

Carl B Poitras

List of Publications by Year in Descending Order

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Version: 2024-04-20

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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-chip mid-infrared frequency comb generation. <i>Nature Communications</i> , 2015 , 6, 6299	17.4	228
22	Scalable Integration of Long-Lived Quantum Memories into a Photonic Circuit. <i>Physical Review X</i> , 2015 , 5,	9.1	57
21	WDM-compatible mode-division multiplexing on a silicon chip. <i>Nature Communications</i> , 2014 , 5, 3069	17.4	428
20	High Coupling Efficiency Etched Facet Tapers in Silicon Waveguides. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2380-2382	2.2	76
19	Near-field radiative cooling of nanostructures. <i>Nano Letters</i> , 2012 , 12, 4546-50	11.5	153
18	High quality factor and high confinement silicon resonators using etchless process. <i>Optics Express</i> , 2012 , 20, 21341-5	3.3	48
17	CMOS compatible reconfigurable filter for high bandwidth non-blocking operation. <i>Optics Express</i> , 2011 , 19, 20115-21	3.3	15
16	DPSK Modulation Using a Microring Modulator 2011 ,		3
15	Focusing light in a curved-space. <i>Optics Express</i> , 2010 , 18, 3181-6	3.3	22
14	Photonic Devices in Low-Temperature Laser-Crystallized Deposited Silicon 2010 ,		2
13	Silicon nanostructure cloak operating at optical frequencies. <i>Nature Photonics</i> , 2009 , 3, 461-463	33.9	502
12	Purification and mechanical nanosizing of Eu-doped GaN. <i>Journal of Crystal Growth</i> , 2009 , 311, 4402-4407.6		14
11	Low loss etchless silicon photonic waveguides. <i>Optics Express</i> , 2009 , 17, 4752-7	3.3	191
10	Deposited silicon high-speed integrated electro-optic modulator. <i>Optics Express</i> , 2009 , 17, 5118-24	3.3	86
9	High-Speed 2\$, times ,5\$ Switch for Multiwavelength Silicon-Photonic Networks On-Chip. <i>Journal of Lightwave Technology</i> , 2009 , 27, 2900-2907	4	57
8	Demonstration of Cloaking at Optical Frequencies 2009 ,		4
7	Electro-Optically Tunable Delay on a Silicon Micro-Chip 2009 ,		1

6	High-speed electro-optic control of the optical quality factor of a silicon microcavity. <i>Optics Letters</i> , 2008 , 33, 1644-6	3	40
5	High-Speed 2 μ m switch for multi-wavelength message routing in on-chip silicon photonic networks 2008 ,		3
4	Photoluminescence and cathodoluminescence analyses of GaN powder doped with Eu. <i>Applied Physics Letters</i> , 2006 , 88, 011921	3-4	31
3	Luminescence dynamics and waveguide applications of europium doped gallium nitride powder. <i>Applied Physics Letters</i> , 2006 , 89, 111912	3-4	8
2	Green emission from Er-doped GaN powder. <i>Applied Physics Letters</i> , 2005 , 86, 191918	3-4	28
1	Luminescence and lifetime properties of europium doped gallium nitride compatible with CMOS technology. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 866, 71		2