Simon Lefrancois

List of Publications by Year
in descending order

24 papers	581 citations	623188 14 h-index	996533 15 g-index
24 all docs	24 docs citations	24 times ranked	733 citing authors

#	Article	IF	Citations
1	Cross-phase modulation-induced spectral broadening in silicon waveguides. Optics Express, 2016, 24, 443.	1.7	7
2	Phase-Sensitive Amplification in Silicon and Chalcogenide Waveguides. , 2016, , .		0
3	Free-carrier-induced soliton fission unveiled by in situ measurements in nanophotonic waveguides. Nature Communications, 2016, 7, 11332.	5.8	17
4	Soliton dynamics in semiconductor photonic crystals. , 2016, , .		2
5	Solitary pulses in nanophotonic waveguides. , 2016, , .		0
6	Optimizing optical Bragg scattering for single-photon frequency conversion. Physical Review A, 2015, 91, .	1.0	16
7	Nonlinear silicon photonics analyzed with the moment method. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 218.	0.9	21
8	Non-degenerate two-photon absorption in silicon waveguides: analytical and experimental study. Optics Express, 2015, 23, 17101.	1.7	23
9	Cross Nonlinear Absorption in Silicon Waveguides. , 2015, , .		0
10	Nonlinear Silicon Photonics and the Moment Method. , 2015, , .		0
11	Non-degenerate Two-photon Absorption in Silicon Waveguides. , 2015, , .		0
12	High-performance fiber parametric oscillator for coherent Raman microscopy. , 2014, , .		0
13	Hybrid Brillouin/thulium multiwavelength fiber laser with switchable single- and double-Brillouin-frequency spacing. Optics Express, 2014, 22, 31884.	1.7	29
14	Controlling free-carrier temporal effects in silicon by dispersion engineering. Optica, 2014, 1, 299.	4.8	27
15	Low-threshold Brillouin laser at 2â€‰â€‰Î¼m based on suspended-core chalcogenide fiber. Optics Letters, 2014, 39, 4651.	1.7	35
16	Phase-sensitive amplification in silicon photonic crystal waveguides. Optics Letters, 2014, 39, 363.	1.7	46
17	High-energy similariton fiber laser using chirally coupled core fiber. Optics Letters, 2013, 38, 43.	1.7	21
18	Fiber optical parametric oscillator for coherent anti-Stokes Raman scattering microscopy. Optics Letters, 2013, 38, 4154.	1.7	68

#	Article	IF	Citations
19	Fiber four-wave mixing source for coherent anti-Stokes Raman scattering microscopy. Optics Letters, 2012, 37, 1652.	1.7	86
20	Energy scaling of mode-locked fiber lasers with chirally-coupled core fiber. Optics Express, 2011, 19, 3464.	1.7	26
21	Passive mode-locking using multi-mode fiber. Proceedings of SPIE, 2011, , .	0.8	0
22	High power dissipative soliton laser using chirally-coupled core fiber. , 2011, , .		1
23	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
24	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