Konstantinos Maragos

List of Publications by Year
in descending order

18 papers	**101** citations	1937632 **4** h-index	1872665 **6** g-index
18 all docs	**18** docs citations	**18** times ranked	**111** citing authors

#	Article	IF	Citations
1	High Speed Direct Modulation of a Heterogeneously Integrated InP/SOI DFB Laser. Journal of Lightwave Technology, 2016, 34, 1683-1687.	4.6	22
2	In-the-Field Mitigation of Process Variability for Improved FPGA Performance. IEEE Transactions on Computers, 2019, 68, 1049-1063.	3.4	12
3	Slotted TDMA and optically switched network for disaggregated datacenters. , 2017, , .		7
4	TID Evaluation System With On-Chip Electron Source and Programmable Sensing Mechanisms on FPGA. IEEE Transactions on Nuclear Science, 2019, 66, 312-319.	2.0	7
5	A scalable optically-switched datacenter network with multicasting. , 2016, , .		6
6	Application performance improvement by exploiting process variability on FPGA devices. , 2017, , .		6
7	A Flexible, High-Performance FPGA Implementation of a Feed-Forward Equalizer for Optical Interconnects up to 112 Gb/s. Journal of Signal Processing Systems, 2017, 88, 107-125.	2.1	6
8	Evaluation Methodology and Reconfiguration Tests on the New European NG-MEDIUM FPGA. , 2018, , .		6
9	Analysis of Performance Variation in 16nm FinFET FPGA Devices. , 2019, , .		6
10	FPGA acceleration of hyperspectral image processing for high-speed detection applications. , 2017, , .		5
11	Project HIPNOS: Case Study of High Performance Avionics for Active Debris Removal in Space. , 2017, , .		5
12	Process Variability Analysis in Interconnect, Logic, and Arithmetic Blocks of 16-nm FinFET FPGAs. ACM Transactions on Reconfigurable Technology and Systems, 2021, 14, 1-30.	2.5	4
13	Frequency offset estimation and carrier phase recovery for high-order QAM constellations using the Viterbi-Viterbi monomial estimator. , 2014, , .		2
14	Optical PAM-4 generation through polarization multiplexing in single-polarization single-mode VCSELs. , 2016, , .		2
15	Carrier Phase Recovery of 64 GBd Optical 16-QAM Using Extensive Parallelization on an FPGA. , 2018, , .		2
16	End-to-End Real-Time Demonstration of the Slotted, SDN-Controlled NEPHELE Optical Datacenter Network. Photonics, 2020, 7, 44.	2.0	2
17	A 56 Gbaud reconfigurable FPGA feed-forward equalizer for optical datacenter networks with flexible baudrate- and modulation-format. , 2016, , .		1
18	Slotted optical datacenter network with sub-wavelength resource allocation. , 2017, , .		0