

# Ming Tang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1758262/publications.pdf>

Version: 2024-02-01

452  
papers

5,401  
citations

117625

34  
h-index

182427

51  
g-index

453  
all docs

453  
docs citations

453  
times ranked

3378  
citing authors

#	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.	4.6	8
2	Accurate OSNR monitoring based on data-augmentation-assisted DNN with a small-scale dataset. <i>Optics Letters</i> , 2022, 47, 130.	3.3	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.	4.7	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.	3.3	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.	3.8	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.	3.3	5
7	Nonlinear Fourier transform assisted high-order soliton characterization. <i>New Journal of Physics</i> , 2022, 24, 033039.	2.9	4
8	Pulse shrinkage of dissipative-soliton-resonance pulses with or without period doubling. <i>Optics Communications</i> , 2022, 512, 128071.	2.1	2
9	Maximum probability directed blind phase search for PS-QAM with variable shaping factors. <i>Optics Express</i> , 2022, 30, 550.	3.4	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.	3.3	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.	3.4	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.	2.9	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.	3.4	12
18	Advances in Multicore Fiber Grating Sensors. <i>Photonics</i> , 2022, 9, 381.	2.0	18

#	ARTICLE	IF	CITATIONS
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.	3.3	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.	3.4	4
21	Cyclic silicon waveguide four-mode converter for mode division multiplexing transmission. <i>Optics Express</i> , 2022, 30, 22986.	3.4	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.	4.7	2
23	Optical Multipath Interference Mitigation for High-Speed PAM4 IMDD Transmission System. <i>Journal of Lightwave Technology</i> , 2022, 40, 5490-5501.	4.6	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.	2.0	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.	3.3	6
26	High-Performance Raman Distributed Temperature Sensing Powered by Deep Learning. <i>Journal of Lightwave Technology</i> , 2021, 39, 654-659.	4.6	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.	2.9	6
28	Enhanced BOTDA Sensors Based on Brillouin Phase Recovery Using Kramers-Kronig Relation. <i>IEEE Sensors Journal</i> , 2021, 21, 22775-22782.	4.7	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.	4.6	62
30	45° aligned dual-polarizer for the suppression of signal fading in polarization OTDR. <i>Applied Optics</i> , 2021, 60, 1603.	1.8	1
31	Performance-Enhanced DMT System With Joint Precoding and Probabilistic Constellation Shaping. <i>IEEE Photonics Journal</i> , 2021, 13, 1-12.	2.0	1
32	Optimized Volterra filter equalizer based on weighted principal component analysis for IM-DD transmission. <i>Optics Letters</i> , 2021, 46, 1680.	3.3	3
33	PMD estimation and its enabled feedforward adaptive equalization based on superimposed FrFT training sequences. <i>Optics Letters</i> , 2021, 46, 1526.	3.3	4
34	Period doubling and merging of multiple dissipative-soliton-resonance pulses in a fiber laser. <i>Applied Optics</i> , 2021, 60, 3322.	1.8	5
35	Improving the Spatial Resolution of a BOTDA Sensor Using Deconvolution Algorithm. <i>Journal of Lightwave Technology</i> , 2021, 39, 2215-2222.	4.6	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.	4.6	13

#	ARTICLE	IF	CITATIONS
37	Interference fading suppression in $\mu$ -OTDR using space-division multiplexed probes. Optics Express, 2021, 29, 15452.	3.4	34
38	Biased Balance Detection for Fiber Optical Frequency Comb Based Linear Optical Sampling. Journal of Lightwave Technology, 2021, 39, 3458-3465.	4.6	12
39	All-optical polarization split of the signal and LO for a bi-directional self-homodyne coherent system. Optics Letters, 2021, 46, 2819.	3.3	10
40	Simple and precise characterization of differential modal group delay arising in few-mode fiber. Optics Letters, 2021, 46, 2856.	3.3	3
41	Geometric shaping optimization of 64-APSK constellation in discrete nonlinear frequency division multiplexing systems. Optics Letters, 2021, 46, 3368.	3.3	11
42	In-service crosstalk monitoring in multicore fibers based on precoded DMT system. Optics Letters, 2021, 46, 2924.	3.3	1
43	Enabling long range distributed vibration sensing using multicore fiber interferometers. Optics Letters, 2021, 46, 3685.	3.3	11
44	Nonlinear Fourier transform enabled eigenvalue spectrum investigation for fiber laser radiation. Photonics Research, 2021, 9, 1531.	7.0	60
45	Asymmetric dual-SSB modulation for photonic co-frequency mm-wave signals generation and DSP-free receiver. Optics Letters, 2021, 46, 4366.	3.3	4
46	Single-ended self-calibration high-accuracy Raman distributed temperature sensing based on multi-core fiber. Optics Express, 2021, 29, 34762.	3.4	6
47	Blind Identification of the Shaping Rate for Probabilistic Shaping QAM Signal. IEEE Photonics Technology Letters, 2021, 33, 998-1001.	2.5	3
48	Phase Retrieval of Complex OFDM Signal by Solving Temporal Transport-of-Intensity Equation. IEEE Photonics Technology Letters, 2021, 33, 1006-1009.	2.5	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.	3.4	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.	2.9	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

#	ARTICLE	IF	CITATIONS
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.	3.4	7
57	Enhanced Raman Distributed Temperature Sensor Using a High Raman Gain Fiber. IEEE Sensors Journal, 2021, 21, 27518-27525.	4.7	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.	4.3	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.	2.9	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.	2.9	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.	5.0	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.	4.6	4
68	Overfitting effect of artificial neural network based nonlinear equalizer: from mathematical origin to transmission evolution. Science China Information Sciences, 2020, 63, 1.	4.3	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.	4.6	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.	2.0	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.	5.0	11
72	Breach and recurrence of dissipative soliton resonance during period-doubling evolution in a fiber laser. Physical Review A, 2020, 102, .	2.5	8

