Dawei Ge

List of Publications by Year
in descending order

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		759233	794594
61	482	12	19
papers	citations	h-index	g-index

61	61	61	362
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prototype of DSP-Free IM/DD MDM Transceiver for Datacenter Interconnection. Journal of Lightwave Technology, 2022, 40, 1283-1295.	4.6	4
2	Optical Performance Monitoring for Intra-LP-Mode Dispersion in Weakly-Coupled Mode-Division Multiplexed Systems. IEEE Photonics Journal, 2022, 14, 1-6.	2.0	1
3	Long-haul intermodal-MIMO-free MDM transmission based on a weakly coupled multiple-ring-core few-mode fiber. Optics Express, 2022, 30, 5868.	3.4	25
4	SNR Re-Verification-Based Routing, Band, Modulation, and Spectrum Assignment in Hybrid C-C+L Optical Networks. Journal of Lightwave Technology, 2022, 40, 3456-3469.	4.6	19
5	Multiple-Ring-Core FM-EDF for Weakly-Coupled MDM Amplification With Low Differential Modal Gain. IEEE Photonics Journal, 2021, 13, 1-11.	2.0	8
6	Few-Mode Gain-Flattening Filter Using LPFG in Weakly-Coupled Double-Cladding FMF. Journal of Lightwave Technology, 2021, 39, 4439-4446.	4.6	13
7	Analysis and Measurement of Intra-LP-Mode Dispersion for Weakly-Coupled FMF. Journal of Lightwave Technology, 2021, 39, 7238-7245.	4.6	6
8	16-Tb/s Real-time Demonstration of 100-km MDM Transmission Using Commercial 200G OTN System. , 2021, , .		2
9	Field Trial of Semi-active WDM System Based on Multi-carrier Pilot-tone for 5G C-RAN Front-haul Network. , 2021, , .		2
10	Self-tuning Bidirectional 50GBASE-ER Optical Transceiver based on Temperature Control and Silica-based Comb Filter. , 2021, , .		0
11	Prototype of DSP-Free IM/DD MDM Transceiver Based on Multiple-Ring-Core FMF for Datacenter Interconnection. , 2021, , .		1
12	Real-time Demonstration of 12-Î»Ã—800-Gb/s Single-carrier 90.5-GBd DP-64QAM-PCS Coherent Transmission over 1122-km Ultra-low-loss G.654.E Fiber. , 2021, , .		9
13	Optical Performance Monitoring for Intra-LP-mode Dispersions of Non-circularly-symmetric LP Modes in Weakly-coupled FMFs. , 2021, , .		0
14	Weakly-Coupled MDM-WDM Amplification and Transmission Based on Compact FM-EDFA. Journal of Lightwave Technology, 2020, 38, 5163-5169.	4.6	24
15	Wide-Coverage Beam-Steered 40-Gbit/s Non-Line-of-Sight Optical Wireless Connectivity for Industry 4.0. Journal of Lightwave Technology, 2020, 38, 6801-6806.	4.6	12
16	Long-distance transmission of quantum key distribution coexisting with classical optical communication over a weakly-coupled few-mode fiber. Optics Express, 2020, 28, 12558.	3.4	22
17	Intra-LP-mode Dispersion Measurement for Weakly-coupled FMF Based on Sagnac Interferometer. , 2020, , .		0
18	Theoretical Analysis and Experimental Measurement of Intra-LP-mode DMD in Weakly-coupled FMF. , 2020, , .		0

