Kevin Luke

List of Publications by Year
in descending order

30 papers	2,363 citations	430442 18 h-index	794141 19 g-index
30 all docs	30 docs citations	30 times ranked	2300 citing authors

#	Article	IF	Citations
1	Broadband mid-infrared frequency comb generation in a Si_3N_4 microresonator. Optics Letters, 2015, 40, 4823.	1.7	417
2	Thermally controlled comb generation and soliton modelocking in microresonators. Optics Letters, 2016, 41, 2565.	1.7	295
3	On-chip dual-comb source for spectroscopy. Science Advances, 2018, 4, e1701858.	4.7	256
4	Overcoming Si_3N_4 film stress limitations for high quality factor ring resonators. Optics Express, 2013, 21, 22829.	1.7	176
5	Breaking voltageâ€“bandwidth limits in integrated lithium niobate modulators using micro-structured electrodes. Optica, 2021, 8, 357.	4.8	166
6	On-Chip Optical Squeezing. Physical Review Applied, 2015, 3, .	1.5	165
7	Octave-spanning coherent supercontinuum generation in a silicon nitride waveguide. Optics Letters, 2015, 40, 5117.	1.7	153
8	Bandwidth shaping of microresonator-based frequency combs via dispersion engineering. Optics Letters, 2014, 39, 3535.	1.7	106
9	High Coupling Efficiency Etched Facet Tapers in Silicon Waveguides. IEEE Photonics Technology Letters, 2014, 26, 2380-2382.	1.3	98
10	Tunable frequency combs based on dual microring resonators. Optics Express, 2015, 23, 21527.	1.7	94
11	Gigahertz frequency comb offset stabilization based on supercontinuum generation in silicon nitride waveguides. Optics Express, 2016, 24, 11043.	1.7	88
12	On-chip frequency comb generation at visible wavelengths via simultaneous second- and third-order optical nonlinearities. Optics Express, 2014, 22, 26517.	1.7	73
13	Dual-pumped degenerate Kerr oscillator in a silicon nitride microresonator. Optics Letters, 2015, 40, 5267.	1.7	66
14	Dynamics of mode-coupling-induced microresonator frequency combs in normal dispersion. Optics Express, 2016, 24, 28794.	1.7	47
15	Quantum random number generator using a microresonator-based Kerr oscillator. Optics Letters, 2016, 41, 4194.	1.7	44
16	Counter-rotating cavity solitons in a silicon nitride microresonator. Optics Letters, 2018, 43, 547.	1.7	38
17	Broadband parametric frequency comb generation with a 1-Î¼m pump source. Optics Express, 2012, 20, 26935.	1.7	33
18	Tunable squeezing using coupled ring resonators on a silicon nitride chip. Optics Letters, 2016, 41, 223.	1.7	32

#	Article	IF	Citations
19	Broadband Mid-Infrared Frequency Comb Generation in a Si3N4 Microresonator. , 2015, , .		6
20	Breaking voltage-bandwidth limits in integrated lithium niobate modulators using micro-structured electrodes: erratum. Optica, 2021, 8, 1218.	4.8	5
21	Monolithic Source of Tunable Narrowband Photons for Future Quantum Networks. , 2015, , .		3
22	Silicon Chip-Based Quantum Random Number Generator. , 2017, , .		2
23	Overcoming SiN film stress limitations for high quality factor ring resonators. , 2013, , .		0
24	Broadband Microresonator-Based Parametric Frequency Comb near Visible Wavelengths. , 2014, , .		0
25	Multimode Correlations in Chip-based Frequency Combs. , 2014, , .		0
26	Bandwidth Shaping of Parametric Frequency Combs via Dispersion Engineering. , 2014, , .		0
27	Tunable Squeezing Using Coupled Ring Resonators on a Silicon Nitride Chip. , 2015, , .		0
28	Generation of Dual Frequency Combs using Cascaded Microring Resonators. , 2016, , .		0
29	Counter-Propagating Solitons in Microresonators. , 2017, , .		0
30	Microresonator-Based Quantum Random Number Generator. , 2017, , .		0