#	ARTICLE	IF	CITATIONS
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.	4.2	7
74	Telecommunication Compatibility Evaluation for Co-existing Quantum Key Distribution in Homogenous Multicore Fiber. IEEE Access, 2020, 8, 78836-78846.	4.2	8
75	Carrier Beating Impairment in Weakly Coupled Multicore Fiber-Based IM/DD Systems. IEEE Access, 2020, 8, 65699-65710.	4.2	4
76	Parallel Fabry-Perot interferometers fabricated on multicore-fiber for temperature and strain discriminative sensing. Optics Express, 2020, 28, 3190.	3.4	19
77	Laser linewidth tolerance for nonlinear frequency division multiplexing transmission with discrete spectrum modulation. Optics Express, 2020, 28, 9642.	3.4	15
78	Transfer learning simplified multi-task deep neural network for PDM-64QAM optical performance monitoring. Optics Express, 2020, 28, 7607.	3.4	31
79	Fading-free polarization-sensitive optical fiber sensing. Optics Express, 2020, 28, 37334.	3.4	5
80	Distributed curvature sensing based on a bending loss-resistant ring-core fiber. Photonics Research, 2020, 8, 165.	7.0	23
81	Distributed Brillouin frequency shift extraction via a convolutional neural network. Photonics Research, 2020, 8, 690.	7.0	46
82	Distributed multicore fiber sensors. Opto-Electronic Advances, 2020, 3, 19002401-19002417.	13.3	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.	3.4	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

#	ARTICLE	IF	CITATIONS
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.	3.3	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.	4.6	14
93	Efficient Timing/Frequency Synchronization Based on Sparse Fast Fourier Transform. Journal of Lightwave Technology, 2019, 37, 5299-5308.	4.6	5
94	Hardware Efficient Adaptive Equalizer for Coherent Short-Reach Optical Interconnects. IEEE Photonics Technology Letters, 2019, 31, 1249-1252.	2.5	12
95	PANDA Type Four-Core Fiber With the Efficient Use of Stress Rods. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	6
96	Multicore Fibers. , 2019, , 1-72.		1
97	Multimode fiber spectrometer with scalable bandwidth using space-division multiplexing. AIP Advances, 2019, 9, .	1.3	20
98	Toward Terabit Digital Radio over Fiber Systems: Architecture and Key Technologies. IEEE Communications Magazine, 2019, 57, 131-137.	6.1	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.	4.6	29
100	Reconfigurable Microwave Photonic Filter Based on Long Period Gratings Inscribed in Multicore Fibers. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	4
101	Panda type elliptical core few-mode fiber. APL Photonics, 2019, 4, 022901.	5.7	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.	4.6	6
104	An Image Encryption Scheme Based on Hybrid Electro-Optic Chaotic Sources and Compressive Sensing. IEEE Access, 2019, 7, 156582-156591.	4.2	20
105	Reconfigurable Inter-Core Signal Switching Within Multicore Fibers Based on Long-Period Gratings. Journal of Lightwave Technology, 2019, 37, 6025-6032.	4.6	3
106	Peak-power-clamping in an all-polarization-maintaining Q-switched mode-locking fiber laser. Optics Express, 2019, 27, 37614.	3.4	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.	4.6	43
108	High-Speed PAM4-Based Optical SDM Interconnects With Directly Modulated Long-Wavelength VCSEL. Journal of Lightwave Technology, 2019, 37, 356-362.	4.6	19

#	ARTICLE	IF	CITATIONS
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.	3.4	12
112	Joint OSNR and CD monitoring in digital coherent receiver using long short-term memory neural network. Optics Express, 2019, 27, 6936.	3.4	29
113	Modulation format identification assisted by sparse-fast-Fourier-transform for hitless flexible coherent transceivers. Optics Express, 2019, 27, 7072.	3.4	17
114	Femtosecond laser enabled selective micro-holes drilling on the multicore-fiber facet for displacement sensor application. Optics Express, 2019, 27, 10777.	3.4	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.	3.4	17
116	Multi-task deep neural network (MT-DNN) enabled optical performance monitoring from directly detected PDM-QAM signals. Optics Express, 2019, 27, 19062.	3.4	47
117	Hybrid constellation entropy loading for adaptively partitioned SSB-DMT systems. Optics Express, 2019, 27, 26295.	3.4	4
118	Long-period fiber gratings inscribed in few-mode fibers for discriminative determination. Optics Express, 2019, 27, 26307.	3.4	13
119	Kernel mapping for mitigating nonlinear impairments in optical short-reach communications. Optics Express, 2019, 27, 29567.	3.4	6
120	Single-step digital backpropagation for subcarrier-multiplexing transmissions. Optics Express, 2019, 27, 36680.	3.4	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.	3.4	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.	3.3	33



#	ARTICLE	IF	CITATIONS
127	Femtosecond laser micro-machining enabled all-fiber mode selective converter. Optics Letters, 2019, 44, 5941.	3.3	7
128	Design, fabrication, and characterization of a highly nonlinear few-mode fiber. Photonics Research, 2019, 7, 1354.	7.0	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.	3.4	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.	3.4	11
143	Improved estimate and accurate measurement of thermal stresses in FRP tendon. Construction and Building Materials, 2018, 164, 620-624.	7.2	6
144	ILR Microwave Photonic Filters Based on Homogeneous Multicore Fibers. Journal of Lightwave Technology, 2018, 36, 4298-4304.	4.6	6

#	ARTICLE	IF	CITATIONS
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.	2.0	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.	4.6	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.	4.6	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.	2.0	20
159	Enabling Simultaneous DAS and DTS Through Space-Division Multiplexing Based on Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5707-5713.	4.6	21
160	Digital Domain Power Division Multiplexed Dual Polarization Coherent Optical OFDM Transmission. Scientific Reports, 2018, 8, 15827.	3.3	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.	4.6	8

