

# Feng Li

## List of Publications by Year in descending order

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133  
papers

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430442

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134  
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134  
docs citations

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times ranked

1113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Noise of Fourier Domain Mode Locked Laser Based Coherent Detection Systems. Journal of Lightwave Technology, 2022, 40, 615-623.	2.7	2
2	Discrete Fourier Domain Mode Locked Laser for Simultaneous Dual Modal Swept Source OCT. Journal of Lightwave Technology, 2022, 40, 1873-1878.	2.7	1
3	Eckhaus Instability in Laser Cavities With Harmonically Swept Filters. Journal of Lightwave Technology, 2021, 39, 6531-6538.	2.7	6
4	Time Domain Discrete Fourier Domain Mode Locked Laser With $k$ -Space Uniform Comb Lines. Journal of Lightwave Technology, 2021, 39, 2949-2955.	2.7	4
5	Suppression and revival of single-cavity lasing induced by polarization-dependent loss. Optics Letters, 2021, 46, 3151.	1.7	6
6	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.	2.7	2
7	114 nm broadband all-fiber nonlinear polarization rotation mode locked-laser and time-stretch optical coherence tomography. Optics Express, 2021, 29, 33322.	1.7	7
8	Tunable single-longitudinal-mode fiber laser based on a chirped fiber Bragg grating. Optics and Laser Technology, 2020, 121, 105775.	2.2	12
9	Self-similar picosecond pulse compression for supercontinuum generation at mid-infrared wavelength in silicon strip waveguides. Optics Communications, 2020, 454, 124380.	1.0	11
10	Mid-Infrared Supercontinuum and Frequency Comb Generations by Different Optical Modes in a Multimode Chalcogenide Strip Waveguide. IEEE Access, 2020, 8, 202022-202031.	2.6	1
11	Passive Generation of the Multi-Wavelength Parabolic Pulses in Tapered Silicon Nanowires. IEEE Access, 2020, 8, 77631-77641.	2.6	1
12	Mid-infrared silicon photonic crystal fiber polarization filter based on surface plasmon resonance effect. Optics Communications, 2020, 463, 125387.	1.0	21
13	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.	0.9	19
14	400- $\mu$ mHz ultrafast optical coherence tomography. Optics Letters, 2020, 45, 6675.	1.7	17
15	Frequency comb swept laser with a high-Q microring filter. Photonics Research, 2020, 8, 904.	3.4	11
16	Reconfigurable time-stretched swept laser source with up to 100- $\mu$ mHz sweep rate, 100- $\mu$ m bandwidth, and 100- $\mu$ m OCT imaging range. Photonics Research, 2020, 8, 1360.	3.4	21
17	A V-shape photonic crystal fiber polarization filter based on surface plasmon resonance effect. Optics Communications, 2019, 452, 1-6.	1.0	38
18	Mid-Infrared Spectral Compression of Soliton Pulse in an Adiabatically Suspended Silicon Waveguide Taper. IEEE Photonics Journal, 2019, 11, 1-11.	1.0	3

