

Giuseppe Rizzelli Martella

List of Publications by Year in descending order

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docs citations

30
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	Signal power asymmetry optimisation for optical phase conjugation using Raman amplification. Optics Express, 2015, 23, 31772.	3.4	31
2	Characterisation of random DFB Raman laser amplifier for WDM transmission. Optics Express, 2015, 23, 28634.	3.4	26
3	Impact of input FBC reflectivity and forward pump power on RIN transfer in ultralong Raman laser amplifiers. Optics Express, 2016, 24, 29170.	3.4	25
4	Vibration Sensing for Deployed Metropolitan Fiber Infrastructure. Journal of Lightwave Technology, 2021, 39, 1204-1211.	4.6	17
5	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
6	100+ Gbps/λ 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
7	Experimental Demonstration of 100 Gbps/λ C-Band Direct-Detection Downstream PON Using Non-Linear and CD Compensation with 29 dB+ OPL Over 0 Km²100 Km. Journal of Lightwave Technology, 2022, 40, 547-556.	4.6	11
8	100 Gbps/λ 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	Anomalous relative intensity noise transfer in ultralong random fiber lasers. Optics Express, 2020, 28, 28234.	3.4	8
10	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
11	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
12	Performance optimization in ultra-long Raman laser amplified 10 ³ –30 GBaud DP-QPSK transmission: balancing RIN and ASE noise. Optics Express, 2017, 25, 21454.	3.4	7
13	Link optimization for DWDM transmission with an optical phase conjugation. Optics Express, 2016, 24, 16450.	3.4	6
14	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
15	Optical sensing in urban areas by deployed telecommunication fiber networks. , 2022, , .		3
16	Unrepeated 64QAM over SMF-28 using Raman Amplification and Digital Backpropagation. , 2017, , .		2
17	Signal Power Asymmetry Optimisation for Optical Phase Conjugation Using Random DFB Laser Raman Amplification. , 2015, , .		2
18	Spontaneous pump depolarization in ultralong cavity Raman fiber laser amplifiers. Optics Express, 2018, 26, 27842.	3.4	2

#	ARTICLE	IF	CITATIONS
19	Signal Power Symmetry Optimization for Optical Phase Conjugation Using Raman Amplification. , 2015, , .		1
20	Open-Cavity Spun Fiber Raman Lasers with Dual Polarization Output. Scientific Reports, 2017, 7, 13681.	3.3	1
21	Experimental Observation of Anomalous RIN Transfer in Random Distributed Feedback Raman Fiber Lasers. , 2019, , .		1
22	Sensitivity and Scaling Laws of Unamplified Coherent Architectures for Intra-Data Center Links Beyond 100 Gb/s. , 2019, , .		1
23	200 Gbps/λ PON Downstream C-Band Direct-Detection Links with 29 dB Power Budget. Applied Sciences (Switzerland), 2022, 12, 3538.	2.5	1
24	Advances in Optical Fiber Communications. Applied Sciences (Switzerland), 2022, 12, 4818.	2.5	1
25	Optimisation of random DFB Raman laser amplifier. , 2015, , .		0
26	Link optimisation for DWDM transmission with an optical phase conjugation. , 2016, , .		0
27	Optimal balance of RIN and ASE impairments in ultra-long Raman laser amplified 10–30 GBaud DP-QPSK transmission. , 2017, , .		0
28	Raman cell optimisation for distributed amplification based transmission systems. , 2017, , .		0
29	Reduced Polarisation-Dependent Gain RIN in Second-Order Ultralong Raman Laser Amplification. , 2018, , .		0
30	Polarization Control in Closed Cavity Raman Fiber Lasers. , 2018, , .		0