

# Venkat Veerasubramanian

## List of Publications by Year in descending order

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31  
papers

828  
citations

687363

13  
h-index

996975

15  
g-index

31  
all docs

31  
docs citations

31  
times ranked

944  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental parametric study of 128 Gb/s PAM-4 transmission system using a multi-electrode silicon photonic Mach Zehnder modulator. Optics Express, 2017, 25, 13252.	3.4	78
2	Digital Signal Processing for Dual-Polarization Intensity and Interpolarization Phase Modulation Formats Using Stokes Detection. Journal of Lightwave Technology, 2016, 34, 188-195.	4.6	37
3	A Silicon Photonic PAM-4 Modulator Based on Dual-Parallel Mach-Zehnder Interferometers. IEEE Photonics Journal, 2016, 8, 1-10.	2.0	51
4	Silicon Photonic Segmented Modulator-Based Electro-Optic DAC for 100 Gb/s PAM-4 Generation. IEEE Photonics Technology Letters, 2015, 27, 2433-2436.	2.5	70
5	A Low-Voltage 35-GHz Silicon Photonic Modulator-Enabled 112-Gb/s Transmission System. IEEE Photonics Journal, 2015, 7, 1-13.	2.0	80
6	Design, analysis, and transmission system performance of a 41 GHz silicon photonic modulator. Optics Express, 2015, 23, 14263.	3.4	161
7	Thermally controlled coupling of a rolled-up microtube integrated with a waveguide on a silicon electronic-photonic integrated circuit. Optics Letters, 2014, 39, 2699.	3.3	11
8	Tunable nanophotonic delay lines using linearly chirped contradirectional couplers with uniform Bragg gratings. Optics Letters, 2014, 39, 701.	3.3	46
9	Focusing-curved subwavelength grating couplers for ultra-broadband silicon photonics optical interfaces. Optics Express, 2014, 22, 18224.	3.4	85
10	High-speed compact silicon photonic Michelson interferometric modulator. Optics Express, 2014, 22, 26788.	3.4	45
11	OOK and PAM optical modulation using a single drive push pull silicon Mach-Zehnder modulator. , 2014, , .		6
12	A 4&#x00D7;4 fully non-blocking switch on SOI based on interferometric thermo-optic phase shifters. , 2014, , .		8
13	Silicon photonic Bragg-grating couplers for optical communications. , 2014, , .		7
14	Controlled Coupling of Rolled-Up Microtubes Integrated with Silicon Waveguides. , 2014, , .		0
15	A Lumped Michelson Interferometric Modulator in Silicon. , 2014, , .		1
16	Rolled-up 1.5 &#x00B5;m InAs quantum dot tube lasers and integrated nanophotonic circuits on Si. , 2013, , .		0
17	Waveguide-coupled drop filters on SOI using quarter-wave shifted sidewalled grating resonators. Optics Express, 2012, 20, 15983.	3.4	16
18	Design and Demonstration of Apodized Comb Filters on SOI. IEEE Photonics Journal, 2012, 4, 1133-1139.	2.0	8

#	ARTICLE	IF	CITATIONS
19	Demonstration of a plasmonic thermocycler for the amplification of human androgen receptor DNA. <i>Analyst</i> , The, 2012, 137, 4475.	3.5	38
20	Apodized comb filters on SOI using sidewalled sampled gratings. , 2012, , .		0
21	Single rolled-up InGaAs/GaAs quantum dot microtubes integrated with silicon-on-insulator waveguides. <i>Optics Express</i> , 2011, 19, 12164.	3.4	51
22	Selective polarization mode excitation in InGaAs/GaAs microtubes. <i>Optics Letters</i> , 2011, 36, 3506.	3.3	23
23	A Vertical SG-DBR Based Tunable Hybrid Silicon Evanescent Laser. , 2011, , .		0
24	Self-organized quantum-dot semiconductor microtube resonators and their integration on silicon photonics platforms. , 2011, , .		0
25	Hybrid III&#x2013;V silicon evanescent lasers with vertical sidewalled gratings. , 2011, , .		0
26	Characterization of InGaAs/GaAs microtubes at transparent wavelengths. , 2011, , .		0
27	Self-organized InAs quantum dot tube lasers and integrated optoelectronics on Si. , 2011, , .		3
28	1.3 &#x2013; 1.55 &#x00B5;m self-organized InAs quantum dot tube nanoscale lasers on silicon. , 2011, , .		2
29	Demonstration of waveguide-coupled sidewalled grating filters on SOI. , 2011, , .		0
30	Waveguide coupled drop filters on SOI using vertical sidewalled grating resonators. , 2010, , .		1
31	Propagation analysis of an 80-Gb/s wavelength-converted signal utilizing XPM. , 2008, , .		0