Jian Zhao

List of Publications by Year
in descending order

22 papers	610 citations	1478505 6 h-index	996975 15 g-index
22 all docs	22 docs citations	22 times ranked	634 citing authors

#	Article	IF	Citations
1	Approaching the Non-Linear Shannon Limit. Journal of Lightwave Technology, 2010, 28, 423-433.	4.6	465
2	Advanced DSP for Coherent Optical Fiber Communication. Applied Sciences (Switzerland), 2019, 9, 4192.	2.5	36
3	Intrinsic loss of few-mode fibers. Optics Express, 2018, 26, 2107.	3.4	31
4	Demonstration of 6 <inline-formula> <tex-math notation="LaTeX">$imes$ </tex-math> </inline-formula> 10-Gb/s MIMO-Free Polarization- and Mode-Multiplexed Transmission. IEEE Photonics Technology Letters, 2018, 30, 1372-1375.	2.5	17
5	Experimental demonstration of multi-parameter sensing based on polarized interference of polarization-maintaining few-mode fibers. Optics Express, 2020, 28, 20372.	3.4	14
6	Experimental demonstration of adaptive recursive least square frequency-domain equalization for long-distance mode-division multiplexed transmission. , 2015, , .		7
7	Low-DMGD, Large-Effective-Area and Low-Bending-Loss 12-LP-Mode Fiber for Mode-Division-Multiplexing. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	7
8	Optical Machine Learning Using Time-Lens Deep Neural NetWorks. Photonics, 2021, 8, 78.	2.0	6
9	Experimental demonstration of adaptive VFF-RLS-FDE for long-distance mode-division multiplexed transmission. Optics Express, 2018, 26, 18362.	3.4	6
10	Impact of Equalization-Enhanced Phase Noise on Digital Nonlinearity Compensation in High-Capacity Optical Communication Systems. Sensors, 2020, 20, 4149.	3.8	4
11	Amplified Spontaneous Emission and Rayleigh Scattering in Few-Mode Fiber Raman Amplifiers. IEEE Photonics Technology Letters, 2017, 29, 1159-1162.	2.5	3
12	Minimizing the Number of Spans for Terrestrial Fiber-Optic Systems Using Quasi-Single-Mode Transmission. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	3
13	Simultaneous Measurement of Temperature and Strain Based on a Polarization-Maintaining Few-Mode Fiber. , 2017, , .		3
14	Optical performance monitoring in transparent fiber-optic networks using neural networks and asynchronous amplitude histograms. Optics Communications, 2022, 517, 128305.	2.1	3
15	Few-Mode Lensed Fibers. Journal of Lightwave Technology, 2018, 36, 5794-5799.	4.6	2
16	Simultaneous Beat-Length Measurement of a Polarization-Maintaining Few-Mode Fiber. IEEE Photonics Journal, 2019, 11, 1-6.	2.0	2
17	Special Issue on Enabling Technology in Optical Fiber Communications: From Device, System to Networking. Sensors, 2021, 21, 1969.	3.8	1
18	The beat-length of polarization-maintaining few-mode-fiber measurement based on polarized interference. , 2016, , .		0

#	Article	IF	Citations
19	Accurate measurement of total mode coupling in few mode fibers (FMFs) based on a modified spatial and spectral resolved (S²) imaging system. , 2017, , .		0
20	Digital back-propagation in optical fiber communication systems considering equalization enhanced phase noise. , 2020, , .		0
21	Simultaneous monitoring of residual chromatic dispersion and OSNR of NRZ-OOK signal based on asynchronous delay-tap sampling and image processing. Optical Engineering, 2022, 61, .	1.0	0
22	Special Issue on Advanced Technique and Future Perspective for Next Generation Optical Fiber Communications. Photonics, 2022, 9, 280.	2.0	0