#	ARTICLE	IF	CITATIONS
19	All-in-one silicon photonic polarization processor. <i>Nanophotonics</i> , 2019, 8, 2257-2267.	2.9	47
20	Discrete Fourier domain harmonically mode locked laser by mode hopping modulation. , 2019, , .		1
21	Ultra-High Modulation Efficiency and Polarization-Insensitive Cadmium Oxide-Silicon Based Electro-Absorption Modulator. , 2019, , .		0
22	Hybrid Graphene-Silicon Based Polarization-Insensitive Electro-Absorption Modulator with High-Modulation Efficiency and Ultra-Broad Bandwidth. <i>Nanomaterials</i> , 2019, 9, 157.	1.9	22
23	Generation of parabolic pulse in a dispersion and nonlinearity jointly engineered silicon waveguide taper. <i>Optics Communications</i> , 2019, 448, 48-54.	1.0	2
24	Slow-Nonlinearity Assisted Supercontinuum Generation in a CS <sub>2</sub> -Core Photonic Crystal Fiber. <i>IEEE Journal of Quantum Electronics</i> , 2019, 55, 1-9.	1.0	8
25	Efficient Spectral Compression of Wavelength-Shifting Soliton and Its Application in Integratable All-Optical Quantization. <i>IEEE Photonics Journal</i> , 2019, 11, 1-15.	1.0	3
26	100 MHz Reconfigurable Ultrafast Swept Source by Time Stretching of 100 nm Flat-top Spectrum. , 2019, , .		1
27	Energy discrimination in multi-channel simultaneously mode-locked fiber lasers. , 2019, , .		0
28	Multi-octave mid-infrared supercontinuum and frequency comb generation in a suspended As <sub>2</sub> Se <sub>3</sub> ridge waveguide. <i>Applied Optics</i> , 2019, 58, 8404.	0.9	7
29	Design of a dual-channel modelocked fiber laser that avoids multi-pulsing. <i>Optics Express</i> , 2019, 27, 14173.	1.7	10
30	Spectrally uniform discrete Fourier domain mode locked fiber laser by time domain modulation. , 2019, , .		1
31	Discrete Fourier domain mode locked laser with a microring resonator. , 2019, , .		0
32	Impact of Spectral Filtering on Multipulsing Instability in Mode-Locked Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-9.	1.9	18
33	Microdisk Resonator With Negative Thermal Optical Coefficient Polymer for Refractive Index Sensing With Thermal Stability. <i>IEEE Photonics Journal</i> , 2018, 10, 1-12.	1.0	4
34	Spectral Compression of Mid-infrared Pulse in a Suspended Silicon Waveguide Taper. , 2018, , .		0
35	High quality pulse train from discrete Fourier domain mode locked laser with a comb filter. , 2018, , .		1
36	High sensitivity optical fiber sensors for simultaneous measurement of methanol and ethanol. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 1-8.	4.0	45

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37	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. Journal of Lightwave Technology, 2018, 36, 3672-3677.	2.7	37
38	Deterministic generation of single soliton Kerr frequency comb in microresonators by a single shot pulsed trigger. Optics Express, 2018, 26, 18563.	1.7	24
39	High efficiency all-fiber cylindrical vector beam laser using a long-period fiber grating. Optics Letters, 2018, 43, 755.	1.7	57
40	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.	2.7	13
41	Fourier domain mode-locked lasers with an optical intensity modulator. , 2018, , .		3
42	Polarization Insensitive Silicon-Indium Tin Oxide Based Electro-Absorption Modulator. , 2018, , .		0
43	Dynamics of Dual Frequency Mode-Locked Fiber Lasers. , 2018, , .		1
44	Mid-infrared self-similar picosecond pulse compression in a suspended inversely tapered silicon strip waveguide. , 2018, , .		0
45	Supercontinuum Generation in an All-Normal Dispersion Tellurite Photonic Crystal Fiber. , 2018, , .		0
46	Mid-Infrared Spectral Compression of Parabolic Pulses in a Chalcogenide Ridge Waveguide. , 2018, , .		1
47	Dispersion and nonlinearity jointly engineered silicon waveguide taper for self-similar parabolic pulse propagation. , 2018, , .		0
48	Design of a Dual-Channel Modelocked Fiber Laser that Avoids Multi-Pulsing. , 2018, , .		1
49	Highly-efficient, ultra-broadband and polarization insensitive graphene-silicon based electro-absorption modulator. , 2018, , .		0
50	Thermally self-stabilized single dissipative Kerr soliton in optical microresonator. , 2018, , .		0
51	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.	2.7	3
52	Deep-ultraviolet second-harmonic generation by combined degenerate four-wave mixing and surface nonlinearity polarization in photonic crystal fiber. Scientific Reports, 2017, 7, 9224.	1.6	2
53	Mid-Infrared Octave-Spanning Supercontinuum and Frequency Comb Generation in a Suspended Germanium-Membrane Ridge Waveguide. Journal of Lightwave Technology, 2017, 35, 2994-3002.	2.7	46
54	Comprehensive analysis of passive generation of parabolic similaritons in tapered hydrogenated amorphous silicon photonic wires. Scientific Reports, 2017, 7, 3814.	1.6	8

