Mads Lillieholm

List of Publications by Year
in descending order

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15 papers	152 citations	1478505 6 h-index	1588992 8 g-index
15 all docs	15 docs citations	15 times ranked	181 citing authors

#	Article	IF	Citations
1	Mode Division Multiplexing on Standard 50/125 Âµm Multi Mode Fiber using Photonic Lanterns. , 2021, , .		5
2	Optical processing and manipulation of wavelength division multiplexed signals. , 2020, , 233-299.		2
3	MDM Transmission Using Air-Clad Photonic Lanterns. IEEE Photonics Technology Letters, 2020, 32, 1049-1052.	2.5	3
4	Modeling of MIMO Less Mode Division Multiplexed Systems. IEEE Photonics Technology Letters, 2020, 32, 1191-1194.	2.5	9
5	All-Optical Spectral Magnification of WDM Signals after 50 km of Dispersion Un-Compensated Transmission. , 2020, , .		0
6	4:1 Silicon Photonic Serializer for Data Center Interconnects Demonstrating 104 Gbaud OOK and PAM4 Transmission. Journal of Lightwave Technology, 2019, 37, 1498-1503.	4.6	21
7	Scalable WDM phase regeneration in a single phase-sensitive amplifier through optical time lenses. Nature Communications, 2018, 9, 1049.	12.8	26
8	Time Lens-Based Optical Fourier Transformation for All-Optical Signal Processing of Spectrally-Efficient Data. Journal of Lightwave Technology, 2017, 35, 799-806.	4.6	21
9	All-Optical Ultra-High-Speed OFDM to Nyquist-WDM Conversion Based on Complete Optical Fourier Transformation. Journal of Lightwave Technology, 2016, 34, 626-632.	4.6	20
10	Detailed Characterization of Continuous-Wave and Pulsed-Pump Four-Wave Mixing in Nonlinear Fibers. , 2016, , .		0
11	Comparison of delay-interferometer and time-lens-based all-optical OFDM demultiplexers. , 2015, , .		0
12	Comparison of Delay-Interferometer and Time- Lens-Based All-Optical OFDM Demultiplexers. IEEE Photonics Technology Letters, 2015, 27, 1153-1156.	2.5	1
13	Energy-Efficient Optical Signal Processing Using Optical Time Lenses. Springer Series in Optical Sciences, 2015, , 261-289.	0.7	0
14	Ultra-high-speed optical serial-to-parallel data conversion by time-domain optical Fourier transformation in a silicon nanowire. Optics Express, 2011, 19, B825.	3.4	44
15	Air-clad photonic lanterns: fabrication and applications. Journal of Optics (United Kingdom), 0, , .	2.2	0