9	A V-shape photonic crystal fiber polarization filter based on surface plasmon resonance effect. Optics Communications, 2019, 452, 1-6.	2.1	38
10	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. Journal of Lightwave Technology, 2018, 36, 3672-3677.	4.6	37
11	High Degree Picosecond Pulse Compression in Chalcogenide-Silicon Slot Waveguide Taper. Journal of Lightwave Technology, 2016, 34, 3843-3852.	4.6	29
12	Dual transmission filters for enhanced energy in mode-locked fiber lasers. Optics Express, 2011, 19, 23408.	3.4	24
13	Deterministic generation of single soliton Kerr frequency comb in microresonators by a single shot pulsed trigger. Optics Express, 2018, 26, 18563.	3.4	24
14	Effect of external cavity length on self-mixing signals in a multilongitudinal-mode Fabryâ€“Perot laser diode. Applied Optics, 2005, 44, 568.	2.1	23
15	Enhanced intermodal four-wave mixing for visible and near-infrared wavelength generation in a photonic crystal fiber. Optics Letters, 2015, 40, 1338.	3.3	23
16	Hybrid Graphene-Silicon Based Polarization-Insensitive Electro-Absorption Modulator with High-Modulation Efficiency and Ultra-Broad Bandwidth. Nanomaterials, 2019, 9, 157.	4.1	22
17	Mid-infrared silicon photonic crystal fiber polarization filter based on surface plasmon resonance effect. Optics Communications, 2020, 463, 125387.	2.1	21
18	Reconfigurable time-stretched swept laser source with up to 100â€‰â€‰MHz sweep rate, 100â€‰â€‰nm bandwidth, and 100â€‰â€‰mm OCT imaging range. Photonics Research, 2020, 8, 1360.	7.0	21

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19	Mid-infrared self-similar compression of picosecond pulse in an inversely tapered silicon ridge waveguide. Optics Express, 2017, 25, 33439.	3.4	20
20	40 Gb/s CAP32 short reach transmission over 80 km single mode fiber. Optics Express, 2015, 23, 11412.	3.4	19
21	Surface plasmon resonance-based silicon dual-core photonic crystal fiber polarization beam splitter at the mid-infrared spectral region. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2221.	2.1	19
22	Impact of Spectral Filtering on Multipulsing Instability in Mode-Locked Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-9.	2.9	18
23	400â€‰â€‰MHz ultrafast optical coherence tomography. Optics Letters, 2020, 45, 6675.	3.3	17
24	A comprehensive theoretical model for on-chip microring-based photonic fractional differentiators. Scientific Reports, 2015, 5, 14216.	3.3	16
25	An Optical Millimeter-Wave Generator Using Optical Higher Order Sideband Injection Locking in a Fabryâ€“PÃ©rot Laser Diode. Journal of Lightwave Technology, 2015, 33, 4985-4996.	4.6	16
26	CMOS-compatible 2-bit optical spectral quantization scheme using a silicon-nanocrystal-based horizontal slot waveguide. Scientific Reports, 2015, 4, 7177.	3.3	16
27	Design of Polarization Beam Splitter in Two-Dimensional Triangular Photonic Crystals. Chinese Physics Letters, 2004, 21, 1285-1288.	3.3	14
28	Time and Fourier domain jointly mode locked frequency comb swept fiber laser. Optics Express, 2017, 25, 32705.	3.4	13
29	Mid-Infrared Self-Similar Pulse Compression in a Tapered Tellurite Photonic Crystal Fiber and Its Application in Supercontinuum Generation. Journal of Lightwave Technology, 2018, 36, 3514-3521.	4.6	13
30	Modeling Frequency Comb Sources. Nanophotonics, 2016, 5, 292-315.	6.0	12
31	Tunable single-longitudinal-mode fiber laser based on a chirped fiber Bragg grating. Optics and Laser Technology, 2020, 121, 105775.	4.6	12
32	10-Gb/s All-Optical VPN in WDM-PON Using Injection-Locked Fabryâ€“PÃ©rot Laser Diodes. IEEE Photonics Technology Letters, 2014, 26, 2299-2302.	2.5	11
33	Generation of Multiple Mid-Infrared Wavelengths by Soliton Fission in a Photonic Crystal Fiber. IEEE Photonics Technology Letters, 2014, 26, 2209-2212.	2.5	11
34	On-chip integratable all-optical quantizer using strong cross-phase modulation in a silicon-organic hybrid slot waveguide. Scientific Reports, 2016, 6, 19528.	3.3	11
35	Self-similar picosecond pulse compression for supercontinuum generation at mid-infrared wavelength in silicon strip waveguides. Optics Communications, 2020, 454, 124380.	2.1	11
36	Frequency comb swept laser with a high-Q microring filter. Photonics Research, 2020, 8, 904.	7.0	11