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55	Highly Sensitive Biochemical Sensor Based on Two-Layer Dielectric Loaded Plasmonic Microring Resonator. <i>Plasmonics</i> , 2017, 12, 1417-1424.	1.8	4
56	Mid-infrared self-similar pulse compression of picosecond pulse in a ridge silicon waveguide taper. , 2017, , .		0
57	Time and Fourier domain jointly mode locked frequency comb swept fiber laser. <i>Optics Express</i> , 2017, 25, 32705.	1.7	13
58	Mid-infrared self-similar compression of picosecond pulse in an inversely tapered silicon ridge waveguide. <i>Optics Express</i> , 2017, 25, 33439.	1.7	20
59	Experimental generation of discrete ultraviolet wavelength by cascaded intermodal four-wave mixing in a multimode photonic crystal fiber. <i>Optics Letters</i> , 2017, 42, 3537.	1.7	9
60	Polarization-dependent intermodal four-wave mixing in a birefringent multimode photonic crystal fiber. <i>Optics Letters</i> , 2017, 42, 1644.	1.7	8
61	Passive generation of parabolic similaritons in tapered hydrogenated amorphous silicon photonic wires. , 2017, , .		0
62	Self-Similar Pulse Compression at Mid-Infrared Spectral Region in Tapered Tellurite Photonic Crystal Fiber. , 2017, , .		1
63	Broadband spectral compression assisted by soliton self-frequency shift in a chalcogenide strip waveguide. , 2017, , .		0
64	Experimental generation of deep-ultraviolet second-harmonics in an air-silica photonic crystal fiber. , 2017, , .		0
65	Integrated Refractive Index Sensing based on Racetrack Micro-Resonators with Higher-Order Modes. , 2017, , .		1
66	Rapid, k-space linear wavelength scanning laser source based on recirculating frequency shifter. <i>Optics Express</i> , 2016, 24, 27614.	1.7	8
67	Multi-octave mid-infrared supercontinuum generation in dispersion-engineered AlGaAs-based strip waveguides. , 2016, , .		1
68	On-chip integratable all-optical quantizer using strong cross-phase modulation in a silicon-organic hybrid slot waveguide. <i>Scientific Reports</i> , 2016, 6, 19528.	1.6	11
69	Spectrally-isolated violet to blue wavelength generation by cascaded degenerate four-wave mixing in a photonic crystal fiber. <i>Optics Letters</i> , 2016, 41, 2612.	1.7	3
70	Modeling Frequency Comb Sources. <i>Nanophotonics</i> , 2016, 5, 292-315.	2.9	12
71	Wavelength bistability based on optical injection in a novel tunable dual mode laser. <i>Optics Express</i> , 2016, 24, 3817.	1.7	5
72	High Degree Picosecond Pulse Compression in Chalcogenide-Silicon Slot Waveguide Taper. <i>Journal of Lightwave Technology</i> , 2016, 34, 3843-3852.	2.7	29

