

# Jaime Cardenas

## List of Publications by Citations

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**Version:** 2024-04-27

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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	Graphene electro-optic modulator with 30 GHz bandwidth. <i>Nature Photonics</i> , <b>2015</b> , 9, 511-514	33.9	491
17	Ultra-low-loss on-chip resonators with sub-milliwatt parametric oscillation threshold. <i>Optica</i> , <b>2017</b> , 4, 619	8.6	233
16	Silicon-chip mid-infrared frequency comb generation. <i>Nature Communications</i> , <b>2015</b> , 6, 6299	17.4	228
15	Low loss etchless silicon photonic waveguides. <i>Optics Express</i> , <b>2009</b> , 17, 4752-7	3.3	191
14	On-chip dual-comb source for spectroscopy. <i>Science Advances</i> , <b>2018</b> , 4, e1701858	14.3	155
13	Wide-bandwidth continuously tunable optical delay line using silicon microring resonators. <i>Optics Express</i> , <b>2010</b> , 18, 26525-34	3.3	106
12	Synchronization and Phase Noise Reduction in Micromechanical Oscillator Arrays Coupled through Light. <i>Physical Review Letters</i> , <b>2015</b> , 115, 163902	7.4	101
11	High Coupling Efficiency Etched Facet Tapers in Silicon Waveguides. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2380-2382	2.2	76
10	Scalable Integration of Long-Lived Quantum Memories into a Photonic Circuit. <i>Physical Review X</i> , <b>2015</b> , 5,	9.1	57
9	High Q SiC microresonators. <i>Optics Express</i> , <b>2013</b> , 21, 16882-7	3.3	52
8	Reconfigurable nanophotonic silicon probes for sub-millisecond deep-brain optical stimulation. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 223-231	19	46
7	Tunable squeezing using coupled ring resonators on a silicon nitride chip. <i>Optics Letters</i> , <b>2016</b> , 41, 223-63		30
6	Fiber-to-chip fusion splicing for low-loss photonic packaging. <i>Optica</i> , <b>2019</b> , 6, 549	8.6	10
5	Coupled-mode theory of the polarization dynamics inside a microring resonator with a uniaxial core. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	2
4	Enhanced on-chip phase measurement by inverse weak value amplification. <i>Nature Communications</i> , <b>2021</b> , 12, 6247	17.4	1
3	Automated system for the detection of 2D materials using digital image processing and deep learning. <i>Optical Materials Express</i> , <b>2022</b> , 12, 1856	2.6	1
2	Design of an X-cut thin-film lithium niobate waveguide as a passive polarization rotator. <i>Optics Express</i> , <b>2021</b> , 29, 44174	3.3	1

- 1 Enhanced on-chip frequency measurement using weak value amplification.. *Optics Express*, **2022**, 30, 3700-3718 33