

Mads Lillieholm

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/154061/publications.pdf>

Version: 2024-02-01

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