

Ming Tang

List of Publications by Year in descending order

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452
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#	ARTICLE	IF	CITATIONS
1	Experimental Demonstration of Simultaneously Precise Tx and Rx Skew Calibration for Coherent Optical Transceiver. <i>Journal of Lightwave Technology</i> , 2022, 40, 1043-1054.	2.7	8
2	Accurate OSNR monitoring based on data-augmentation-assisted DNN with a small-scale dataset. <i>Optics Letters</i> , 2022, 47, 130.	1.7	6
3	Edge Detection-Assisted Brillouin Optical Time-Domain Analyzer for Ultrafast Sensing of Abnormal Temperature Event. <i>IEEE Sensors Journal</i> , 2022, 22, 3211-3218.	2.4	1
4	Capacity expansion of chaotic secure transmission system based on coherent optical detection and space division multiplexing over multi-core fiber. <i>Optics Letters</i> , 2022, 47, 726.	1.7	9
5	24 km High-Performance Raman Distributed Temperature Sensing Using Low Water Peak Fiber and Optimized Denoising Neural Network. <i>Sensors</i> , 2022, 22, 2139.	2.1	13
6	Modeling and mitigation of polarization crosstalk-induced nonlinearity for the polarization-multiplexed carrier self-homodyne system. <i>Optics Letters</i> , 2022, 47, 1423.	1.7	5
7	Nonlinear Fourier transform assisted high-order soliton characterization. <i>New Journal of Physics</i> , 2022, 24, 033039.	1.2	4
8	Pulse shrinkage of dissipative-soliton-resonance pulses with or without period doubling. <i>Optics Communications</i> , 2022, 512, 128071.	1.0	2
9	Maximum probability directed blind phase search for PS-QAM with variable shaping factors. <i>Optics Express</i> , 2022, 30, 550.	1.7	10
10	Fast and simple calibration of frequency response and IQ skew for a coherent optical transmitter using a low-bandwidth photodetector. <i>Optics Letters</i> , 2022, 47, 118.	1.7	3
11	C-band 200 Gbit/s \sqrt{B} PAM-4 transmission over 2-km SSMF using look-up-table pre-distortion combined with nonlinear Tomlinson-Harashima pre-coding. <i>Optics Express</i> , 2022, 30, 15416.	1.7	4
12	Performance enhanced BOTDA sensor using Differential Golay Coding and Deconvolution Algorithm. , 2022, , .		1
13	Real-time In-field Automatic Bias Control and Self-calibration Module for High-baud Coherent Driver Modulator. , 2022, , .		1
14	Real Time 6.4 Tbps (8Å–800G) SHCD Transmission through 1+8 Multicore Fiber for Co-Packaged Optical-IO Switch Applications. , 2022, , .		4
15	Reconfigurable Microwave Photonic Filter Based on Space-Division Multiplexing Powered by Artificial Neural Networks. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022, 28, 1-7.	1.9	1
16	Simple and ultrafast automatic bias control for optical IQ modulators enabled by dither vector mapping monitoring. , 2022, , .		3
17	Genetic algorithm assisted bridge fiber design and fabrication for few-mode multi-core fiber Fan-in/Fan-out device. <i>Optics Express</i> , 2022, 30, 19042.	1.7	12
18	Advances in Multicore Fiber Grating Sensors. <i>Photonics</i> , 2022, 9, 381.	0.9	18