#	ARTICLE	IF	CITATIONS
163	A Joint OSNR and Nonlinear Distortions Estimation Method for Optical Fiber Transmission System. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	7
164	SNR-Enhanced Fast BOTDA Combining Channel Estimation Technique With Complementary Pulse Coding. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	5
165	Distributed Vibration Sensor Based on Space-Division Multiplexed Reflectometer and Interferometer in Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5764-5772.	4.6	30
166	Bidirectional long-reach PON using Kramers-Kronig-based receiver for Rayleigh Backscattering noise and SSBI interference elimination. Optics Express, 2018, 26, 19020.	3.4	9
167	Synchronized Random Bit Sequences Generation Based on Analog-Digital Hybrid Electro-Optic Chaotic Sources. Journal of Lightwave Technology, 2018, 36, 4995-5002.	4.6	16
168	Carrier Phase Recovery for Set-Partitioning QAM Formats. Journal of Lightwave Technology, 2018, 36, 4129-4137.	4.6	8
169	TDHQ Enabling Fine-Granularity Adaptive Loading for SSB-DMT Systems. IEEE Photonics Technology Letters, 2018, 30, 1687-1690.	2.5	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.	3.4	34
173	Directional torsion and temperature discrimination based on a multicore fiber with a helical structure. Optics Express, 2018, 26, 544.	3.4	76
174	Light-controllable fiber interferometer utilizing photoexcitation dynamics in colloidal quantum dot. Optics Express, 2018, 26, 3903.	3.4	4
175	Real-time 100 Gbps/λ/core NRZ and EDB IM/DD transmission over multicore fiber for intra-datacenter communication networks. Optics Express, 2018, 26, 10519.	3.4	31
176	Few-mode multicore fiber enabled integrated Mach-Zehnder interferometers for temperature and strain discrimination. Optics Express, 2018, 26, 15332.	3.4	37
177	Investigation of channel model for weakly coupled multicore fiber. Optics Express, 2018, 26, 5182.	3.4	27
178	Modulation format identification enabled by the digital frequency-offset loading technique for hitless coherent transceiver. Optics Express, 2018, 26, 7288.	3.4	36
179	Sparse-fast-Fourier-transform-based quick synchronization for optical direct detection orthogonal frequency division multiplexing systems. Optics Letters, 2018, 43, 2014.	3.3	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.	5.2	30

#	ARTICLE	IF	CITATIONS
181	Spatial Division Multiplexing-Based Reflective Intensity-Modulated Fiber Optics Displacement Sensor. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	4
182	Fiber optics frequency comb enabled linear optical sampling with operation wavelength range extension. Optics Letters, 2018, 43, 439.	3.3	14
183	Arbitrary Bias Point Control Technique for Optical IQ Modulator Based on Dither-Correlation Detection. Journal of Lightwave Technology, 2018, 36, 3824-3836.	4.6	32
184	An Electrooptic Chaotic System Based on a Hybrid Feedback Loop. Journal of Lightwave Technology, 2018, 36, 4259-4266.	4.6	33
185	Investigation of DC-Biased Optical OFDM With Precoding Matrix for Visible Light Communications: Theory, Simulations, and Experiments. IEEE Photonics Journal, 2018, 10, 1-16.	2.0	17
186	Secure Strategy for OFDM-PON Using Digital Chaos Algorithm With Fixed-Point Implementation. Journal of Lightwave Technology, 2018, 36, 4826-4833.	4.6	22
187	Design of highly mode group selective photonic lanterns with geometric optimization. Applied Optics, 2018, 57, 7065.	1.8	10
188	Code reservation enabled PAPR reduction of digital CDM based channel aggregation for mobile fronthaul. Optics Express, 2018, 26, 21585.	3.4	2
189	Robust in-fiber spatial interferometer using multicore fiber for vibration detection. Optics Express, 2018, 26, 29629.	3.4	20
190	Enabling simultaneous DAS and DTS measurement through multicore fiber based space-division multiplexing. , 2018, , .		4
191	Digital chromatic dispersion pre-management enabled single-lane 112â€‰Gb/s PAM-4 signal transmission over 80â€‰km SSMF. Optics Letters, 2018, 43, 1495.	3.3	13
192	Radial basis function neural network enabled C-band 4â€‰50â€‰Gb/s PAM-4 transmission over 80â€‰km SSMF. Optics Letters, 2018, 43, 3542.	3.3	31
193	Real-time 100 Gbps/core NRZ and EDB IM/DD Transmission over 10 km Multicore Fiber. , 2018, , .		2
194	Multicore fiber space-division multiplexed reflectometer and interferometer for distributed vibration sensing. , 2018, , .		0
195	Highly Mode Selective 3-Mode Photonic Lantern through Geometric Optimization. , 2018, , .		2
196	Reconfigurable Inter-core Switching within Multicore Fiber. , 2018, , .		3
197	First Demonstration of Orbital Angular Momentum (OAM) Distributed Raman Amplifier over 18-km OAM Fiber with Data-Carrying OAM Multiplexing and Wavelength-Division Multiplexing. , 2018, , .		10
198	Performance enhancement of ROTDR using deep convolutional neural networks. , 2018, , .		10

#	ARTICLE	IF	CITATIONS
199	Realistic Model for Frequency-Dependent Crosstalk in Weakly-Coupled Multicore Fiber. , 2018, , .		7
200	BOTDA combining channel estimation technique and complementary coding. , 2018, , .		0
201	Design and Application of Fiber Optical Door Switch Sensor. , 2018, , .		0
202	Blind and Fast Modulation Format Identification by Frequency-offset Loading for Hitless Flexible Transceiver. , 2018, , .		3
203	Time-Frequency Signal Processing Based on Fractional Fourier Transform for optical communications. , 2018, , .		0
204	Link optimized few-mode fiber Raman distributed temperature sensors. Applied Optics, 2018, 57, 6923.	1.8	8
205	BOMA and OFDM/OQAM modulation for a radio-over-fiber system with enhanced spectral efficiency. Optics Letters, 2018, 43, 4859.	3.3	1
206	Training Symbol Assisted in-Band OSNR Monitoring Technique for PDM-CO-OFDM System. Journal of Lightwave Technology, 2017, 35, 1551-1556.	4.6	12
207	Characterization and Optimization of Unrepeated Coherent Transmission Systems Using DRA and ROPA. Journal of Lightwave Technology, 2017, 35, 1830-1836.	4.6	10
208	Three-Dimensional Adaptive Modulation and Coding for DDO-OFDM Transmission System. IEEE Photonics Journal, 2017, 9, 1-20.	2.0	6
209	Highly sensitive strain sensor based on helical structure combined with Mach-Zehnder interferometer in multicore fiber. Scientific Reports, 2017, 7, 46633.	3.3	69
210	Experimental Demonstration of Ultra-Dense WDM-PON With Seven-Core MCF-Enabled Self-Homodyne Coherent Detection. IEEE Photonics Journal, 2017, 9, 1-7.	2.0	12
211	Simultaneous Suppression of Even-Order and Third-Order Distortions in Directly Modulated Analog Photonic Links. IEEE Photonics Journal, 2017, 9, 1-12.	2.0	15
212	An Optically Coupled Electro-Optic Chaos System With Suppressed Time-Delay Signature. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	19
213	Theoretical Investigation of Longitudinal Dispersion Fluctuations on All-Fiber Phase-Sensitive Parametric Optical Switch. Journal of Lightwave Technology, 2017, 35, 1646-1653.	4.6	2
214	Demonstration of distributed shape sensing based on Brillouin scattering in multi-core fibers. , 2017, , .		3
215	Few mode fibers based quasi-single mode Raman distributed temperature sensor. Proceedings of SPIE, 2017, , .	0.8	1
216	Sweep free BOTDA based on DD-OOFDM channel estimation. Proceedings of SPIE, 2017, , .	0.8	0