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73	Actively mode-locked all fiber laser with cylindrical vector beam output. Optics Letters, 2016, 41, 548.	1.7	74
74	Degenerate Four-Wave Mixing-Based Light Source for CARS Microspectroscopy. IEEE Photonics Technology Letters, 2016, 28, 763-766.	1.3	6
75	Generation of Second-Harmonics Near Ultraviolet Wavelengths From Femtosecond Pump Pulses. IEEE Photonics Technology Letters, 2016, 28, 1719-1722.	1.3	4
76	Spectral filtering induced multi-pulsing in mode-locked soliton lasers. , 2016, , .		2
77	Mid-infrared octave-spanning frequency comb generation in a suspended germanium-membrane ridge waveguide. , 2016, , .		0
78	Generation of spectrally-isolated violet to blue wavelengths by cascaded degenerate four-wave mixing. , 2016, , .		0
79	Experimental demonstration of intermodal four-wave mixing by femtosecond pump pulses at 1550 nm. , 2016, , .		1
80	Polarization-Multiplexed DMT With IM-DD Using 2 &#x00D7; 2 MIMO Processing Based on SOP Estimation and MPBI Elimination. IEEE Photonics Journal, 2015, 7, 1-12.	1.0	6
81	Strong modulation instability and ultra-short pulse train generation in silicon-organic hybrid slot waveguide. , 2015, , .		0
82	A comprehensive theoretical model for on-chip microring-based photonic fractional differentiators. Scientific Reports, 2015, 5, 14216.	1.6	16
83	Highly coherent supercontinuum pumped by picosecond pulse with a PCF taper. , 2015, , .		0
84	Second-harmonic generation of near ultraviolet wavelength by surface nonlinearity polarization. , 2015, , .		0
85	Microwave signal generation using sideband injection locking in an Fabry-P&#x00E9;rot laser diode. , 2015, , .		0
86	Stable GHz single source IIR microwave photonic filter with multi-longitudinal-mode fiber laser. , 2015, , .		0
87	Microwave signal generation using sideband injection locking in an Fabry-P&#x00E9;rot laser diode. , 2015, , .		0
88	Two beam injection locking in an Fabry-P&#x00E9;rot laser diode. , 2015, , .		0
89	Red-shifted solitons for coherent anti-Stokes Raman scattering microspectroscopy in a polarization-maintaining photonic crystal fiber. Optical Engineering, 2015, 54, 056107.	0.5	1
90	An Optical Millimeter-Wave Generator Using Optical Higher Order Sideband Injection Locking in a Fabry&#x00E9;rot Laser Diode. Journal of Lightwave Technology, 2015, 33, 4985-4996.	2.7	16

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91	CMOS-compatible 2-bit optical spectral quantization scheme using a silicon-nanocrystal-based horizontal slot waveguide. Scientific Reports, 2015, 4, 7177.	1.6	16
92	Investigation of microwave photonic filter based on multiple longitudinal modes fiber laser source. Optical Fiber Technology, 2015, 23, 122-128.	1.4	0
93	All-optical quantization scheme by slicing the supercontinuum in a chalcogenide horizontal slot waveguide. Journal of Optics (United Kingdom), 2015, 17, 085502.	1.0	6
94	Gigahertz single source IIR microwave photonic filter based on coherence managed multi-longitudinal-mode fiber laser. Optics Express, 2015, 23, 4277.	1.7	5
95	Tunable fractional-order photonic differentiator based on the inverse Raman scattering in a silicon microring resonator. Optics Express, 2015, 23, 11141.	1.7	9
96	40 Gb/s CAP32 short reach transmission over 80 km single mode fiber. Optics Express, 2015, 23, 11412.	1.7	19
97	Integratable all-optical spectral quantization scheme based on chalcogenide-silicon slot waveguide. Optics Communications, 2015, 355, 479-484.	1.0	5
98	Enhanced intermodal four-wave mixing for visible and near-infrared wavelength generation in a photonic crystal fiber. Optics Letters, 2015, 40, 1338.	1.7	23
99	Highly coherent supercontinuum generation in AlGaAs-on-insulator waveguide at telecommunication wavelength. , 2015, , .		0
100	Generation of mid-infrared wavelengths by high-order soliton fission and dispersive wave in a chalcogenide-silicon slot waveguide. , 2015, , .		0
101	Soliton-self Compression in a Tapered Chalcogenide Horizontal Slot Waveguide with Low Peak Pulse Power. , 2015, , .		0
102	10-Gb/s All-Optical VPN in WDM-PON Using Injection-Locked Fabry-Pérot Laser Diodes. IEEE Photonics Technology Letters, 2014, 26, 2299-2302.	1.3	11
103	Highly coherent supercontinuum generation with picosecond pulses by using self-similar compression. Optics Express, 2014, 22, 27339.	1.7	50
104	Generation of Multiple Mid-Infrared Wavelengths by Soliton Fission in a Photonic Crystal Fiber. IEEE Photonics Technology Letters, 2014, 26, 2209-2212.	1.3	11
105	Energy enhancement in mode-locked fiber lasers by using multiple nonlinear optical fiber loop mirrors. Chinese Optics Letters, 2014, 12, S21407.	1.3	3
106	Theoretical studies of frequency domain mode-locked fiber lasers. , 2013, , .		0
107	Frequency synchronization of Fourier domain harmonically mode locked fiber laser by monitoring the supermode noise peaks. Optics Express, 2013, 21, 30255.	1.7	5
108	WKB analysis of Fourier domain mode locked fiber lasers. , 2013, , .		0

