

Carl B Poitras

List of Publications by Citations

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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.

23
papers

1,999
citations

15
h-index

29
g-index

29
ext. papers

2,359
ext. citations

7.3
avg, IF

4.5
L-index

#	Paper	IF	Citations
23	Silicon nanostructure cloak operating at optical frequencies. <i>Nature Photonics</i> , 2009 , 3, 461-463	33.9	502
22	WDM-compatible mode-division multiplexing on a silicon chip. <i>Nature Communications</i> , 2014 , 5, 3069	17.4	428
21	Silicon-chip mid-infrared frequency comb generation. <i>Nature Communications</i> , 2015 , 6, 6299	17.4	228
20	Low loss etchless silicon photonic waveguides. <i>Optics Express</i> , 2009 , 17, 4752-7	3.3	191
19	Near-field radiative cooling of nanostructures. <i>Nano Letters</i> , 2012 , 12, 4546-50	11.5	153
18	Deposited silicon high-speed integrated electro-optic modulator. <i>Optics Express</i> , 2009 , 17, 5118-24	3.3	86
17	High Coupling Efficiency Etched Facet Tapers in Silicon Waveguides. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2380-2382	2.2	76
16	Scalable Integration of Long-Lived Quantum Memories into a Photonic Circuit. <i>Physical Review X</i> , 2015 , 5,	9.1	57
15	High-Speed 2\$, times , \$2 Switch for Multiwavelength Silicon-Photonic Networks On-Chip. <i>Journal of Lightwave Technology</i> , 2009 , 27, 2900-2907	4	57
14	High quality factor and high confinement silicon resonators using etchless process. <i>Optics Express</i> , 2012 , 20, 21341-5	3.3	48
13	High-speed electro-optic control of the optical quality factor of a silicon microcavity. <i>Optics Letters</i> , 2008 , 33, 1644-6	3	40
12	Photoluminescence and cathodoluminescence analyses of GaN powder doped with Eu. <i>Applied Physics Letters</i> , 2006 , 88, 011921	3.4	31
11	Green emission from Er-doped GaN powder. <i>Applied Physics Letters</i> , 2005 , 86, 191918	3.4	28
10	Focusing light in a curved-space. <i>Optics Express</i> , 2010 , 18, 3181-6	3.3	22
9	CMOS compatible reconfigurable filter for high bandwidth non-blocking operation. <i>Optics Express</i> , 2011 , 19, 20115-21	3.3	15
8	Purification and mechanical nanosizing of Eu-doped GaN. <i>Journal of Crystal Growth</i> , 2009 , 311, 4402-4407	1.6	14
7	Luminescence dynamics and waveguide applications of europium doped gallium nitride powder. <i>Applied Physics Letters</i> , 2006 , 89, 111912	3.4	8

6	Demonstration of Cloaking at Optical Frequencies 2009 ,	4
5	DPSK Modulation Using a Microring Modulator 2011 ,	3
4	High-Speed 2 \times switch for multi-wavelength message routing in on-chip silicon photonic networks 2008 ,	3
3	Photonic Devices in Low-Temperature Laser-Crystallized Deposited Silicon 2010 ,	2
2	Luminescence and lifetime properties of europium doped gallium nitride compatible with CMOS technology. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 866, 71	2
1	Electro-Optically Tunable Delay on a Silicon Micro-Chip 2009 ,	1