

Simon Lefrancois

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

581
citations

623188

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996533

15
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24
all docs

24
docs citations

24
times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaling of dissipative soliton fiber lasers to megawatt peak powers by use of large-area photonic crystal fiber. Optics Letters, 2010, 35, 1569.	1.7	121
2	Fiber four-wave mixing source for coherent anti-Stokes Raman scattering microscopy. Optics Letters, 2012, 37, 1652.	1.7	86
3	Fiber optical parametric oscillator for coherent anti-Stokes Raman scattering microscopy. Optics Letters, 2013, 38, 4154.	1.7	68
4	Phase-sensitive amplification in silicon photonic crystal waveguides. Optics Letters, 2014, 39, 363.	1.7	46
5	Scaling Fiber Lasers to Large Mode Area: An Investigation of Passive Mode-Locking Using a Multi-Mode Fiber. IEEE Journal of Quantum Electronics, 2011, 47, 597-606.	1.0	35
6	Low-threshold Brillouin laser at 2 μm based on suspended-core chalcogenide fiber. Optics Letters, 2014, 39, 4651.	1.7	35
7	Hybrid Brillouin/thulium multiwavelength fiber laser with switchable single- and double-Brillouin-frequency spacing. Optics Express, 2014, 22, 31884.	1.7	29
8	Controlling free-carrier temporal effects in silicon by dispersion engineering. Optica, 2014, 1, 299.	4.8	27
9	Energy scaling of mode-locked fiber lasers with chirally-coupled core fiber. Optics Express, 2011, 19, 3464.	1.7	26
10	Non-degenerate two-photon absorption in silicon waveguides: analytical and experimental study. Optics Express, 2015, 23, 17101.	1.7	23
11	High-energy similariton fiber laser using chirally coupled core fiber. Optics Letters, 2013, 38, 43.	1.7	21
12	Nonlinear silicon photonics analyzed with the moment method. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 218.	0.9	21
13	Free-carrier-induced soliton fission unveiled by in situ measurements in nanophotonic waveguides. Nature Communications, 2016, 7, 11332.	5.8	17
14	Optimizing optical Bragg scattering for single-photon frequency conversion. Physical Review A, 2015, 91, .	1.0	16
15	Cross-phase modulation-induced spectral broadening in silicon waveguides. Optics Express, 2016, 24, 443.	1.7	7
16	Soliton dynamics in semiconductor photonic crystals. , 2016, , .		2
17	High power dissipative soliton laser using chirally-coupled core fiber. , 2011, , .		1
18	Passive mode-locking using multi-mode fiber. Proceedings of SPIE, 2011, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	High-performance fiber parametric oscillator for coherent Raman microscopy. , 2014, , .		0
20	Phase-Sensitive Amplification in Silicon and Chalcogenide Waveguides. , 2016, , .		0
21	Cross Nonlinear Absorption in Silicon Waveguides. , 2015, , .		0
22	Nonlinear Silicon Photonics and the Moment Method. , 2015, , .		0
23	Non-degenerate Two-photon Absorption in Silicon Waveguides. , 2015, , .		0
24	Solitary pulses in nanophotonic waveguides. , 2016, , .		0