

# Meng Xiang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Single-Lane 145 Gbit/s IM/DD Transmission With Faster-Than-Nyquist PAM4 Signaling. IEEE Photonics Technology Letters, 2018, 30, 1238-1241.	2.5	40
2	Advanced DSP Enabled C-Band 112 Gbit/s IM/DD PAM-4 Transmissions With Severe Bandwidth-Constraint. Journal of Lightwave Technology, 2022, 40, 987-996.	4.6	22
3	Blind Adaptive Digital Backpropagation for Fiber Nonlinearity Compensation. Journal of Lightwave Technology, 2018, 36, 1746-1756.	4.6	21
4	240 Gbit/s Silicon Photonic Mach-Zehnder Modulator Enabled by Two 2.3-Vpp Drivers. Journal of Lightwave Technology, 2020, , 1-1.	4.6	20
5	Bandwidth variable transceivers with artificial neural network-aided provisioning and capacity improvement capabilities in meshed optical networks with cascaded ROADMs filtering. Optics Communications, 2018, 409, 23-33.	2.1	14
6	Complexity Reduction With a Simplified MIMO Volterra Filter for PDM-Twin-SSB PAM-4 Transmission. Journal of Lightwave Technology, 2020, 38, 769-776.	4.6	13
7	Experimental study of performance enhanced IM/DD transmissions combining 4D Trellis coded modulation with precoding. Optics Express, 2018, 26, 32522.	3.4	12
8	Experimental study of performance enhanced IM/DD transmissions based on constellation switching. Optics Express, 2018, 26, 15480.	3.4	9
9	Dual Parallel Multielectrode Traveling Wave Mach-Zehnder Modulator for 200 Gb/s Intra-datacenter Optical Interconnects. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	5
10	Experimental Demonstration of 600 Gb/s Net Rate PAM4 Transmissions over 2 km and 10 km with a 4-IM/DD CWDM TOSA. Journal of Lightwave Technology, 2020, , 1-1.	4.6	5
11	C-band 200 Gbit/s IM/DD PAM-4 transmission over 2-km SSMF using look-up-table pre-distortion combined with nonlinear Tomlinson-Harashima pre-coding. Optics Express, 2022, 30, 15416.	3.4	4
12	Hardware-Efficient Blind Frequency Offset Estimation for Spectral-Efficient Digital Subcarrier Multiplexing Systems. Journal of Lightwave Technology, 2022, 40, 4246-4256.	4.6	4
13	Low-Complexity One-Step Digital Back-Propagation for Single Span High-Capacity Coherent Transmissions. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	2