#	ARTICLE	IF	CITATIONS
217	End-View Image Processing Based Angle Alignment Techniques for Specialty Optical Fibers. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	13
218	Spatially Arrayed Long Period Gratings in Multicore Fiber by Programmable Electrical Arc Discharge. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	14
219	Physical-layer network coding for passive optical interconnects in datacenter networks. , 2017, , .		0
220	Experimental Investigation on Improved Predistortion Circuit for Directly Modulated Radio Over Fiber System. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	3
221	All-fiber spatial rotation manipulation for radially asymmetric modes. Scientific Reports, 2017, 7, 2539.	3.3	15
222	Scalability analysis methodology for passive optical interconnects in data center networks using PAM. Optics Communications, 2017, 403, 283-289.	2.1	3
223	Analytical analysis of dynamic stress distribution of fiber reinforced polymer rod based on realistic boundary shear stress. Composites Part B: Engineering, 2017, 131, 209-220.	12.0	6
224	Monitoring on internal temperature of composite insulator with embedding fiber Bragg grating for early diagnosis. Proceedings of SPIE, 2017, , .	0.8	1
225	Vertical blind phase search for low-complexity carrier phase recovery of offset-QAM Nyquist WDM transmission. Optics Communications, 2017, 382, 212-218.	2.1	9
226	Precoded-DC-biased optical OFDM system for visible light communications. , 2017, , .		0
227	Cascaded and parallel IIR microwave photonic filters based on homogeneous multicore fibers. , 2017, , .		1
228	Widely tunable optoelectronic oscillator using phase modulation to intensity modulation conversion and a heterogeneous multicore fiber. , 2017, , .		0
229	Fractal Dimension Aided Modulation Formats Identification Based on Support Vector Machines. , 2017, , .		2
230	Broadband Inter-Core Optical Multicasting within Multicore Fibre. , 2017, , .		0
231	Helical long period grating in multicore fiber for simultaneous measurement of torsion and temperature. , 2017, , .		0
232	A distributed temperature sensor based on two mode fiber. , 2017, , .		2
233	Broadband optical chaos generation by constructing a simple hybrid feedback loop. , 2017, , .		2
234	Measurement of polarization mode coupling distribution in polarization maintaining fibers using microwave photonic filter technique. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
235	Few-mode fiber based Raman distributed temperature sensing over 25 km with link optimization and wavelet-denoising. , 2017, , .		2
236	Directional bending sensor based on spatially arrayed long period gratings in multicore fiber. , 2017, , .		0
237	Frequency Offset Estimation for 32-QAM Based on Constellation Rotation. IEEE Photonics Technology Letters, 2017, 29, 2115-2118.	2.5	14
238	Experimental demonstration of MCF enabled bidirectional colorless CAP-PON system with wavelength reuse technique. , 2017, , .		0
239	Simultaneously detection on temperature and stress distributions of FRP rod with OFS. , 2017, , .		0
240	Long haul quasi-single-mode transmission using Raman amplified hybrid FMF/SSMF span for CO-OFDM system. , 2017, , .		0
241	Training symbol assisted in-band OSNR monitoring technique suitable for long haul Raman amplified PDM-CO-OFDM system. , 2017, , .		1
242	Supercontinuum generation with a repetition rate over 100MHz based on a picosecond pulse from a normal dispersion fiber laser. , 2017, , .		0
243	5G compatible front-haul transmission of OFDM-MIMO signal over multicore fibers. , 2017, , .		0
244	Experimental demonstration of high spectral efficient 4 × 4 MIMO SCMA-OFDM/OQAM radio over multi-core fiber system. Optics Express, 2017, 25, 18431.	3.4	13
245	RF-pilot aided modulation format identification for hitless coherent transceiver. Optics Express, 2017, 25, 463.	3.4	44
246	High speed single-wavelength modulation and transmission at 2 × 10 <sup>14</sup> m under bandwidth-constrained condition. Optics Express, 2017, 25, 4528.	3.4	31
247	Few-mode fiber based Raman distributed temperature sensing. Optics Express, 2017, 25, 4907.	3.4	63
248	Joint carrier phase and frequency-offset estimation with parallel implementation for dual-polarization coherent receiver. Optics Express, 2017, 25, 5217.	3.4	21
249	Simplex coded polarization optical time domain reflectometry system. Optics Express, 2017, 25, 5550.	3.4	4
250	Ultra-high capacity WDM-SDM optical access network with self-homodyne detection downstream and 32QAM-FBMC upstream. Optics Express, 2017, 25, 5951.	3.4	31
251	2 × 64 Cb/s PAM-4 transmission over 70 km SSMF using O-band 18G-class directly modulated lasers (DMLs). Optics Express, 2017, 25, 7230.	3.4	44
252	Feed-forward frequency offset estimation for 32-QAM optical coherent detection. Optics Express, 2017, 25, 8828.	3.4	19

