

Dawei Ge

List of Publications by Year in descending order

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61
papers

482
citations

759233

12
h-index

794594

19
g-index

61
all docs

61
docs citations

61
times ranked

362
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Degenerate-Mode-Selective Coupler for Stable DSP-free MDM Transmission. Journal of Lightwave Technology, 2019, 37, 4410-4420.	4.6	29
3	Novel MDM-PON scheme utilizing self-homodyne detection for high-speed/capacity access networks. Optics Express, 2015, 23, 32054.	3.4	27
4	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
5	Weakly-Coupled MDM-WDM Amplification and Transmission Based on Compact FM-EDFA. Journal of Lightwave Technology, 2020, 38, 5163-5169.	4.6	24
6	Demonstration of all-optical MDM/WDM switching for short-reach networks. Optics Express, 2016, 24, 21609.	3.4	23
7	Design of a Weakly-Coupled Ring-Core FMF and Demonstration of 6-mode 10-km IM/DD Transmission. , 2018, , .		23
8	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
9	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
10	Hollow-core conjoined-tube fiber for penalty-free data transmission under offset launch conditions. Optics Letters, 2019, 44, 2145.	3.3	18
11	Weakly-coupled 4-mode step-index FMF and demonstration of IM/DD MDM transmission. Optics Express, 2018, 26, 8356.	3.4	16
12	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
13	Few-Mode Gain-Flattening Filter Using LPFG in Weakly-Coupled Double-Cladding FMF. Journal of Lightwave Technology, 2021, 39, 4439-4446.	4.6	13
14	Software-Defined Elastic Optical Network Node Supporting Spectrum Defragmentation. Journal of Optical Communications and Networking, 2017, 9, A63.	4.8	12
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	Experimental demonstration of EON node supporting reconfigurable optical superchannel multicasting. Optics Express, 2015, 23, 20495.	3.4	11
17	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
18	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

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19	An all-fiber mode converter assisted by coiled-fiber long-period grating. Optics Communications, 2016, 360, 15-19.	2.1	10
20	Real-time Demonstration of 12- λ —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
21	Reconfigurable all-fiber mode exchange enabled by mechanically induced LPFG for short-reach MDM networks. Optics Communications, 2017, 403, 240-244.	2.1	8
22	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
23	Layered OXC With Intermodal Switching Bridge for Optical SDM-WDM Networks. Journal of Lightwave Technology, 2019, 37, 3918-3924.	4.6	7
24	Analysis and Measurement of Intra-LP-Mode Dispersion for Weakly-Coupled FMF. Journal of Lightwave Technology, 2021, 39, 7238-7245.	4.6	6
25	Cost effective wavelength reused MDM system for bidirectional mobile fronthaul. Optics Express, 2016, 24, 22413.	3.4	5
26	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
27	Experimental Demonstration of ROADM Functionalities for Hybrid MDM-WDM Optical Networks. , 2016, , .		5
28	4-mode MDM Transmission over MMF with Direct Detection Enabled by Cascaded Mode-selective Couplers. , 2017, , .		5
29	A Novel WDM-MDM PON Scheme Utilizing Self-homodyne Detection for High-speed/capacity Access Networks. , 2016, , .		5
30	Tunable Multi-Wavelength EDF Laser Based on Sagnac Interferometer with Weakly-Coupled FMF Delay Line. , 2018, , .		4
31	Prototype of DSP-Free IM/DD MDM Transceiver for Datacenter Interconnection. Journal of Lightwave Technology, 2022, 40, 1283-1295.	4.6	4
32	Weakly-coupled mode-division-multiplexing systems and networks supporting large quantity of independent modes. , 2017, , .		3
33	Fundamental-mode MMF transmission enabled by mode conversion. Optics Communications, 2018, 410, 112-116.	2.1	3
34	Demonstration of Weakly-coupled MDM-WDM Amplification and Transmission over 15-km FMF Employing IM/DD. , 2018, , .		3
35	Flexible-rate optical packet generation/detection and label swapping for optical label switching networks. Optical Fiber Technology, 2017, 34, 80-85.	2.7	2
36	16-Tb/s Real-time Demonstration of 100-km MDM Transmission Using Commercial 200G OTN System. , 2021, , .		2

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37	Field Trial of Semi-active WDM System Based on Multi-carrier Pilot-tone for 5G C-RAN Front-haul Network. , 2021, , .		2
38	Mode-division-multiplexing Passive Optical Network Based on Low-crosstalk Few-mode Fiber and Components. , 2016, , .		2
39	Demonstration of Elastic Optical Network Node with Defragmentation Functionality and SDN Control. , 2016, , .		2
40	3Å–4Å–10-Gb/s MDM-WDM Transmission over 21-km OM3 MMF with OOK Modulation and Direct Detection. , 2018, , .		2
41	Bidirectional mobile fronthaul based on wavelength reused MDM. , 2016, , .		1
42	A High-selectivity Photonic Lantern Demultiplexer for Weakly-coupled Mode Group Demultiplexing over MMF. , 2019, , .		1
43	Demonstration of Distributed Stress Sensor Based on Mode Coupling in Weakly-Coupled FMF. , 2019, , .		1
44	Ultralow Loss Hollow-Core Conjoined-Tube Negative-Curvature Fiber for Data Transmission. , 2019, , .		1
45	Prototype of DSP-Free IM/DD MDM Transceiver Based on Multiple-Ring-Core FMF for Datacenter Interconnection. , 2021, , .		1
46	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
47	Cost-effective MDM-WDM ROADM scheme based on wavelength reuse. , 2017, , .		0
48	Spatial-Mode Switchable, Multi-Wavelength All-Fiber EDF Laser Based on Low Modal Crosstalk Mode MUX/DEMUX. , 2018, , .		0
49	A Coexistence Scheme for Different Kinds of PONs Based on Weakly-coupled MDM-PON. , 2018, , .		0
50	MIMO-Free $20\text{-ext}\{\text{Gb}\}/\text{mathrm}\{s\}\times 4\text{imes } 2\text{</tex>\text{>}$ WDM-MDM Transmission Over 151.5-km Single-Span Ultra Low-Crosstalk FMFs. , 2018, , .		0
51	Symmetric 100-Gb/s DSP-Enhanced TWDM-PON. , 2014, , .		0
52	An Elastic Optical Network Node Architecture Supporting Reconfigurable Superchannel Multicasting. , 2015, , .		0
53	Demonstration of Software-reconfigurable Elastic Spectrum Manipulation Node Enabled by Optical Comb. , 2016, , .		0
54	Experimental Demonstration of Wavelength Reused MDM-PON with Rayleigh Backscattering Mitigation. , 2016, , .		0

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55	Demonstration of Optical Label Swapping using Optical Comb for DWDM Optical Label Switching Networks. , 2016, , .		0
56	Spectrum-concentrated 27-fold Multicasting of Optical PDM Superchannel by 6-pump Four-wave Mixing. , 2016, , .		0
57	Reconfigurable all-fiber pre and post mode exchange for short-reach MDM networks. , 2017, , .		0
58	Intra-LP-mode Dispersion Measurement for Weakly-coupled FMF Based on Sagnac Interferometer. , 2020, , .		0
59	Theoretical Analysis and Experimental Measurement of Intra-LP-mode DMD in Weakly-coupled FMF. , 2020, , .		0
60	Self-tuning Bidirectional 50GBASE-ER Optical Transceiver based on Temperature Control and Silica-based Comb Filter. , 2021, , .		0
61	Optical Performance Monitoring for Intra-LP-mode Dispersions of Non-circularly-symmetric LP Modes in Weakly-coupled FMFs. , 2021, , .		0