Siddharth Varughese

List of Publications by Year
in descending order

14 papers	148 citations	1684188 5 h-index	1872680 6 g-index
14 all docs	14 docs citations	14 times ranked	220 citing authors

#	Article	IF	Citations
1	Constellation-based identification of linear and nonlinear OSNR using machine learning: a study of link-agnostic performance. Optics Express, 2022, 30, 2693.	3.4	4
2	Accelerating Assessments of Optical Components Using Machine Learning: TDECQ as Demonstrated Example. Journal of Lightwave Technology, 2021, 39, 64-72.	4.6	5
3	Impairment Identification for PAM-4 Transceivers and Links Using Machine Learning. , 2021, , .		2
4	Frequency Dependent ENoB Requirements for 400G/600G/800G Optical Links. Journal of Lightwave Technology, 2020, 38, 5008-5016.	4.6	10
5	Optical performance monitoring using digital coherent receivers and convolutional neural networks. Optics Express, 2020, 28, 32087.	3.4	18
6	Joint Linear and Nonlinear Noise Estimation of Optical Links by Exploiting Carrier Phase Recovery. , 2020, , .		6
7	Convolutional Recurrent Machine Learning for OSNR and Launch Power Estimation: A Critical Assessment. , 2020, , .		3
8	Identification of Soft Failures in Optical Links Using Low Complexity Anomaly Detection. , 2019, , .		21
9	Scaling VCSEL-MMF Links to 1 Tb/s Using Short Wavelength Division Multiplexing. Journal of Lightwave Technology, 2018, 36, 4138-4145.	4.6	23
10	Frequency Dependent ENoB Requirements for M-QAM Optical Links: An Analysis Using an Improved Digital to Analog Converter Model. Journal of Lightwave Technology, 2018, 36, 4082-4089.	4.6	33
11	Implementing DACs in High Speed Optical Link Simulations. , 2017, , .		6
12	Blind polarization identification and demultiplexing using statistical learning. , 2017, , .		2
13	4Î» Ã— 100Gbps VCSEL PAM-4 Transmission over 105m of Wide Band Multimode Fiber. , 2017, , .		10
14	ENoB requirements for non-square 64-QAM. , 2016, , .		5