Jacob S Levy

List of Publications by Year
in descending order

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27	2,668	686830 13	1125271 13
papers	citations	h-index	g-index

27	27	27	2213
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CMOS-compatible multiple-wavelength oscillator for on-chip optical interconnects. Nature Photonics, 2010, 4, 37-40.	15.6	847
2	Octave-spanning frequency comb generation in a silicon nitride chip. Optics Letters, 2011, 36, 3398.	1.7	452
3	High confinement micron-scale silicon nitride high Q ring resonator. Optics Express, 2009, 17, 11366.	1.7	265
4	Harmonic generation in silicon nitride ring resonators. Optics Express, 2011, 19, 11415.	1.7	255
5	Modelocking and femtosecond pulse generation in chip-based frequency combs. Optics Express, 2013, 21, 1335.	1.7	217
6	Silicon-based monolithic optical frequency comb source. Optics Express, 2011, 19, 14233.	1.7	162
7	Strong polarization mode coupling in microresonators. Optics Letters, 2014, 39, 5134.	1.7	93
8	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.	1.8	82
9	Asynchronous single-shot characterization of high-repetition-rate ultrafast waveforms using a time-lens-based temporal magnifier. Optics Letters, 2012, 37, 4892.	1.7	68
10	Chip-based frequency combs with sub-100 GHz repetition rates. Optics Letters, 2012, 37, 875.	1.7	68
11	High-Performance Silicon-Nitride-Based Multiple-Wavelength Source. IEEE Photonics Technology Letters, 2012, 24, 1375-1377.	1.3	67
12	Microresonator-based comb generation without an external laser source. Optics Express, 2014, 22, 1394.	1.7	44
13	Broadband parametric frequency comb generation with a 1-Î¼m pump source. Optics Express, 2012, 20, 26935.	1.7	33
14	High-Performance Silicon-Based Multiple Wavelength Source. , 2011, , .		7
15	Demonstration of 1.28-Tb/s transmission in next-generation nanowires for photonic networks-on-chip. , 2010, , .		3
16	Efficient Frequency Conversion at Low-Powers in a Silicon Microresonator Using Carrier Extraction. , 2011, , .		2
17	Octave-Spanning Supercontinuum Generation in CMOS-Compatible Silicon Nitride Waveguides. , 2011, , .		2
18	Octave-Spanning Supercontinuum Generation in CMOS-Compatible Silicon Nitride Waveguides. , 2011, , .		1

#	Article	IF	Citations
19	Broadband Parametric Frequency Combs with Sub-100-GHz Repetition Rates. , 2012, , .		0
20	On-Chip High Repetition Rate Femtosecond Source. , 2012, , .		0
21	Visible Harmonic Generation in CMOS-Compatible Integrated Photonic Devices. , 2010, , .		0
22	Ultrabroadband Frequency Comb Generation at 1 Î¼m in a Silicon-Nitride Ring Resonator. , 2011, , .		0
23	Silicon-Chip-Based Octave-Spanning Frequency Comb. , 2012, , .		0
24	Silicon-Chip Femtosecond Source. , 2012, , .		0
25	Chip-Based Parametric Comb Generation without an External Pump Laser. , 2013, , .		0
26	Single-Shot Characterization of Ultrafast High-Repetition-Rate Signals Using an Asynchronous Time Magnifier. , 2013, , .		0
27	Microresonator-Based Parametric Frequency Comb Generation Without an External Pump Laser. , 2013, , .		0