

# Alexander Gazman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4423104/publications.pdf>

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19  
papers

305  
citations

1307594

7  
h-index

1720034

7  
g-index

19  
all docs

19  
docs citations

19  
times ranked

435  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design Space Exploration of Microring Resonators in Silicon Photonic Interconnects: Impact of the Ring Curvature. Journal of Lightwave Technology, 2018, 36, 2767-2782.	4.6	69
2	Silicon Photonics for Extreme Scale Systems. Journal of Lightwave Technology, 2019, 37, 245-259.	4.6	56
3	Thermal Rectification of Integrated Microheaters for Microring Resonators in Silicon Photonics Platform. Journal of Lightwave Technology, 2018, 36, 773-788.	4.6	54
4	Energy-performance optimized design of silicon photonic interconnection networks for high-performance computing. , 2017, , .		29
5	Software-defined control-plane for wavelength selective unicast and multicast of optical data in a silicon photonic platform. Optics Express, 2017, 25, 232.	3.4	26
6	Software-defined networking control plane for seamless integration of multiple silicon photonic switches in Datacom networks. Optics Express, 2018, 26, 10914.	3.4	21
7	WDM Source Based on High-Power, Efficient 1280-nm DFB Lasers for Terabit Interconnect Technologies. IEEE Photonics Technology Letters, 2018, 30, 1929-1932.	2.5	14
8	Tapless and topology agnostic calibration solution for silicon photonic switches. Optics Express, 2018, 26, 32662.	3.4	12
9	Optically Connected Memory for Disaggregated Data Centers. , 2020, , .		8
10	Automated Thermal Stabilization of Cascaded Silicon Photonic Ring Resonators for Reconfigurable WDM Applications. , 2017, , .		7
11	256/64-QAM Multicarrier Analog Radio-over-Fiber Modulation using a Linear Differential Drive Silicon Mach-Zehnder Modulator. , 2018, , .		3
12	Wavelength Locking of Multicast Signals Using Photo-Conductive Effect in Silicon Photonic Platform. , 2018, , .		2
13	Polarization-insensitive 40Gb/s 4-WDM channels receiver on SOI platform. , 2015, , .		1
14	Software-Defined Networking Control Plane for Seamless Integration of Silicon Photonics in Datacom Networks. , 2017, , .		1
15	High-Power, Efficient 1280nm WDM Source for Terabit Interconnects. , 2018, , .		1
16	Time-Efficient Photonic Variability Simulator for Uncertainty Quantification of Photonic Integrated Circuit. , 2019, , .		1
17	Optimized silicon photonic components for high-performance interconnect systems. , 2015, , .		0
18	Programmable optical power distribution in silicon photonic platform. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Topology Agnostic Solution for Tapless Calibration of Silicon Photonic Mach-Zehnder Based Switches. , 2018, , .		0