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109	Microwave Photonic Filters Based on Multi-longitudinal-mode Fiber Lasers. , 2013, , .		1
110	A 10-Gb/s Reconfigurable All-Optical VPN in WDM-PONs Based on Mutual Injection Locking in Fabry-Pérot Laser Diodes. , 2013, , .		0
111	Pulse energy enhancement in mode locked lasers with cascaded nonlinear polarization rotation. , 2012, , .		0
112	Multiple transmission filters for enhanced energy in mode-locked fiber lasers. , 2012, , .		0
113	Characterizing bifurcations and chaos in multiwavelength lasers with intensity-dependent loss and saturable homogeneous gain. Optics Communications, 2012, 285, 2144-2153.	1.0	2
114	Characteristics of supercontinuum generation under the influence of a weak continuous-wave trigger. , 2011, , .		0
115	Investigating the influence of a weak continuous-wave-trigger on picosecond supercontinuum generation. Optics Express, 2011, 19, 13757.	1.7	53
116	Dual transmission filters for enhanced energy in mode-locked fiber lasers. Optics Express, 2011, 19, 23408.	1.7	24
117	Multiwavelength lasers with homogeneous gain and intensity-dependent loss. Optics Communications, 2011, 284, 2327-2336.	1.0	9
118	Spectrum engineering of multiwavelength erbium doped fiber lasers with intensity-dependent loss. , 2011, , .		1
119	Studies on nonlinear loss and laser dynamics: from multiwavelength CW lasing to multi-pulsing transition. , 2010, , .		0
120	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.	0.9	94
121	Modeling of multiwavelength laser with saturable homogeneous gain and nonlinear loss. , 2009, , .		0
122	Nonlinear dynamics in lasers with nonlinear loss. , 2009, , .		0
123	Simulations of All-optical Packet Switching with All-optical Header Processing using Fabry-Perot Laser Diodes at 10 Gb/s. , 2009, , .		1
124	Simulation and experimental research on polymer fiber mode selection polished coupler. Chinese Optics Letters, 2008, 6, 16-18.	1.3	2
125	Spectrum flattening of white OLED with photonic crystal patterned capping layer. , 2008, , .		0
126	Shaping ability of all fiber coherent pulse stacker. Optics and Laser Technology, 2007, 39, 1120-1124.	2.2	7



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127	Multimode interference optical pulse power splitter for 1.053- $\mu$ m wavelength. , 2005, , .		0
128	The numerical analysis of a broadly tunable ytterbium-doped fiber ring laser. , 2005, , .		1
129	Independent control of upper and lower cutoff frequencies in two-dimensional photonic crystal waveguides. , 2005, , .		2
130	New laser Doppler velocimetry using self-mixing effect in a vertical-cavity surface-emitting laser modulated by triangular current. , 2005, 5644, 199.		1
131	Effect of external cavity length on self-mixing signals in a multilongitudinal-mode Fabry-Perot laser diode. Applied Optics, 2005, 44, 568.	2.1	23
132	Design of Polarization Beam Splitter in Two-Dimensional Triangular Photonic Crystals. Chinese Physics Letters, 2004, 21, 1285-1288.	1.3	14
133	Modulation instability generation with blue-detuned pump laser in coupled microcavities. Journal of the Optical Society of America B: Optical Physics, 0, , .	0.9	2