#	ARTICLE	IF	CITATIONS
253	BOTDA using channel estimation with direct-detection optical OFDM technique. Optics Express, 2017, 25, 12698.	3.4	26
254	Few-mode optical fiber based simultaneously distributed curvature and temperature sensing. Optics Express, 2017, 25, 12722.	3.4	26
255	Physical-layer network coding for passive optical interconnect in datacenter networks. Optics Express, 2017, 25, 17788.	3.4	10
256	All-fiber polarization manipulation for high-order LP modes with mode profile maintenance. Optics Express, 2017, 25, 18197.	3.4	10
257	Towards large dynamic range and ultrahigh measurement resolution in distributed fiber sensing based on multicore fiber. Optics Express, 2017, 25, 20183.	3.4	36
258	Novel dual-loop optoelectronic oscillator based on self-polarization-stabilization technique. Optics Express, 2017, 25, 21993.	3.4	16
259	Performance enhanced DDO-OFDM system with adaptively partitioned precoding and single sideband modulation. Optics Express, 2017, 25, 23093.	3.4	19
260	Multi-subcarrier flexible bit-loading enabled capacity improvement in meshed optical networks with cascaded ROADMs. Optics Express, 2017, 25, 25046.	3.4	8
261	Low complexity split digital backpropagation for digital subcarrier-multiplexing optical transmissions. Optics Express, 2017, 25, 27824.	3.4	9
262	Reproducible optical noise-like signal generation subjected by digital sequences. Optics Express, 2017, 25, 29189.	3.4	7
263	Polarization-maintaining few mode fiber composed of a central circular-hole and an elliptical-ring core. Photonics Research, 2017, 5, 261.	7.0	47
264	Modulation-format-free and automatic bias control for optical IQ modulators based on dither-correlation detection. Optics Express, 2017, 25, 9333.	3.4	27
265	Spatial-division multiplexed Brillouin distributed sensing based on a heterogeneous multicore fiber. Optics Letters, 2017, 42, 171.	3.3	29
266	First Experimental Demonstration of Physical-Layer Network Coding in PAM4 System for Passive Optical Interconnects. , 2017, , .		3
267	Long Period Fiber Grating Fabrication by Two-Step Infrared Femtosecond Fiber Laser Exposure. IEEE Photonics Journal, 2017, 9, 1-7.	2.0	2
268	Multiplexed polarization OTDR system with high DOP and ability of multi-event detection. Applied Optics, 2017, 56, 3709.	2.1	8
269	Large-Capacity Optical Access Network Utilizing Multicore Fiber and Self-Homodyne Coherent Detection. , 2017, , .		5
270	Non-orthogonal Multiple Access Based on SCMA and OFDM/OQAM Techniques in Bidirectional RoF System. , 2017, , .		4



#	ARTICLE	IF	CITATIONS
271	Joint estimation of time-frequency impairments for single carrier coherent transmission system with FrFT tailored training symbol. , 2017, , .		2
272	Distributed and discriminative Brillouin optical fiber sensing based on heterogeneous multicore fiber. , 2017, , .		1
273	Simplified Blind Phase Search for Low-complexity Carrier Phase Estimation of M-ary QAM Format. , 2017, , .		1
274	Integrated chiral long period gratings in multicore fiber. , 2017, , .		0
275	Filtering Tolerant Digital Subcarrier Multiplexing System with Flexible Bit and Power Loading. , 2017, , .		10
276	De-correlation Bandwidth Evolution of Frequency Dependent Crosstalk in Weakly Coupled Multicore Fiber. , 2017, , .		0
277	Reproducible Broadband Optical Noise Generation Based on Phase Modulation to Intensity Modulation Conversion and a Nonlinear Transformation. , 2017, , .		1
278	CAZAC Sequence Based In-Band OSNR Monitoring for DP-CO-OFDM system. , 2017, , .		0
279	Low Complexity Single-Step Digital Backpropagation for High-order QAM Subcarrier-Multiplexing Transmission. , 2017, , .		0
280	Light Controlled Optical Fiber Comb Filter Enabled by Colloidal Quantum Dots. , 2017, , .		1
281	Temperature-insensitive fiber twist sensor based on elliptical-core few-mode fiber. Optics Letters, 2016, 41, 4617.	3.3	23
282	2 MIMO OFDM/OQAM radio signals over an elliptical core few-mode fiber. Optics Letters, 2016, 41, 4546.	3.3	5
283	Fast and Robust Chromatic dispersion Estimation for Digital Optical Coherent Receivers. , 2016, , .		2
284	Modulation format identification aided hitless flexible coherent transceiver. Optics Express, 2016, 24, 15642.	3.4	19
285	Heterogeneous all-solid multicore fiber based multipath Michelson interferometer for high temperature sensing. Optics Express, 2016, 24, 20210.	3.4	55
286	Joint timing/frequency offset estimation and correction based on FrFT encoded training symbols for PDM CO-OFDM systems. Optics Express, 2016, 24, 28256.	3.4	20
287	Electro-optic chaotic system based on the reverse-time chaos theory and a nonlinear hybrid feedback loop. Optics Express, 2016, 24, 28804.	3.4	17
288	Experimental investigation of inter-core crosstalk tolerance of MIMO-OFDM/OQAM radio over multicore fiber system. Optics Express, 2016, 24, 13418.	3.4	32