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37	Design of a dual-channel modelocked fiber laser that avoids multi-pulsing. Optics Express, 2019, 27, 14173.	3.4	10
38	Multiwavelength lasers with homogeneous gain and intensity-dependent loss. Optics Communications, 2011, 284, 2327-2336.	2.1	9
39	Tunable fractional-order photonic differentiator based on the inverse Raman scattering in a silicon microring resonator. Optics Express, 2015, 23, 11141.	3.4	9
40	Experimental generation of discrete ultraviolet wavelength by cascaded intermodal four-wave mixing in a multimode photonic crystal fiber. Optics Letters, 2017, 42, 3537.	3.3	9
41	Rapid, k-space linear wavelength scanning laser source based on recirculating frequency shifter. Optics Express, 2016, 24, 27614.	3.4	8
42	Comprehensive analysis of passive generation of parabolic similaritons in tapered hydrogenated amorphous silicon photonic wires. Scientific Reports, 2017, 7, 3814.	3.3	8
43	Slow-Nonlinearity Assisted Supercontinuum Generation in a CS₂-Core Photonic Crystal Fiber. IEEE Journal of Quantum Electronics, 2019, 55, 1-9.	1.9	8
44	Polarization-dependent intermodal four-wave mixing in a birefringent multimode photonic crystal fiber. Optics Letters, 2017, 42, 1644.	3.3	8
45	Shaping ability of all fiber coherent pulse stacker. Optics and Laser Technology, 2007, 39, 1120-1124.	4.6	7
46	114 nm broadband all-fiber nonlinear polarization rotation mode locked-laser and time-stretch optical coherence tomography. Optics Express, 2021, 29, 33322.	3.4	7
47	Multi-octave mid-infrared supercontinuum and frequency comb generation in a suspended As₂Se₃ ridge waveguide. Applied Optics, 2019, 58, 8404.	1.8	7
48	Polarization-Multiplexed DMT With IM-DD Using 2 × 2 MIMO Processing Based on SOP Estimation and MPBI Elimination. IEEE Photonics Journal, 2015, 7, 1-12.	2.0	6
49	All-optical quantization scheme by slicing the supercontinuum in a chalcogenide horizontal slot waveguide. Journal of Optics (United Kingdom), 2015, 17, 085502.	2.2	6
50	Degenerate Four-Wave Mixing-Based Light Source for CARS Microspectroscopy. IEEE Photonics Technology Letters, 2016, 28, 763-766.	2.5	6
51	Eckhaus Instability in Laser Cavities With Harmonically Swept Filters. Journal of Lightwave Technology, 2021, 39, 6531-6538.	4.6	6
52	Suppression and revival of single-cavity lasing induced by polarization-dependent loss. Optics Letters, 2021, 46, 3151.	3.3	6
53	Frequency synchronization of Fourier domain harmonically mode locked fiber laser by monitoring the supermode noise peaks. Optics Express, 2013, 21, 30255.	3.4	5
54	Gigahertz single source IIR microwave photonic filter based on coherence managed multi-longitudinal-mode fiber laser. Optics Express, 2015, 23, 4277.	3.4	5

#	Article	IF	Citations
55	Integratable all-optical spectral quantization scheme based on chalcogenideâ€“silicon slot waveguide. Optics Communications, 2015, 355, 479-484.	2.1	5
56	Wavelength bistability based on optical injection in a novel tunable dual mode laser. Optics Express, 2016, 24, 3817.	3.4	5
57	Generation of Second-Harmonics Near Ultraviolet Wavelengths From Femtosecond Pump Pulses. IEEE Photonics Technology Letters, 2016, 28, 1719-1722.	2.5	4
58	Highly Sensitive Biochemical Sensor Based on Two-Layer Dielectric Loaded Plasmonic Microring Resonator. Plasmonics, 2017, 12, 1417-1424.	3.4	4
59	Microdisk Resonator With Negative Thermal Optical Coefficient Polymer for Refractive Index Sensing With Thermal Stability. IEEE Photonics Journal, 2018, 10, 1-12.	2.0	4
60	Time Domain Discrete Fourier Domain Mode Locked Laser With k-Space Uniform Comb Lines. Journal of Lightwave Technology, 2021, 39, 2949-2955.	4.6	4
61	Spectrally-isolated violet to blue wavelength generation by cascaded degenerate four-wave mixing in a photonic crystal fiber. Optics Letters, 2016, 41, 2612.	3.3	3
62	Demonstration of Intermodal Four-Wave Mixing by Femtosecond Pulses Centered at 1550 nm in an Air-Silica Photonic Crystal Fiber. Journal of Lightwave Technology, 2017, 35, 2385-2390.	4.6	3
63	Mid-Infrared Spectral Compression of Soliton Pulse in an Adiabatically Suspended Silicon Waveguide Taper. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	3
64	Efficient Spectral Compression of Wavelength-Shifting Soliton and Its Application in Integratable All-Optical Quantization. IEEE Photonics Journal, 2019, 11, 1-15.	2.0	3
65	Energy enhancement in mode-locked fiber lasers by using multiple nonlinear optical fiber loop mirrors. Chinese Optics Letters, 2014, 12, S21407.	2.9	3
66	Fourier domain mode-locked lasers with an optical intensity modulator. , 2018, , .		3
67	Independent control of upper and lower cutoff frequencies in two-dimensional photonic crystal waveguides. , 2005, , .		2
68	Simulation and experimental research on polymer fiber mode selection polished coupler. Chinese Optics Letters, 2008, 6, 16-18.	2.9	2
69	Characterizing bifurcations and chaos in multiwavelength lasers with intensity-dependent loss and saturable homogeneous gain. Optics Communications, 2012, 285, 2144-2153.	2.1	2
70	Deep-ultraviolet second-harmonic generation by combined degenerate four-wave mixing and surface nonlinearity polarization in photonic crystal fiber. Scientific Reports, 2017, 7, 9224.	3.3	2
71	Generation of parabolic pulse in a dispersion and nonlinearity jointly engineered silicon waveguide taper. Optics Communications, 2019, 448, 48-54.	2.1	2
72	Pulse Train Triggered Single Dissipative Kerr Soliton in Microresonator and Application in Terahertz Rate Optical Clock Recovery. Journal of Lightwave Technology, 2021, 39, 3511-3520.	4.6	2