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19	Integration in the C-band between quantum key distribution and the classical channel of 25 dBm launch power over multicore fiber media. <i>Optics Letters</i> , 2022, 47, 3111.	1.7	7
20	Simultaneously precise frequency response and IQ skew calibration in a self-homodyne coherent optical transmission system. <i>Optics Express</i> , 2022, 30, 20894.	1.7	4
21	Cyclic silicon waveguide four-mode converter for mode division multiplexing transmission. <i>Optics Express</i> , 2022, 30, 22986.	1.7	3
22	Long-Range and High Spatial Resolution Brillouin Time Domain Sensor Using Oversampling Coding and Deconvolution Algorithm. <i>IEEE Sensors Journal</i> , 2022, 22, 14883-14891.	2.4	2
23	Optical Multipath Interference Mitigation for High-Speed PAM4 IMDD Transmission System. <i>Journal of Lightwave Technology</i> , 2022, 40, 5490-5501.	2.7	11
24	Fabrication and Characterization of Femtosecond Laser Inscribed Long-Period Fiber Grating in Few-Mode Fiber. <i>IEEE Photonics Journal</i> , 2022, 14, 1-6.	1.0	4
25	High spatial resolution fast Brillouin optical time-domain analysis enabled by frequency-agility digital optical frequency comb. <i>Optics Letters</i> , 2022, 47, 3403.	1.7	6
26	High-Performance Raman Distributed Temperature Sensing Powered by Deep Learning. <i>Journal of Lightwave Technology</i> , 2021, 39, 654-659.	2.7	29
27	Elliptical-Core Highly Nonlinear Few-Mode Fiber Based OXC for WDM-MDM Networks. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-11.	1.9	6
28	Enhanced BOTDA Sensors Based on Brillouin Phase Recovery Using Kramers-Kronig Relation. <i>IEEE Sensors Journal</i> , 2021, 21, 22775-22782.	2.4	2
29	Real-Time Demonstration of Homodyne Coherent Bidirectional Transmission for Next-Generation Data Center Interconnects. <i>Journal of Lightwave Technology</i> , 2021, 39, 1231-1238.	2.7	62
30	45° aligned dual-polarizer for the suppression of signal fading in polarization OTDR. <i>Applied Optics</i> , 2021, 60, 1603.	0.9	1
31	Performance-Enhanced DMT System With Joint Precoding and Probabilistic Constellation Shaping. <i>IEEE Photonics Journal</i> , 2021, 13, 1-12.	1.0	1
32	Optimized Volterra filter equalizer based on weighted principal component analysis for IM-DD transmission. <i>Optics Letters</i> , 2021, 46, 1680.	1.7	3
33	PMD estimation and its enabled feedforward adaptive equalization based on superimposed FrFT training sequences. <i>Optics Letters</i> , 2021, 46, 1526.	1.7	4
34	Period doubling and merging of multiple dissipative-soliton-resonance pulses in a fiber laser. <i>Applied Optics</i> , 2021, 60, 3322.	0.9	5
35	Improving the Spatial Resolution of a BOTDA Sensor Using Deconvolution Algorithm. <i>Journal of Lightwave Technology</i> , 2021, 39, 2215-2222.	2.7	14
36	8 Å— 10 Gb/s Downstream PAM-4 Transmission for Cost-Effective Coherent WDM-PON Application. <i>Journal of Lightwave Technology</i> , 2021, 39, 2837-2846.	2.7	13

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37	Interference fading suppression in μ -OTDR using space-division multiplexed probes. Optics Express, 2021, 29, 15452.	1.7	34
38	Biased Balance Detection for Fiber Optical Frequency Comb Based Linear Optical Sampling. Journal of Lightwave Technology, 2021, 39, 3458-3465.	2.7	12
39	All-optical polarization split of the signal and LO for a bi-directional self-homodyne coherent system. Optics Letters, 2021, 46, 2819.	1.7	10
40	Simple and precise characterization of differential modal group delay arising in few-mode fiber. Optics Letters, 2021, 46, 2856.	1.7	3
41	Geometric shaping optimization of 64-APSK constellation in discrete nonlinear frequency division multiplexing systems. Optics Letters, 2021, 46, 3368.	1.7	11
42	In-service crosstalk monitoring in multicore fibers based on precoded DMT system. Optics Letters, 2021, 46, 2924.	1.7	1
43	Enabling long range distributed vibration sensing using multicore fiber interferometers. Optics Letters, 2021, 46, 3685.	1.7	11
44	Nonlinear Fourier transform enabled eigenvalue spectrum investigation for fiber laser radiation. Photonics Research, 2021, 9, 1531.	3.4	60
45	Asymmetric dual-SSB modulation for photonic co-frequency mm-wave signals generation and DSP-free receiver. Optics Letters, 2021, 46, 4366.	1.7	4
46	Single-ended self-calibration high-accuracy Raman distributed temperature sensing based on multi-core fiber. Optics Express, 2021, 29, 34762.	1.7	6
47	Blind Identification of the Shaping Rate for Probabilistic Shaping QAM Signal. IEEE Photonics Technology Letters, 2021, 33, 998-1001.	1.3	3
48	Phase Retrieval of Complex OFDM Signal by Solving Temporal Transport-of-Intensity Equation. IEEE Photonics Technology Letters, 2021, 33, 1006-1009.	1.3	1
49	Experimental investigation of environmental interference mitigation and blocked LEDs using a memory-artificial neural network in 3D indoor visible light positioning systems. Optics Express, 2021, 29, 33937.	1.7	7
50	Dual-Band Accelerating Beams Enabled Full Duplex Free-Space Optical Interconnection. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-7.	1.9	11
51	Dynamic Crosstalk Monitoring of Real-time Transmission in Multi-core Fibers Based on Deep Learning. , 2021, , .		2
52	Hardware-efficient Nonlinear Equalizer based on Joint Unsupervised Learning and Supervised Weights. , 2021, , .		1
53	Locating Abnormal Event with Ultrafast Speed by Using Edge Detection Method in BOTDA Sensing System. , 2021, , .		0
54	Joint CD and DGD estimation enabled by FrFT based time-frequency reconstruction. , 2021, , .		3