#	ARTICLE	IF	CITATIONS
289	Spectrally overlaid DDO-OFDM transmission enabled by optical power division multiplexing. , 2016, , .		1
290	Distributed shape sensing using Brillouin scattering in multi-core fibers. Optics Express, 2016, 24, 25211.	3.4	147
291	Low-complexity carrier phase estimation for M-ary QAM based on blind phase search using simplified measurement. , 2016, , .		3
292	Spatial-division multiplexed hybrid Raman and Brillouin optical time-domain reflectometry based on multi-core fiber. Optics Express, 2016, 24, 25111.	3.4	36
293	Precoding assisted direct detection optical FBMC for 100 Gbit/s short-range transmission system. , 2016, , .		0
294	Fiber Bragg gratings in heterogeneous multicore fiber for directional bending sensing. Journal of Optics (United Kingdom), 2016, 18, 085705.	2.2	70
295	Dispersion-Tolerant DDO-OFDM System and Simplified Adaptive Modulation Scheme Using CAZAC Precoding. Journal of Lightwave Technology, 2016, 34, 2743-2751.	4.6	25
296	Few-mode fiber based distributed curvature sensor through quasi-single-mode Brillouin frequency shift. Optics Letters, 2016, 41, 1514.	3.3	28
297	Mode-dependent characterization of photonic lanterns. Optics Letters, 2016, 41, 2302.	3.3	10
298	Experimental Demonstration of Bidirectional OFDM/OQAM-MIMO Signal Over a Multicore Fiber System. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	19
299	Scalar-vector soliton fiber laser mode-locked by nonlinear polarization rotation. Optics Express, 2016, 24, 18764.	3.4	46
300	Characterization of Rayleigh backscattering arising in various two-mode fibers. Optics Express, 2016, 24, 12192.	3.4	5
301	Experimental demonstration of a 10â€‰Gb/s non-orthogonal multi-dimensional CAP-PON system based on the ISI and CCI cancellation algorithm. Optics Letters, 2016, 41, 3988.	3.3	15
302	Switchable thulium-doped fiber laser from polarization rotation vector to scalar soliton. Scientific Reports, 2016, 6, 34844.	3.3	24
303	Experimental verification of relative phase noise in Raman amplified coherent optical communication system. Journal of Lightwave Technology, 2016, , 1-1.	4.6	4
304	Design and fabrication of elliptical-core few-mode fiber for MIMO-less data transmission. Optics Letters, 2016, 41, 3058.	3.3	73
305	Employing multicore fiber in short reach optical networks. , 2016, , .		1
306	ICI Mitigation for Dual-Carrier Superchannel Transmission Based on m-PSK and m-QAM Formats. Journal of Lightwave Technology, 2016, 34, 5526-5533.	4.6	14

#	ARTICLE	IF	CITATIONS
307	Hole-Assisted Graded-Index Four-LP-Mode Fiber With Low Differential Mode Group Delay Over C+L Band. IEEE Photonics Journal, 2016, 8, 1-10.	2.0	4
308	All-Fiber Tunable LP <sub>11</sub> Mode Rotator With 360° Range. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	13
309	Supercontinuum generation with a repetition rate over 100MHz based on a picosecond pulse from a normal dispersion fiber laser. , 2016, , .		1
310	Evidence of pseudo-high-order group-velocity-locked vector dissipative solitons. , 2016, , .		0
311	Curvature-induced Brillouin frequency shifts of fundamental mode in few mode fiber. , 2016, , .		0
312	Switchable Dual-Wavelength Mode-Locking of Thulium-Doped Fiber Laser Based on SWNTs. IEEE Photonics Technology Letters, 2016, 28, 2019-2022.	2.5	12
313	General model of signal propagation in a Raman amplified single-mode fiber based coherent optical communication system. Optics Communications, 2016, 380, 401-408.	2.1	3
314	Spatial-Division Multiplexed Mach-Zehnder Interferometers in Heterogeneous Multicore Fiber for Multiparameter Measurement. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	44
315	Low-Complexity Carrier Phase Recovery Based on Constellation Classification for M-ary Offset-QAM Signal. Journal of Lightwave Technology, 2016, 34, 1133-1140.	4.6	7
316	Experimental Demonstration of a 16.27 Gb/s 2-D Coherent Optical OFDM System With 3-D Signal Mapper and 2-D IFFT Modulator. Journal of Lightwave Technology, 2016, 34, 1177-1183.	4.6	10
317	Temporal depolarization suppressed POTDR system for quasi-distributed instantaneous intrusion sensing and vibration frequency measurement. IEEE Photonics Journal, 2016, , 1-1.	2.0	5
318	Fractional Fourier Transformation-Based Blind Chromatic Dispersion Estimation for Coherent Optical Communications. Journal of Lightwave Technology, 2016, 34, 2371-2380.	4.6	29
319	High-frequency reverse-time chaos generation using an optical matched filter. Optics Letters, 2016, 41, 1157.	3.3	19
320	Impact of Sampling Source Repetition Frequency in Linear Optical Sampling. IEEE Photonics Technology Letters, 2016, 28, 15-18.	2.5	10
321	The Role of Effective Area in the Design of Weakly Coupled MCF: Optimization Guidance and OSNR Improvement. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 81-87.	2.9	9
322	To Overcome the Scalability Limitation of Passive Optical Interconnects in Datacentres. , 2016, , .		1
323	Digital Domain Power Division Multiplexing DDO-OFDM Transmission with Successive Interference Cancellation. , 2016, , .		9
324	Space-Division Multiplexed Multicore Fiber Mach-Zehnder Interferometer for Joint Temperature and Strain Sensing. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
325	64 Core Ultra Dense Multicore Fiber Design for Optical Fronthaul Systems. , 2016, , .		2
326	Experimental Demonstration of Symmetric WDM-SDM Optical Access Network over Multicore Fiber. , 2016, , .		0
327	Space-Division-Multiplexed Transmission of IEEE 802.11ac-Compliant 6Å–6 WLAN Signals over 2-km 7-core Fiber. , 2016, , .		1
328	Simultaneous Measurement of Torsion and Temperature Based on Helical Structure in Multicore Fiber. , 2016, , .		2
329	A Simplified Adaptive Modulation Scheme for RSOA Based DDO-OFDM System using CAZAC Precoding. , 2016, , .		2
330	Performance Evaluation of PAM and DMT for Short-range Optical Transmission with High Speed InGaAsP DFB-TWEAM. , 2016, , .		2
331	2Å–2 PolMux-MIMO RoF System Employing Interference Cancellation Based OFDM/OQAM Technique. , 2016, , .		2
332	Joint Timing and Frequency Synchronization Based on FrFT Encoded Training Symbol for Coherent Optical OFDM Systems. , 2016, , .		4
333	700G/280G SDM-TWDM-PON over 20km Seven-Core Fibre based on 10G-Class Optical Components. , 2016, , .		0
334	Highly Sensitive Strain Sensor Based on Helical Structure in Multicore Fiber. , 2016, , .		1
335	A Broadband and High Linearity Directly-Modulated Analog Photonic Link based on Push-Pull structure and Digital Signal Post-Compensation. , 2016, , .		2
336	Mitigation of equalization enhanced phase noise in weakly coupled FMF transmission by receiver side duo-binary shaping and MLS. , 2015, , .		0
337	Pump RIN-induced impairments in unrepeated transmission systems using distributed Raman amplifier. Optics Express, 2015, 23, 11838.	3.4	16
338	Quasi-distributed fiber sensor based on Fresnel-reflection-enhanced Incomplete-POTDR system. Proceedings of SPIE, 2015, , .	0.8	2
339	A fast and robust blind chromatic dispersion estimation based on fractional fourier transformation. , 2015, , .		11
340	Electrically Programmable All-Fiber Structured Second Order Optical Temporal Differentiator. IEEE Photonics Journal, 2015, 7, 1-10.	2.0	3
341	A Robust and Efficient Frequency Offset Correction Algorithm With Experimental Verification for Coherent Optical OFDM System. Journal of Lightwave Technology, 2015, 33, 3801-3807.	4.6	8
342	Demonstration of Programmable In-Band OSNR Monitoring Using LCFBG With Commercial Thermal Printer Head. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	2

