Lin Gan

List of Publications by Year
in descending order

29 papers	644 citations	687363 13 h-index	580821 25 g-index
29 all docs	29 docs citations	29 times ranked	1034 citing authors

#	Article	IF	Citations
1	8 Ã— 10 Gb/s Downstream PAM-4 Transmission for Cost-Effective Coherent WDM-PON Application. Journal of Lightwave Technology, 2021, 39, 2837-2846.	4.6	13
2	Geometric Shaping PAM-4 signaling for the Simplified Coherent Receiver with the transmitted signal diversity. , 2021, , .		1
3	Influence of high overload on the collimating lenses of laser ranging systems. Defence Technology, 2020, 16, 354-361.	4.2	1
4	Efficient Channel Model for Homogeneous Weakly Coupled Multicore Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-11.	2.9	7
5	Telecommunication Compatibility Evaluation for Co-existing Quantum Key Distribution in Homogenous Multicore Fiber. IEEE Access, 2020, 8, 78836-78846.	4.2	8
6	Facilitating Allâ€inorganic Halide Perovskites Fabrication in Confinedâ€Space Deposition. Small Methods, 2020, 4, 2000102.	8.6	13
7	Carrier Beating Impairment in Weakly Coupled Multicore Fiber-Based IM/DD Systems. IEEE Access, 2020, 8, 65699-65710.	4.2	4
8	Nonlinearity Tolerant High-Speed DMT Transmission With 1.5-<italic>Î¼</italic>m Single-Mode VCSEL and Multi-Core Fibers for Optical Interconnects. Journal of Lightwave Technology, 2019, 37, 380-388.	4.6	14
9	Impact Load Buffering Method Based on Stress Wave Attenuation Principle. International Journal of Applied Mechanics, 2019, 11, 1950019.	2.2	5
10	Reconfigurable Microwave Photonic Filter Based on Long Period Gratings Inscribed in Multicore Fibers. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	4
11	High-Speed PAM4-Based Optical SDM Interconnects With Directly Modulated Long-Wavelength VCSEL. Journal of Lightwave Technology, 2019, 37, 356-362.	4.6	19
12	Van der Waals Coupled Organic Molecules with Monolayer MoS₂ for Fast Response Photodetectors with Gate-Tunable Responsivity. ACS Nano, 2018, 12, 4062-4073.	14.6	183
13	IIR Microwave Photonic Filters Based on Homogeneous Multicore Fibers. Journal of Lightwave Technology, 2018, 36, 4298-4304.	4.6	6
14	Crosstalk Impacts on Homogeneous Weakly-Coupled Multicore Fiber Based IM/DD System. , 2018, , .		1
15	Enabling Simultaneous DAS and DTS Through Space-Division Multiplexing Based on Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5707-5713.	4.6	21
16	TDHQ Enabling Fine-Granularity Adaptive Loading for SSB-DMT Systems. IEEE Photonics Technology Letters, 2018, 30, 1687-1690.	2.5	4
17	Real-time 100 Gbps/Î»/core NRZ and EDB IM/DD transmission over multicore fiber for intra-datacenter communication networks. Optics Express, 2018, 26, 10519.	3.4	31
18	Few-mode multicore fiber enabled integrated Mach-Zehnder interferometers for temperature and strain discrimination. Optics Express, 2018, 26, 15332.	3.4	37

#	Article	IF	Citations
19	Investigation of channel model for weakly coupled multicore fiber. Optics Express, 2018, 26, 5182.	3.4	27
20	Short-range azimuth measurement method based on the adaptive filtering mechanism using laser and magnetism. Applied Optics, 2018, 57, 5749.	1.8	3
21	Design of highly mode group selective photonic lanterns with geometric optimization. Applied Optics, 2018, 57, 7065.	1.8	10
22	End-View Image Processing Based Angle Alignment Techniques for Specialty Optical Fibers. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	13
23	Towards large dynamic range and ultrahigh measurement resolution in distributed fiber sensing based on multicore fiber. Optics Express, 2017, 25, 20183.	3.4	36
24	Spatial-division multiplexed Brillouin distributed sensing based on a heterogeneous multicore fiber. Optics Letters, 2017, 42, 171.	3.3	29
25	Heterogeneous all-solid multicore fiber based multipath Michelson interferometer for high temperature sensing. Optics Express, 2016, 24, 20210.	3.4	55
26	Experimental Demonstration of Bidirectional OFDM/OQAM-MIMO Signal Over a Multicore Fiber System. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	19
27	Employing multicore fiber in short reach optical networks. , 2016, , .		1
28	Spatial-Division Multiplexed Machâ€“Zehnder Interferometers in Heterogeneous Multicore Fiber for Multiparameter Measurement. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	44
29	Multicore-Fiber-Enabled WSDM Optical Access Network With Centralized Carrier Delivery and RSOA-Based Adaptive Modulation. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	35