

Jaime Cardenas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

1,787
citations

12
h-index

25
g-index

25
ext. papers

2,248
ext. citations

8.6
avg, IF

4.74
L-index

#	Paper	IF	Citations
18	Enhanced on-chip frequency measurement using weak value amplification.. <i>Optics Express</i> , 2022 , 30, 3700-3718	3.3	
17	Automated system for the detection of 2D materials using digital image processing and deep learning. <i>Optical Materials Express</i> , 2022 , 12, 1856	2.6	1
16	Enhanced on-chip phase measurement by inverse weak value amplification. <i>Nature Communications</i> , 2021 , 12, 6247	17.4	1
15	Coupled-mode theory of the polarization dynamics inside a microring resonator with a uniaxial core. <i>Physical Review A</i> , 2021 , 103,	2.6	2
14	Design of an X-cut thin-film lithium niobate waveguide as a passive polarization rotator. <i>Optics Express</i> , 2021 , 29, 44174	3.3	1
13	Reconfigurable nanophotonic silicon probes for sub-millisecond deep-brain optical stimulation. <i>Nature Biomedical Engineering</i> , 2020 , 4, 223-231	19	46
12	Fiber-to-chip fusion splicing for low-loss photonic packaging. <i>Optica</i> , 2019 , 6, 549	8.6	10
11	On-chip dual-comb source for spectroscopy. <i>Science Advances</i> , 2018 , 4, e1701858	14.3	155
10	Ultra-low-loss on-chip resonators with sub-milliwatt parametric oscillation threshold. <i>Optica</i> , 2017 , 4, 619	8.6	233
9	Tunable squeezing using coupled ring resonators on a silicon nitride chip. <i>Optics Letters</i> , 2016 , 41, 223-63		30
8	Silicon-chip mid-infrared frequency comb generation. <i>Nature Communications</i> , 2015 , 6, 6299	17.4	228
7	Graphene electro-optic modulator with 30 GHz bandwidth. <i>Nature Photonics</i> , 2015 , 9, 511-514	33.9	491
6	Synchronization and Phase Noise Reduction in Micromechanical Oscillator Arrays Coupled through Light. <i>Physical Review Letters</i> , 2015 , 115, 163902	7.4	101
5	Scalable Integration of Long-Lived Quantum Memories into a Photonic Circuit. <i>Physical Review X</i> , 2015 , 5,	9.1	57
4	High Coupling Efficiency Etched Facet Tapers in Silicon Waveguides. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2380-2382	2.2	76
3	High Q SiC microresonators. <i>Optics Express</i> , 2013 , 21, 16882-7	3.3	52
2	Wide-bandwidth continuously tunable optical delay line using silicon microring resonators. <i>Optics Express</i> , 2010 , 18, 26525-34	3.3	106

1 Low loss etchless silicon photonic waveguides. *Optics Express*, **2009**, 17, 4752-7

3.3 191