#	ARTICLE	IF	CITATIONS
343	Security-Enhanced OFDM-PON Using Hybrid Chaotic System. IEEE Photonics Technology Letters, 2015, 27, 326-329.	2.5	66
344	Mode-dependent characteristics of Rayleigh backscattering in weakly-coupled few-mode fiber. Optics Communications, 2015, 346, 15-20.	2.1	11
345	Linewidth-Tolerant Joint Digital Signal Processing for 16QAM Nyquist WDM Superchannel. IEEE Photonics Technology Letters, 2015, 27, 129-132.	2.5	8
346	Simplified Hollow-Core Fiber-Based Fabry-Pérot Interferometer With Modified Vernier Effect for Highly Sensitive High-Temperature Measurement. IEEE Photonics Journal, 2015, 7, 1-10.	2.0	57
347	Electronically reconfigurable bandpass microwave photonic filter using a windowed optical frequency comb. Journal of Optics (United Kingdom), 2015, 17, 035708.	2.2	0
348	Subcarrier multiplexing based self-heterodyne coherent detection for PM-16QAM format. Optics Communications, 2015, 351, 160-166.	2.1	1
349	Performance Comparison of Offset-16QAM and 16QAM for Nyquist WDM Superchannel With Digital Spectral Shaping. Journal of Lightwave Technology, 2015, 33, 3623-3629.	4.6	8
350	An Ultra-Sensitive Magnetic Field Sensor Based on Extrinsic Fiber-Optic Fabry-Pérot Interferometer and Terfenol-D. Journal of Lightwave Technology, 2015, 33, 3332-3337.	4.6	36
351	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
352	A Robust Mode Converter Based on Liquid Crystal on Silicon (LCOS) With Off-Focus Operation. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	1
353	Genetic algorithm based optimization of pulse profile for MOPA based high power fiber lasers. , 2015, , .		0
354	Noise Properties in SESAM-Based Mode-Locked Laser With Intracavity Pump Reflection Coating. IEEE Photonics Technology Letters, 2015, 27, 1200-1203.	2.5	0
355	Dual-state dissipative solitons from an all-normal-dispersion erbium-doped fiber laser: continuous wavelength tuning and multi-wavelength emission. Optics Letters, 2015, 40, 2684.	3.3	21
356	Performance-Enhanced Direct Detection Optical OFDM Transmission With CAZAC Equalization. IEEE Photonics Technology Letters, 2015, 27, 1507-1510.	2.5	51
357	Feed-forward carrier phase recovery for offset-QAM Nyquist WDM transmission. Optics Express, 2015, 23, 6215.	3.4	19
358	Experimental demonstration of large capacity WSDM optical access network with multicore fibers and advanced modulation formats. Optics Express, 2015, 23, 10997.	3.4	77
359	Low-complexity feed-forward carrier phase estimation for M-ary QAM based on phase search acceleration by quadratic approximation. Optics Express, 2015, 23, 19142.	3.4	15
360	Novel design of N-dimensional CAP filters for 10-Gb/s CAP-PON system. Optics Letters, 2015, 40, 2409.	3.3	21

#	ARTICLE	IF	CITATIONS
361	Characterization and mitigation of phase-modulation-dependent loss of liquid crystal on silicon. Optics Letters, 2015, 40, 1484.	3.3	4
362	SNR Equalized Optical Direct-Detected OFDM Transmission with CAZAC Equalization. , 2015, , .		1
363	Spatial mode rotator based on mechanically induced twist and bending in few-mode fibers. Proceedings of SPIE, 2015, , .	0.8	2
364	Full Bandwidth Measurement of Supercontinuum Spectral Phase Coherence in Long Pulse Regime. Fiber and Integrated Optics, 2015, 34, 66-75.	2.5	1
365	Long Period Grating in Multicore Fiber and Its Application for Measurement of Temperature and Strain. , 2015, , .		2
366	Figure of Merit (FOM) for Multicore Fiber-based Long-haul Transmission Assessment. , 2015, , .		0
367	Training Symbol Assisted Optical Signal-to-Noise Ratio Monitoring Technique for DDO-OFDM Systems. , 2015, , .		4
368	Low-Cost In-Band OSNR Monitoring based on Coherent Hybrid in CO-OFDM System. , 2015, , .		0
369	Experimental Characterization of Rayleigh Backscattering in Few-Mode Fiber Using All-Fiber Photonic Lanterns. , 2015, , .		0
370	Four-Wave Mixing and Bragg Scattering in Resonant Seed Modulation Instability in Optical Fiber. , 2014, , .		0
371	Programmable wavelength-tunable second-order optical temporal differentiator based on a linearly chirped fiber Bragg grating and a digital thermal controller. Optics Letters, 2014, 39, 2004.	3.3	5
372	Programmable multi-wavelength filter with Mach-Zehnder interferometer embedded in ethanol filled photonic crystal fiber. Optics Letters, 2014, 39, 2194.	3.3	3
373	Relative phase noise induced impairment in CO-OFDM optical communication system with distributed fiber Raman amplifier. Optics Letters, 2014, 39, 2841.	3.3	4
374	Relative phase noise estimation and mitigation in Raman amplified coherent optical communication system. Optics Express, 2014, 22, 1257.	3.4	15
375	Role of wavelength dependent sensitivity in affecting the crosstalk mitigation of homogeneous multicore fiber: an analytical estimation approach. Optics Express, 2014, 22, 14127.	3.4	10
376	All-optical non-conjugated wavelength multicasting of QPSK signal with capability of phase regeneration. Optics Express, 2014, 22, 22996.	3.4	9
377	Temperature compensated magnetic field sensing using dual S-bend structured optical fiber modal interferometer cascaded with fiber Bragg grating. Optics Express, 2014, 22, 27515.	3.4	22
378	Joint digital signal processing of Nyquist-wavelength division multiplexing superchannel with group detection. Optical Engineering, 2014, 53, 126110.	1.0	0

