Shuto Yamamoto

List of Publications by Year
in descending order

18 papers	195 citations	1684188 5 h-index	2053705 5 g-index
18 all docs	18 docs citations	18 times ranked	137 citing authors

#	Article	IF	Citations
1	Digital Longitudinal Monitoring of Optical Fiber Communication Link. Journal of Lightwave Technology, 2022, 40, 2390-2408.	4.6	28
2	255-Gbps PAM-8 Transmission under 20-GHz Bandwidth Limitation Using NL-MLSE Based on Volterra Filter. , 2019, , .		24
3	Simultaneous Detection of Anomaly Points and Fiber types in Multi-span Transmission Links Only by Receiver-side Digital Signal Processing. , 2020, , .		17
4	Spectral-Shaping Technique Based on Nonlinear-Coded-Modulation for Short-Reach Optical Transmission. Journal of Lightwave Technology, 2020, 38, 466-474.	4.6	14
5	Nonlinear Differential Coding for Spectral Shaping of PAM Signal in High-Baudrate Short-Reach Optical Transmission. Journal of Lightwave Technology, 2021, 39, 1064-1071.	4.6	14
6	Digital Backpropagation for Optical Path Monitoring: Loss Profile and Passband Narrowing Estimation. , 2020, , .		14
7	41-Tbps C-Band WDM Transmission with 10-bps/Hz Spectral Efficiency using 1-Tbps/λ Signals. Journal of Lightwave Technology, 2020, , 1-1.	4.6	13
8	96-Gbaud PAM-4 Transmission with 1 sample/symbol under 22-GHz Bandwidth Limitation Using NL-MLSE Based on Third-Order Volterra Filter. , 2018, , .		12
9	92-Gbaud PAM4 Transmission Using Spectral-Shaping Trellis-Coded-Modulation with 20-GHz Bandwidth Limitation. , 2019, , .		12
10	First demonstration of a C‰+‰L band CDC-ROADM with a simple node configuration using multiband switching devices. Optics Express, 2021, 29, 36353.	3.4	10
11	O-band Transmission of 255-Gb/s PAM8 Signal through 10-km SMF Using MLSE Based on Nonlinear Channel Estimation. , 2019, , .		8
12	Achievement of 90-Gbaud PAM-4 with MLSE Based on 2nd Order Volterra Filter and 2.88-Tb/s O-band Transmission Using 4-λ LAN-WDM and 4-Core Fiber SDM. , 2018, , .		8
13	O-Band 10-km Transmission of 93-Gbaud PAM4 Signal Using Spectral Shaping Technique Based on Nonlinear Differential Coding with 1-Tap Precoding. , 2020, , .		6
14	O-Band 10-km PAM Transmission Using Nonlinear-Spectrum-Shaping Encoder and Transition-Likelihood-Based Decoder with Symbol- and Likelihood-Domain Feedbacks. , 2021, , .		4
15	225-Gbps/λ PAM-8 Transmission over 2-km using 4-λ LAN-WDM TOSA with MLSE Based on Nonlinear Channel Estimation. , 2020, , .		4
16	System Performance Enhancement Using Asymmetric Multi-Dimensional PAM for Short-Reach Optical Transmission. , 2018, , .		3
17	Enhancement of System Tolerance to Channel-Dependent Impairment Using Asymmetric Three-Dimensional Modulation for Short-Reach Optical Transmission. , 2018, , .		2
18	High-Speed Short-Reach O-Band Transmission Using Advanced DSP Techniques. , 2020, , .		2