Giuseppe Rizzelli Martella

List of Publications by Year
in descending order

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30	202	1163117 8	1058476 14
papers	citations	h-index	g-index

30	30	30	135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phase Noise Impact and Scalability of Self-Homodyne Short-Reach Coherent Transmission Using DFB Lasers. Journal of Lightwave Technology, 2022, 40, 37-44.	4.6	3
2	Statistical Analysis of 100 Gbps per Wavelength SWDM VCSEL-MMF Data Center Links on a Large Set of OM3 and OM4 Fibers. Journal of Lightwave Technology, 2022, 40, 1018-1026.	4.6	8
3	Experimental Demonstration of 100 Gbps/Î» C-Band Direct-Detection Downstream PON Using Non-Linear and CD Compensation with 29 dB+ OPL Over 0 Kmâ€“100 Km. Journal of Lightwave Technology, 2022, 40, 547-556.	4.6	11
4	200 Gbps/Î» PON Downstream C-Band Direct-Detection Links with â‰¥29 dB Power Budget. Applied Sciences (Switzerland), 2022, 12, 3538.	2.5	1
5	Advances in Optical Fiber Communications. Applied Sciences (Switzerland), 2022, 12, 4818.	2.5	1
6	Optical sensing in urban areas by deployed telecommunication fiber networks. , 2022, , .		3
7	Vibration Sensing for Deployed Metropolitan Fiber Infrastructure. Journal of Lightwave Technology, 2021, 39, 1204-1211.	4.6	17
8	100 Gbps/Î» C-Band CD Digital Pre-Compensated and Direct-Detection Links With Simple Non-Linear Compensation. IEEE Photonics Journal, 2021, 13, 1-8.	2.0	9
9	Scaling Laws for Unamplified Coherent Transmission in Next-Generation Short-Reach and Access Networks. Journal of Lightwave Technology, 2021, 39, 5805-5814.	4.6	17
10	100+ Gbps/Î» 50 km C-Band Downstream PON Using CD Digital Pre-Compensation and Direct-Detection ONU Receiver. Journal of Lightwave Technology, 2020, 38, 6807-6816.	4.6	12
11	Anomalous relative intensity noise transfer in ultralong random fiber lasers. Optics Express, 2020, 28, 28234.	3.4	8
12	Experimental Observation of Anomalous RIN Transfer in Random Distributed Feedback Raman Fiber Lasers. , 2019, , .		1
13	Sensitivity and Scaling Laws of Unamplified Coherent Architectures for Intra-Data Center Links Beyond 100 Gb/s. , 2019, , .		1
14	Reduced Polarisation-Dependent Gain RIN in Second-Order Ultralong Raman Laser Amplification. , 2018, , .		0
15	Polarization Control in Closed Cavity Raman Fiber Lasers. , 2018, , .		0
16	Spontaneous pump depolarization in ultralong cavity Raman fiber laser amplifiers. Optics Express, 2018, 26, 27842.	3.4	2
17	Open-Cavity Spun Fiber Raman Lasers with Dual Polarization Output. Scientific Reports, 2017, 7, 13681.	3.3	1
18	Optimal balance of RIN and ASE impairments in ultra-long Raman laser amplified 10Ã—30 GBaud DP-QPSK transmission. , 2017, , .		0

#	Article	IF	Citations
19	Transmission Span Optimization in Fiber Systems With Cavity and Random Distributed Feedback Ultralong Raman Laser Amplification. Journal of Lightwave Technology, 2017, 35, 4967-4972.	4.6	7
20	Raman cell optimisation for distributed amplification based transmission systems. , 2017, , .		0
21	Performance optimization in ultra-long Raman laser amplified 10Ã—30 GBaud DP-QPSK transmission: balancing RIN and ASE noise. Optics Express, 2017, 25, 21454.	3.4	7
22	Unrepeatered 64QAM over SMF-28 using Raman Amplification and Digital Backpropagation. , 2017, , .		2
23	Impact of input FBG reflectivity and forward pump power on RIN transfer in ultralong Raman laser amplifiers. Optics Express, 2016, 24, 29170.	3.4	25
24	Link optimization for DWDM transmission with an optical phase conjugation. Optics Express, 2016, 24, 16450.	3.4	6
25	Link optimisation for DWDM transmission with an optical phase conjugation. , 2016, , .		0
26	Characterisation of random DFB Raman laser amplifier for WDM transmission. Optics Express, 2015, 23, 28634.	3.4	26
27	Signal power asymmetry optimisation for optical phase conjugation using Raman amplification. Optics Express, 2015, 23, 31772.	3.4	31
28	Optimisation of random DFB Raman laser amplifier. , 2015, , .		0
29	Signal Power Symmetry Optimization for Optical Phase Conjugation Using Raman Amplification. , 2015, , .		1
30	Signal Power Asymmetry Optimisation for Optical Phase Conjugation Using Random DFB Laser Raman Amplification. , 2015, , .		2