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55	Crosstalk Monitoring and Outage Prediction in Multi-core Fibers Based on Multi-task Deep neural network. , 2021, , .		1
56	Digital in-service relative time delay estimation for SDM self-homodyne coherent systems. Optics Express, 2021, 29, 39079.	1.7	7
57	Enhanced Raman Distributed Temperature Sensor Using a High Raman Gain Fiber. IEEE Sensors Journal, 2021, 21, 27518-27525.	2.4	5
58	Simultaneously Precise Calibration of Frequency Response and IQ Skew for 100Gbaud Optical Transceiver. , 2021, , .		4
59	Distributed fiber sensing using SDM fibers. , 2021, , .		1
60	Squeezing Out the Last Shaping Gain with Optimum Enumerative Sphere Shaping for Short Block Lengths. , 2021, , .		2
61	Spatial resolution improved OFDM-BOTDA utilizing frequency-division-multiplexed Brillouin phase/gain spectrum. Science China Information Sciences, 2021, 64, 1.	2.7	0
62	Self-homodyne Transmission of Eigenvalue Communication System Using Polarization-multiplexed Pilot-carrier and Injection Locking. , 2021, , .		0
63	A Scanner Matching Method based on Interior-point BFGS Algorithm. , 2021, , .		0
64	Efficient Channel Model for Homogeneous Weakly Coupled Multicore Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-11.	1.9	7
65	All-Fiber Flexible Generation of the Generalized Cylindrical Vector Beam (CVB) Over the C-Band. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-7.	1.9	4
66	Monolithic multicore fiber based multi-parameter measurement based on spatial-division-multiplex sensing mechanisms. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107128.	2.5	2
67	High-Speed Performance Evaluation of Graded-Index Multicore Fiber Compatible With Multimode and Quasi-single Mode Operation. Journal of Lightwave Technology, 2020, 38, 6870-6878.	2.7	4
68	Overfitting effect of artificial neural network based nonlinear equalizer: from mathematical origin to transmission evolution. Science China Information Sciences, 2020, 63, 1.	2.7	18
69	Enhancing the Physical Layer Security of OFDM-PONs With Hardware Fingerprint Authentication: A Machine Learning Approach. Journal of Lightwave Technology, 2020, 38, 3238-3245.	2.7	33
70	Adaptive Blind Stokes-Space Based Equalizer for RSOP in SV-DD Systems With High Chromatic Dispersion Tolerance. IEEE Photonics Journal, 2020, 12, 1-13.	1.0	1
71	Multi-parameter monitoring for steel pipe structures using monolithic multicore fibre based on spatial-division-multiplex sensing. Measurement: Journal of the International Measurement Confederation, 2020, 164, 108121.	2.5	11
72	Breach and recurrence of dissipative soliton resonance during period-doubling evolution in a fiber laser. Physical Review A, 2020, 102, .	1.0	8

