Jacob S Levy

List of Publications by Citations

17 papers	1,965 citations	13 h-index	27 g-index
27 ext. papers	2,543 ext. citations	5.2 avg, IF	4.45 L-index

#	Paper	IF	Citations
17	CMOS-compatible multiple-wavelength oscillator for on-chip optical interconnects. *Nature Photonics*, **2010**, 4, 37-40	33.9	600
16	Octave-spanning frequency comb generation in a silicon nitride chip. *Optics Letters*, **2011**, 36, 3398-400	3	344
15	High confinement micron-scale silicon nitride high Q ring resonator. *Optics Express*, **2009**, 17, 11366-70	3.3	209
14	Harmonic generation in silicon nitride ring resonators. *Optics Express*, **2011**, 19, 11415-21	3.3	201
13	Modelocking and femtosecond pulse generation in chip-based frequency combs. *Optics Express*, **2013**, 21, 1335-43	3.3	143
12	Silicon-based monolithic optical frequency comb source. *Optics Express*, **2011**, 19, 14233-9	3.3	132
11	Photonic network-on-chip architectures using multilayer deposited silicon materials for high-performance chip multiprocessors. *ACM Journal on Emerging Technologies in Computing Systems*, **2011**, 7, 1-25	1.7	66
10	Strong polarization mode coupling in microresonators. *Optics Letters*, **2014**, 39, 5134-7	3	57
9	Chip-based frequency combs with sub-100 GHz repetition rates. *Optics Letters*, **2012**, 37, 875-7	3	53
8	High-Performance Silicon-Nitride-Based Multiple-Wavelength Source. *IEEE Photonics Technology Letters*, **2012**, 24, 1375-1377	2.2	50
7	Asynchronous single-shot characterization of high-repetition-rate ultrafast waveforms using a time-lens-based temporal magnifier. *Optics Letters*, **2012**, 37, 4892-4	3	39
6	Microresonator-based comb generation without an external laser source. *Optics Express*, **2014**, 22, 1394-401	3.3	34
5	Broadband parametric frequency comb generation with a 1-μm pump source. *Optics Express*, **2012**, 20, 26935-41	3.3	26
4	High-Performance Silicon-Based Multiple Wavelength Source **2011**,		6
3	Efficient Frequency Conversion at Low-Powers in a Silicon Microresonator Using Carrier Extraction **2011**,		2
2	Demonstration of 1.28-Tb/s transmission in next-generation nanowires for photonic networks-on-chip **2010**,		2
1	Octave-Spanning Supercontinuum Generation in CMOS-Compatible Silicon Nitride Waveguides **2011**,		1