Sorin Tibuleac

List of Publications by Year
in descending order

19	239	1040056 9	1058476 14
papers	citations	h-index	g-index

19	19	19	289
all docs	docs citations	times ranked	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	Frequency Dependent ENoB Requirements for 400G/600G/800G Optical Links. Journal of Lightwave Technology, 2020, 38, 5008-5016.	4.6	10
3	Statistical Evaluation of PAM4 Data Center Interconnect System With Slope-Compensating Fiber Bragg Grating Tunable Dispersion Compensation Module. Journal of Lightwave Technology, 2020, 38, 3173-3179.	4.6	7
4	Optical performance monitoring using digital coherent receivers and convolutional neural networks. Optics Express, 2020, 28, 32087.	3.4	18
5	Joint Linear and Nonlinear Noise Estimation of Optical Links by Exploiting Carrier Phase Recovery. , 2020, , .		6
6	GOSNR Characterization by Optical Spectrum Analysis. , 2020, , .		1
7	Novel OSNR Measurement Techniques Based on Optical Spectrum Analysis and Their Application to Coherent-Detection Systems. Journal of Lightwave Technology, 2019, 37, 562-570.	4.6	14
8	Identification of Soft Failures in Optical Links Using Low Complexity Anomaly Detection. , 2019, , .		21
9	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
10	Implementing DACs in High Speed Optical Link Simulations. , 2017, , .		6
11	ENoB requirements for non-square 64-QAM. , 2016, , .		5
12	Non-intrusive OSNR measurement of polarization-multiplexed signals with spectral shaping and subject to fiber non-linearity with minimum channel spacing of 375GHz. Optics Express, 2016, 24, 20156.	3.4	19
13	System Performance Prediction With the Gaussian Noise Model in 100G PDM-QPSK Coherent Optical Networks. Journal of Lightwave Technology, 2013, 31, 3352-3360.	4.6	20
14	100G Super-Channel Transmission Over 1500 km of NZ-DSF With 10G Neighbors. IEEE Photonics Technology Letters, 2013, 25, 2365-2368.	2.5	3
15	Experimental study of cross-phase modulation reduction in hybrid systems with co-propagating 100G PM-QPSK and 10G OOK. Optics Express, 2013, 21, 31483.	3.4	9
16	Generalized weighted crosstalk for DWDM systems with cascaded wavelength-selective switches. Optics Express, 2012, 20, 17620.	3.4	20
17	Passband Narrowing and Crosstalk Impairments in ROADM-Enabled 100G DWDM Networks. Journal of Lightwave Technology, 2012, 30, 3980-3986.	4.6	29
18	Scaling 112 Gb/s Optical Networks With the Nonlinear Threshold Metric. Journal of Lightwave Technology, 2012, 30, 1291-1298.	4.6	4

#	Article	IF	Citations
19	In-Band Crosstalk Transmission Penalties on 112-Gb/s PDM-QPSK Optical Links. IEEE Photonics Technology Letters, 2011, 23, 745-747.	2.5	10