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73	180 Gb/s PAM8 Signal Transmission in Bandwidth-Limited IMDD System Enabled by Tap Coefficient Decision Directed Volterra Equalizer. IEEE Access, 2020, 8, 19890-19899.	2.6	7
74	Telecommunication Compatibility Evaluation for Co-existing Quantum Key Distribution in Homogenous Multicore Fiber. IEEE Access, 2020, 8, 78836-78846.	2.6	8
75	Carrier Beating Impairment in Weakly Coupled Multicore Fiber-Based IM/DD Systems. IEEE Access, 2020, 8, 65699-65710.	2.6	4
76	Parallel Fabry-Perot interferometers fabricated on multicore-fiber for temperature and strain discriminative sensing. Optics Express, 2020, 28, 3190.	1.7	19
77	Laser linewidth tolerance for nonlinear frequency division multiplexing transmission with discrete spectrum modulation. Optics Express, 2020, 28, 9642.	1.7	15
78	Transfer learning simplified multi-task deep neural network for PDM-64QAM optical performance monitoring. Optics Express, 2020, 28, 7607.	1.7	31
79	Fading-free polarization-sensitive optical fiber sensing. Optics Express, 2020, 28, 37334.	1.7	5
80	Distributed curvature sensing based on a bending loss-resistant ring-core fiber. Photonics Research, 2020, 8, 165.	3.4	23
81	Distributed Brillouin frequency shift extraction via a convolutional neural network. Photonics Research, 2020, 8, 690.	3.4	46
82	Distributed multicore fiber sensors. Opto-Electronic Advances, 2020, 3, 19002401-19002417.	6.4	47
83	A Reconfigurable Microwave Photonic Filter Based on Multicore Fibers Incorporating a TOAD Switch. , 2020, , .		1
84	Complex Signal Reconstruction in Direct-Detection OFDM by Solving Temporal Transport-of-Intensity Equation. , 2020, , .		1
85	Sparse representation of Brillouin spectrum using dictionary learning. Optics Express, 2020, 28, 18160.	1.7	4
86	Femtosecond laser fabricated all-multicore-fiber parallel Fabry-Perot interferometers for dual-parameter sensing. , 2020, , .		3
87	Joint Time Synchronization and PMD Estimation Based on Superimposed FrFT Training Sequences. , 2020, , .		0
88	Precoded DMT System Enhanced with Geometric Shaping. , 2020, , .		0
89	Active Mode-Selective Conversion Enabled by an Elliptical- Core Highly Nonlinear Few-Mode Fiber. , 2020, , .		0
90	FrFT based blind chromatic dispersion estimation mitigating large DGD induced uncertainty. , 2020, , .		1

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91	Low-complexity equalization scheme for suppressing FFE-enhanced in-band noise and ISI in 100 Gbps PAM4 optical IMDD system. Optics Letters, 2020, 45, 2555.	1.7	15
92	Nonlinearity Tolerant High-Speed DMT Transmission With 1.5-Tb/s Single-Mode VCSEL and Multi-Core Fibers for Optical Interconnects. Journal of Lightwave Technology, 2019, 37, 380-388.	2.7	14
93	Efficient Timing/Frequency Synchronization Based on Sparse Fast Fourier Transform. Journal of Lightwave Technology, 2019, 37, 5299-5308.	2.7	5
94	Hardware Efficient Adaptive Equalizer for Coherent Short-Reach Optical Interconnects. IEEE Photonics Technology Letters, 2019, 31, 1249-1252.	1.3	12
95	PANDA Type Four-Core Fiber With the Efficient Use of Stress Rods. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	6
96	Multicore Fibers. , 2019, , 1-72.		1
97	Multimode fiber spectrometer with scalable bandwidth using space-division multiplexing. AIP Advances, 2019, 9, .	0.6	20
98	Toward Terabit Digital Radio over Fiber Systems: Architecture and Key Technologies. IEEE Communications Magazine, 2019, 57, 131-137.	4.9	32
99	Long Short-Term Memory Neural Network (LSTM-NN) Enabled Accurate Optical Signal-to-Noise Ratio (OSNR) Monitoring. Journal of Lightwave Technology, 2019, 37, 4140-4146.	2.7	29
100	Reconfigurable Microwave Photonic Filter Based on Long Period Gratings Inscribed in Multicore Fibers. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	4
101	Panda type elliptical core few-mode fiber. APL Photonics, 2019, 4, 022901.	3.0	19
102	Sparse-fast-Fourier-Transform Assisted Timing/Frequency Synchronization for Optical Coherent Receivers. , 2019, , .		0
103	Adaptive Uniform Entropy Loading for SSB-DMT Systems. Journal of Lightwave Technology, 2019, 37, 5961-5970.	2.7	6
104	An Image Encryption Scheme Based on Hybrid Electro-Optic Chaotic Sources and Compressive Sensing. IEEE Access, 2019, 7, 156582-156591.	2.6	20
105	Reconfigurable Inter-Core Signal Switching Within Multicore Fibers Based on Long-Period Gratings. Journal of Lightwave Technology, 2019, 37, 6025-6032.	2.7	3
106	Peak-power-clamping in an all-polarization-maintaining Q-switched mode-locking fiber laser. Optics Express, 2019, 27, 37614.	1.7	3
107	Real-Time Denoising of Brillouin Optical Time Domain Analyzer With High Data Fidelity Using Convolutional Neural Networks. Journal of Lightwave Technology, 2019, 37, 2648-2653.	2.7	43
108	High-Speed PAM4-Based Optical SDM Interconnects With Directly Modulated Long-Wavelength VCSEL. Journal of Lightwave Technology, 2019, 37, 356-362.	2.7	19