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73	Spectral filtering induced multi-pulsing in mode-locked soliton lasers. , 2016, , .		2
74	Phase Noise of Fourier Domain Mode Locked Laser Based Coherent Detection Systems. Journal of Lightwave Technology, 2022, 40, 615-623.	4.6	2
75	Modulation instability generation with blue-detuned pump laser in coupled microcavities. Journal of the Optical Society of America B: Optical Physics, 0, , .	2.1	2
76	The numerical analysis of a broadly tunable ytterbium-doped fiber ring laser. , 2005, , .		1
77	New laser Doppler velocimetry using self-mixing effect in a vertical-cavity surface-emitting laser modulated by triangular current. , 2005, 5644, 199.		1
78	Spectrum engineering of multiwavelength erbium doped fiber lasers with intensity-dependent loss. , 2011, , .		1
79	Red-shifted solitons for coherent anti-Stokes Raman scattering microspectroscopy in a polarization-maintaining photonic crystal fiber. Optical Engineering, 2015, 54, 056107.	1.0	1
80	Multi-octave mid-infrared supercontinuum generation in dispersion-engineered AlGaAs-based strip waveguides. , 2016, , .		1
81	High quality pulse train from discrete Fourier domain mode locked laser with a comb filter. , 2018, , .		1
82	Discrete Fourier domain harmonically mode locked laser by mode hopping modulation. , 2019, , .		1
83	100 MHz Reconfigurable Ultrafast Swept Source by Time Stretching of 100 nm Flat-top Spectrum. , 2019, , .		1
84	Mid-Infrared Supercontinuum and Frequency Comb Generations by Different Optical Modes in a Multimode Chalcogenide Strip Waveguide. IEEE Access, 2020, 8, 202022-202031.	4.2	1
85	Passive Generation of the Multi-Wavelength Parabolic Pulses in Tapered Silicon Nanowires. IEEE Access, 2020, 8, 77631-77641.	4.2	1
86	Microwave Photonic Filters Based on Multi-longitudinal-mode Fiber Lasers. , 2013, , .		1
87	Simulations of All-optical Packet Switching with All-optical Header Processing using Fabry-Perot Laser Diodes at 10 Gb/s. , 2009, , .		1
88	Experimental demonstration of intermodal four-wave mixing by femtosecond pump pulses at 1550 nm. , 2016, , .		1
89	Self-Similar Pulse Compression at Mid-Infrared Spectral Region in Tapered Tellurite Photonic Crystal Fiber. , 2017, , .		1
90	Integrated Refractive Index Sensing based on Racetrack Micro-Resonators with Higher-Order Modes. , 2017, , .		1