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19	A 6-LP-mode ultralow-modal-crosstalk double-ring-core FMF for weakly-coupled MDM transmission. Optics Communications, 2019, 451, 97-103.	2.1	65
20	Layered OXC With Intermode Switching Bridge for Optical SDM-WDM Networks. Journal of Lightwave Technology, 2019, 37, 3918-3924.	4.6	7
21	A Degenerate-Mode-Selective Coupler for Stable DSP-free MDM Transmission. Journal of Lightwave Technology, 2019, 37, 4410-4420.	4.6	29
22	A High-selectivity Photonic Lantern Demultiplexer for Weakly-coupled Mode Group Demultiplexing over MMF. , 2019, , .		1
23	Weakly-coupled mode division multiplexing over conventional multi-mode fiber with intensity modulation and direct detection. Frontiers of Optoelectronics, 2019, 12, 31-40.	3.7	13
24	Weakly-coupled 7-core-2-LP-mode transmission using commercial SFP + transceivers enabled by all-fiber spatial multiplexer and demultiplexer. Optics Express, 2019, 27, 16271.	3.4	11
25	Hollow-core conjoined-tube fiber for penalty-free data transmission under offset launch conditions. Optics Letters, 2019, 44, 2145.	3.3	18
26	Demonstration of Distributed Stress Sensor Based on Mode Coupling in Weakly-Coupled FMF. , 2019, , .		1
27	Ultralow Loss Hollow-Core Conjoined-Tube Negative-Curvature Fiber for Data Transmission. , 2019, , .		1
28	Prototype system for real-time IM/DD MDM transmission based on multiple-ring-core FMF and degenerate-mode-selective reception. Optics Express, 2019, 27, 38281.	3.4	11
29	Fundamental-mode MMF transmission enabled by mode conversion. Optics Communications, 2018, 410, 112-116.	2.1	3
30	Spatial-Mode Switchable, Multi-Wavelength All-Fiber EDF Laser Based on Low Modal Crosstalk Mode MUX/DEMUX. , 2018, , .		0
31	A Coexistence Scheme for Different Kinds of PONs Based on Weakly-coupled MDM-PON. , 2018, , .		0
32	MIMO-Free <tex>$20-ext{Gb}/mathrm{s}imes 4imes 2$</tex> WDM-MDM Transmission Over 151.5-km Single-Span Ultra Low-Crosstalk FMFs. , 2018, , .		0
33	Weakly-coupled 4-mode step-index FMF and demonstration of IM/DD MDM transmission. Optics Express, 2018, 26, 8356.	3.4	16
34	Tunable Multi-Wavelength EDF Laser Based on Sagnac Interferometer with Weakly-Coupled FMF Delay Line. , 2018, , .		4
35	Demonstration of Weakly-coupled MDM-WDM Amplification and Transmission over 15-km FMF Employing IM/DD. , 2018, , .		3
36	Design of a Weakly-Coupled Ring-Core FMF and Demonstration of 6-mode 10-km IM/DD Transmission. , 2018, , .		23

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37	3Ã—4Ã—10-Gb/s MDM-WDM Transmission over 21-km OM3 MMF with OOK Modulation and Direct Detection. , 2018, , .		2
38	Flexible-rate optical packet generation/detection and label swapping for optical label switching networks. Optical Fiber Technology, 2017, 34, 80-85.	2.7	2
39	Software-Defined Elastic Optical Network Node Supporting Spectrum Defragmentation. Journal of Optical Communications and Networking, 2017, 9, A63.	4.8	12
40	Reconfigurable all-fiber mode exchange enabled by mechanically induced LPFG for short-reach MDM networks. Optics Communications, 2017, 403, 240-244.	2.1	8
41	Cost-effective MDM-WDM ROADM scheme based on wavelength reuse. , 2017, , .		0
42	Weakly-coupled mode-division-multiplexing systems and networks supporting large quantity of independent modes. , 2017, , .		3
43	4-mode MDM Transmission over MMF with Direct Detection Enabled by Cascaded Mode-selective Couplers. , 2017, , .		5
44	Reconfigurable all-fiber pre and post mode exchange for short-reach MDM networks. , 2017, , .		0
45	Demonstration of all-optical MDM/WDM switching for short-reach networks. Optics Express, 2016, 24, 21609.	3.4	23
46	Cost effective wavelength reused MDM system for bidirectional mobile fronthaul. Optics Express, 2016, 24, 22413.	3.4	5
47	Bidirectional mobile fronthaul based on wavelength reused MDM. , 2016, , .		1
48	MDM-TDM PON Utilizing Self-Coherent Detection-Based OLT and RSOA-Based ONU for High Power Budget. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	5
49	An all-fiber mode converter assisted by coiled-fiber long-period grating. Optics Communications, 2016, 360, 15-19.	2.1	10
50	Experimental Demonstration of ROADM Functionalities for Hybrid MDM-WDM Optical Networks. , 2016, , .		5
51	Demonstration of Software-reconfigurable Elastic Spectrum Manipulation Node Enabled by Optical Comb. , 2016, , .		0
52	Experimental Demonstration of Wavelength Reused MDM-PON with Rayleigh Backscattering Mitigation. , 2016, , .		0
53	Demonstration of Optical Label Swapping using Optical Comb for DWDM Optical Label Switching Networks. , 2016, , .		0
54	Spectrum-concentrated 27-fold Multicasting of Optical PDM Superchannel by 6-pump Four-wave Mixing. , 2016, , .		0

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55	Mode-division-multiplexing Passive Optical Network Based on Low-crosstalk Few-mode Fiber and Components. , 2016, , .		2
56	A Novel WDM-MDM PON Scheme Utilizing Self-homodyne Detection for High-speed/capacity Access Networks. , 2016, , .		5
57	Demonstration of Elastic Optical Network Node with Defragmentation Functionality and SDN Control. , 2016, , .		2
58	Novel MDM-PON scheme utilizing self-homodyne detection for high-speed/capacity access networks. Optics Express, 2015, 23, 32054.	3.4	27
59	Experimental demonstration of EON node supporting reconfigurable optical superchannel multicasting. Optics Express, 2015, 23, 20495.	3.4	11
60	An Elastic Optical Network Node Architecture Supporting Reconfigurable Superchannel Multicasting. , 2015, , .		0
61	Symmetric 100-Gb/s DSP-Enhanced TWDM-PON. , 2014, , .		0