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109	Multicore Fibers. , 2019, , 895-966.		3
110	DUAL-PANDA TYPE FOUR-CORE FIBER. , 2019, , .		2
111	Harnessing oversampling in correlation-coded OTDR. Optics Express, 2019, 27, 1693.	1.7	12
112	Joint OSNR and CD monitoring in digital coherent receiver using long short-term memory neural network. Optics Express, 2019, 27, 6936.	1.7	29
113	Modulation format identification assisted by sparse-fast-Fourier-transform for hitless flexible coherent transceivers. Optics Express, 2019, 27, 7072.	1.7	17
114	Femtosecond laser enabled selective micro-holes drilling on the multicore-fiber facet for displacement sensor application. Optics Express, 2019, 27, 10777.	1.7	14
115	Amplifier-free 4Å–96 Gb/s PAM8 transmission enabled by modified Volterra equalizer for short-reach applications using directly modulated lasers. Optics Express, 2019, 27, 17927.	1.7	17
116	Multi-task deep neural network (MT-DNN) enabled optical performance monitoring from directly detected PDM-QAM signals. Optics Express, 2019, 27, 19062.	1.7	47
117	Hybrid constellation entropy loading for adaptively partitioned SSB-DMT systems. Optics Express, 2019, 27, 26295.	1.7	4
118	Long-period fiber gratings inscribed in few-mode fibers for discriminative determination. Optics Express, 2019, 27, 26307.	1.7	13
119	Kernel mapping for mitigating nonlinear impairments in optical short-reach communications. Optics Express, 2019, 27, 29567.	1.7	6
120	Single-step digital backpropagation for subcarrier-multiplexing transmissions. Optics Express, 2019, 27, 36680.	1.7	8
121	Optimized self-interference cancellation based on optical dual-parallel MZM for co-frequency and co-time full duplex wireless communication under nonlinear distortion and emulated multipath effect. Optics Express, 2019, 27, 37286.	1.7	20
122	A Low-Complexity Adaptive Equalizer for Digital Coherent Short-Reach Optical Transmission Systems. , 2019, , .		14
123	Deep Learning Enabled Simultaneous OSNR and CD Monitoring for Coherent Transmission System. , 2019, , .		4
124	Demonstration of high precision 3D indoor positioning system based on two-layer ANN machine learning technique. , 2019, , .		18
125	Comparison of Coherent and IMDD Transceivers for Intra Datacenter Optical Interconnects. , 2019, , .		52
126	Semiconductor-laser-based hybrid chaos source and its application in secure key distribution. Optics Letters, 2019, 44, 2605.	1.7	33