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91	Dynamics of Dual Frequency Mode-Locked Fiber Lasers. , 2018, , .		1
92	Mid-Infrared Spectral Compression of Parabolic Pulses in a Chalcogenide Ridge Waveguide. , 2018, , .		1
93	Design of a Dual-Channel Modelocked Fiber Laser that Avoids Multi-Pulsing. , 2018, , .		1
94	Spectrally uniform discrete Fourier domain mode locked fiber laser by time domain modulation. , 2019, , .		1
95	Discrete Fourier Domain Mode Locked Laser for Simultaneous Dual Modal Swept Source OCT. Journal of Lightwave Technology, 2022, 40, 1873-1878.	4.6	1
96	Multimode interference optical pulse power splitter for 1.053-Î¼m wavelength. , 2005, , .		0
97	Spectrum flattening of white OLED with photonic crystal patterned capping layer. , 2008, , .		0
98	Modeling of multiwavelength laser with saturable homogeneous gain and nonlinear loss. , 2009, , .		0
99	Nonlinear dynamics in lasers with nonlinear loss. , 2009, , .		0
100	Studies on nonlinear loss and laser dynamics: from multiwavelength CW lasing to multi-pulsing transition. , 2010, , .		0
101	Characteristics of supercontinuum generation under the influence of a weak continuous-wave trigger. , 2011, , .		0
102	Pulse energy enhancement in mode locked lasers with cascaded nonlinear polarization rotation. , 2012, , .		0
103	Multiple transmission filters for enhanced energy in mode-locked fiber lasers. , 2012, , .		0
104	Theoretical studies of frequency domain mode-locked fiber lasers. , 2013, , .		0
105	WKB analysis of Fourier domain mode locked fiber lasers. , 2013, , .		0
106	Strong modulation instability and ultra-short pulse train generation in silicon-organic hybrid slot waveguide. , 2015, , .		0
107	Highly coherent supercontinuum pumped by picosecond pulse with a PCF taper. , 2015, , .		0
108	Second-harmonic generation of near ultraviolet wavelength by surface nonlinearity polarization. , 2015, , .		0

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109	Microwave signal generation using sideband injection locking in an Fabry-Pérot laser diode. , 2015, , .		0
110	Stable GHz single source IIR microwave photonic filter with multi-longitudinal-mode fiber laser. , 2015, , .		0
111	Microwave signal generation using sideband injection locking in an Fabry-PÃ©rot laser diode. , 2015, , .		0
112	Two beam injection locking in an Fabry-PÃ©rot laser diode. , 2015, , .		0
113	Investigation of microwave photonic filter based on multiple longitudinal modes fiber laser source. Optical Fiber Technology, 2015, 23, 122-128.	2.7	0
114	Mid-infrared self-similar pulse compression of picosecond pulse in a ridge silicon waveguide taper. , 2017, , .		0
115	Spectral Compression of Mid-infrared Pulse in a Suspended Silicon Waveguide Taper. , 2018, , .		0
116	Ultra-High Modulation Efficiency and Polarization-Insensitive Cadmium Oxide-Silicon Based Electro-Absorption Modulator. , 2019, , .		0
117	Energy discrimination in multi-channel simultaneously mode-locked fiber lasers. , 2019, , .		0
118	A 10-Gb/s Reconfigurable All-Optical VPN in WDM-PONs Based on Mutual Injection Locking in Fabry-PÃ©rot Laser Diodes. , 2013, , .		0
119	Highly coherent supercontinuum generation in AlGaAs-on-insulator waveguide at telecommunication wavelength. , 2015, , .		0
120	Generation of mid-infrared wavelengths by high-order soliton fission and dispersive wave in a chalcogenide-silicon slot waveguide. , 2015, , .		0
121	Soliton-self Compression in a Tapered Chalcogenide Horizontal Slot Waveguide with Low Peak Pulse Power. , 2015, , .		0
122	Mid-infrared octave-spanning frequency comb generation in a suspended germanium-membrane ridge waveguide. , 2016, , .		0
123	Generation of spectrally-isolated violet to blue wavelengths by cascaded degenerate four-wave mixing. , 2016, , .		0
124	Passive generation of parabolic similaritons in tapered hydrogenated amorphous silicon photonic wires. , 2017, , .		0
125	Broadband spectral compression assisted by soliton self-frequency shift in a chalcogenide strip waveguide. , 2017, , .		0
126	Experimental generation of deep-ultraviolet second-harmonics in an air-silica photonic crystal fiber. , 2017, , .		0

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127	Polarization Insensitive Silicon-Indium Tin Oxide Based Electro-Absorption Modulator. , 2018, , .		0
128	Mid-infrared self-similar picosecond pulse compression in a suspended inversely tapered silicon strip waveguide. , 2018, , .		0
129	Supercontinuum Generation in an All-Normal Dispersion Tellurite Photonic Crystal Fiber. , 2018, , .		0
130	Dispersion and nonlinearity jointly engineered silicon waveguide taper for self-similar parabolic pulse propagation. , 2018, , .		0
131	Highly-efficient, ultra-broadband and polarization insensitive graphene-silicon based electro-absorption modulator. , 2018, , .		0
132	Thermally self-stabilized single dissipative Kerr soliton in optical microresonator. , 2018, , .		0
133	Discrete Fourier domain mode locked laser with a microring resonator. , 2019, , .		0