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127	Femtosecond laser micro-machining enabled all-fiber mode selective converter. Optics Letters, 2019, 44, 5941.	1.7	7
128	Design, fabrication, and characterization of a highly nonlinear few-mode fiber. Photonics Research, 2019, 7, 1354.	3.4	14
129	A Novel Self-Interfere Cancellation Technique Based on Operating-point-optimized Optical IQ Modulator for Co-frequency Co-time Full Duplex Wireless Communication. , 2019, , .		2
130	Experimental Demonstration of a Sparse-FFT Based Quick Synchronization Method for FBMC/OQAM Systems. , 2019, , .		0
131	Simplified Bit-Level Shaping with High Spectral Efficiency and High Throughput. , 2019, , .		0
132	Femtosecond pulses generated from a compact all-polarization-maintaining (PM) Ytterbium-doped fiber laser. , 2019, , .		0
133	Optimally Partitioned Precoding Assisted Hybrid Constellation Entropy Loading for SSB-DMT Systems. , 2019, , .		2
134	Ultra-Low Crosstalk Fused Taper Type Fan-in/Fan-out Devices for Multicore Fibers. , 2019, , .		12
135	High-quality mode conversion from LP11 to LP01 by utilizing offset launch. , 2019, , .		0
136	Discriminative Determination Based on Long-Period Gratings Inscribed in Few-Mode Fibers. , 2019, , .		0
137	Scalable Bandwidth All-fiber Spectrometer using Spatial Multiplexing. , 2019, , .		0
138	Robust digital-controllable broadband analog optical chaos generation. , 2019, , .		0
139	Maximizing the security of digital chaos based OFDM-PON with a dynamical nonlinear transformation. , 2019, , .		1
140	Honeycomb pure-silica-core fiber array with air-hole cladding for image transmission. OSA Continuum, 2019, 2, 2470.	1.8	1
141	Design of elliptical-core five-mode group selective photonic lantern over the C-band. Optics Express, 2019, 27, 27979.	1.7	11
142	Microwave photonic RF front-end for co-frequency co-time full duplex 5G communication with integrated RF signal self-interference cancellation, optoelectronic oscillator and frequency down-conversion. Optics Express, 2019, 27, 32147.	1.7	11
143	Improved estimate and accurate measurement of thermal stresses in FRP tendon. Construction and Building Materials, 2018, 164, 620-624.	3.2	6
144	ILR Microwave Photonic Filters Based on Homogeneous Multicore Fibers. Journal of Lightwave Technology, 2018, 36, 4298-4304.	2.7	6

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145	Secure Key Distribution Strategy in OFDM-PON by Utilizing the Redundancy of Training Symbol and Digital Chaos Technique. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	17
146	Secure Optical Communication System Based on ASE Noise with No Need for Key Distribution. , 2018, , .		1
147	Crosstalk Impacts on Homogeneous Weakly-Coupled Multicore Fiber Based IM/DD System. , 2018, , .		1
148	Optimization of the Channel Estimation Training Sequence for Precoded DDO-OFDM System. , 2018, , .		0
149	Network Performance Analysis of Spatial Division Multiplexing enabled Packet Switching Networks. , 2018, , .		0
150	Integrating Quantum Key Distribution with the Spatial Division Multiplexing Enabled High Capacity Optical Networks. , 2018, , .		1
151	Multicore Fiber Mach-Zehnder Interferometers by Programmable Offset Splicing Technique. , 2018, , .		0
152	OSNR Monitoring Based on Link Analysis for EDFA-Only DWDM Transmission Systems. , 2018, , .		0
153	Power Consumption Evaluation of ASIC for Short-Reach Optical Interconnects. , 2018, , .		5
154	All-optical Phase Shifter and Switch Based on Microfiber Coated with Colloidal Quantum Dots. , 2018, , .		0
155	Time-frequency Signal Processing Based on Fractional Fourier Transform for Coherent Optical Communications. , 2018, , .		2
156	Panda Type Few-Mode Fiber Capable of Both Mode Profile and Polarization Maintenance. Journal of Lightwave Technology, 2018, 36, 5780-5785.	2.7	17
157	Distributed Measurement of Polarization Mode Coupling in Polarization Maintaining Fibers Using Microwave Photonic Filter Technique. Journal of Lightwave Technology, 2018, 36, 4543-4548.	2.7	5
158	Joint Time/Frequency Synchronization and Chromatic Dispersion Estimation With Low Complexity Based on a Superimposed FrFT Training Sequence. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	20
159	Enabling Simultaneous DAS and DTS Through Space-Division Multiplexing Based on Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5707-5713.	2.7	21
160	Digital Domain Power Division Multiplexed Dual Polarization Coherent Optical OFDM Transmission. Scientific Reports, 2018, 8, 15827.	1.6	16
161	Inter-Core Crosstalk in Multicore Fibers: Impact on $\frac{56\text{-ext}\{\text{Gbaud}\}}{\lambda}$ /Core PAM-4 Transmission. , 2018, , .		3
162	Stable and Compact Dual-Loop Optoelectronic Oscillator Using Self-Polarization-Stabilization Technique and Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5196-5202.	2.7	8

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163	A Joint OSNR and Nonlinear Distortions Estimation Method for Optical Fiber Transmission System. IEEE Photonics Journal, 2018, 10, 1-11.	1.0	7
164	SNR-Enhanced Fast BOTDA Combining Channel Estimation Technique With Complementary Pulse Coding. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	5
165	Distributed Vibration Sensor Based on Space-Division Multiplexed Reflectometer and Interferometer in Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5764-5772.	2.7	30
166	Bidirectional long-reach PON using Kramers-Kronig-based receiver for Rayleigh Backscattering noise and SSBI interference elimination. Optics Express, 2018, 26, 19020.	1.7	9
167	Synchronized Random Bit Sequences Generation Based on Analog-Digital Hybrid Electro-Optic Chaotic Sources. Journal of Lightwave Technology, 2018, 36, 4995-5002.	2.7	16
168	Carrier Phase Recovery for Set-Partitioning QAM Formats. Journal of Lightwave Technology, 2018, 36, 4129-4137.	2.7	8
169	TDHQ Enabling Fine-Granularity Adaptive Loading for SSB-DMT Systems. IEEE Photonics Technology Letters, 2018, 30, 1687-1690.	1.3	4
170	Uniform Entropy Loading for Precoded DMT Systems in Fading Optical Channel. , 2018, , .		1
171	Spatial division multiplexing for optical data center networks. , 2018, , .		2
172	Achievable information rate enhancement of visible light communication using probabilistically shaped OFDM modulation. Optics Express, 2018, 26, 367.	1.7	34
173	Directional torsion and temperature discrimination based on a multicore fiber with a helical structure. Optics Express, 2018, 26, 544.	1.7	76
174	Light-controllable fiber interferometer utilizing photoexcitation dynamics in colloidal quantum dot. Optics Express, 2018, 26, 3903.	1.7	4
175	Real-time 100 Gbps/core NRZ and EDB IM/DD transmission over multicore fiber for intra-datacenter communication networks. Optics Express, 2018, 26, 10519.	1.7	31
176	Few-mode multicore fiber enabled integrated Mach-Zehnder interferometers for temperature and strain discrimination. Optics Express, 2018, 26, 15332.	1.7	37
177	Investigation of channel model for weakly coupled multicore fiber. Optics Express, 2018, 26, 5182.	1.7	27
178	Modulation format identification enabled by the digital frequency-offset loading technique for hitless coherent transceiver. Optics Express, 2018, 26, 7288.	1.7	36
179	Sparse-fast-Fourier-transform-based quick synchronization for optical direct detection orthogonal frequency division multiplexing systems. Optics Letters, 2018, 43, 2014.	1.7	3
180	Wavelength division multiplexing secure communication scheme based on an optically coupled phase chaos system and PM-to-IM conversion mechanism. Nonlinear Dynamics, 2018, 94, 1949-1959.	2.7	30

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181	Spatial Division Multiplexing-Based Reflective Intensity-Modulated Fiber Optics Displacement Sensor. IEEE Photonics Journal, 2018, 10, 1-7.	1.0	4
182	Fiber optics frequency comb enabled linear optical sampling with operation wavelength range extension. Optics Letters, 2018, 43, 439.	1.7	14
183	Arbitrary Bias Point Control Technique for Optical IQ Modulator Based on Dither-Correlation Detection. Journal of Lightwave Technology, 2018, 36, 3824-3836.	2.7	32
184	An Electrooptic Chaotic System Based on a Hybrid Feedback Loop. Journal of Lightwave Technology, 2018, 36, 4259-4266.	2.7	33
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