#	ARTICLE	IF	CITATIONS
379	New low-complexity but effective mitigation for penalties from in-band crosstalk of multicore fiber with advanced modulation formats. , 2014, , .		0
380	Energy efficient traffic grooming in blocking IP over WDM networks. , 2014, , .		2
381	Experimental Demonstration of Nonlinearity and Phase Noise Tolerant 16-QAM OFDM W-Band (75â€“110) Tj ETQq1 1 0.784314 rgBT	4.6	10
382	Modeling and Analysis of Fiber Bragg Grating Based Visible Pr $\{3+\}$ -Doped Fiber Lasers. Journal of Lightwave Technology, 2014, 32, 27-34.	4.6	6
383	Cascaded fiber-optic Fabry-Perot interferometers with Vernier effect for highly sensitive measurement of axial strain and magnetic field. Optics Express, 2014, 22, 19581.	3.4	149
384	Nyquist WDM superchannel using offset-16QAM and receiver-side digital spectral shaping. Optics Express, 2014, 22, 17448.	3.4	27
385	All-VCSEL Transmitters With Remote Optical Injection for WDM-OFDM-PON. IEEE Photonics Technology Letters, 2014, 26, 461-464.	2.5	2
386	All-Optical DPSK Regenerative One-to-Nine Wavelength Multicasting Using Dual-Pump Degenerate Phase Sensitive Amplifier. Journal of Lightwave Technology, 2014, 32, 2605-2612.	4.6	8
387	Analytical Investigation on Self-Homodyne Coherent System Based on Few-Mode Fiber. IEEE Photonics Technology Letters, 2014, 26, 74-77.	2.5	20
388	Performance Comparison for NRZ, RZ, and CSRZ Modulation Formats in RS-DBS Nyquist WDM System. Journal of Optical Communications and Networking, 2014, 6, 355.	4.8	14
389	Secure OFDM-PON System Based on Chaos and Fractional Fourier Transform Techniques. Journal of Lightwave Technology, 2014, 32, 2629-2635.	4.6	65
390	Relative Phase Noise-Induced Phase Error and System Impairment in Pump Depletion/Nondepletion Regime. Journal of Lightwave Technology, 2014, 32, 2277-2286.	4.6	17
391	Comparison of RPN Induced Impairments in Various Fibers Using Distributed Raman Amplified Coherent Optical Communication System. , 2014, , .		0
392	Programmable Bandwidth-Variable Optical Temporal Differentiator Based on Linearly Chirped Fiber Bragg Grating and Digital Thermal Controller. , 2014, , .		0
393	All-solid multi-core fiber-based multipath Machâ€“Zehnder interferometer for temperature sensing. Applied Physics B: Lasers and Optics, 2013, 112, 491-497.	2.2	52
394	Programmable all-fiber structured waveshaper based on linearly chirped fiber Bragg grating and digital thermal controller. Applied Physics B: Lasers and Optics, 2013, 112, 479-484.	2.2	9
395	Tunable and programmable fiber ring laser based on digital-controlled chirped fiber Bragg grating. Frontiers of Optoelectronics, 2013, 6, 468-471.	3.7	2
396	Design and numerical optimization of a mode multiplexer based on few-mode fiber couplers. Journal of Optics (United Kingdom), 2013, 15, 125404.	2.2	5



#	ARTICLE	IF	CITATIONS
397	A pump power controlled 1,060Ånm multiwavelength fiber ring laser using nonlinear polarization rotation of SOA. Applied Physics B: Lasers and Optics, 2013, 110, 445-449.	2.2	7
398	Reconfigurable UWB pulse generator based on pulse shaping in a nonlinear optical loop mirror and differential detection. Optics Express, 2013, 21, 6401.	3.4	5
399	Noise properties of uniformly-rotating RRFP Stokes polarimeters. Optics Express, 2013, 21, 9674.	3.4	7
400	Phase noise tolerant inter-carrier-interference cancellation for WDM superchannels with sub-Nyquist channel spacing. Optics Express, 2013, 21, 21569.	3.4	5
401	Relative phase noise induced impairment in M-ary phase-shift-keying coherent optical communication system using distributed fiber Raman amplifier. Optics Letters, 2013, 38, 1055.	3.3	18
402	Design and Optimization of Multi-core Fibers with Low Crosstalk and Large Effective Area. , 2013, , .		0
403	Pump RIN Induced Impairment in Raman Amplified Coherent Optical Communication System using 16-QAM. , 2013, , .		1
404	A fiber-optic methane gas sensor system with improved accuracy using absorption-spectrum matched comb filter. , 2012, , .		0
405	Measurement errors induced by deformation of optical axes of achromatic waveplate retarders in RRFP Stokes polarimeters. Optics Express, 2012, 20, 26649.	3.4	17
406	Modeling and analysis of visible praseodymium doped fiber lasers. , 2012, , .		1
407	Fabrication and characteristic of a simplified hollow-core microstructured fiber. , 2012, , .		0
408	Down-conversion praseodymium doped fiber laser: Modeling and analysis. , 2012, , .		0
409	Comb Filter-Based Fiber-Optic Methane Sensor System With Mitigation of Cross Gas Sensitivity. Journal of Lightwave Technology, 2012, 30, 3103-3109.	4.6	14
410	Rayleigh backscattering noise in single-fiber loopback duplex WDM-PON architecture. Frontiers of Optoelectronics, 2012, 5, 435-438.	3.7	0
411	Raman-Assisted Wavelength Conversion in Chalcogenide Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 646-653.	2.9	4
412	Photonic instantaneous frequency measurement using optical carrier suppression based DC power monitoring. , 2011, , .		1
413	Tunable terahertz-wave generation from DAST crystal pumped by a monolithic dual-wavelength fiber laser. Optics Express, 2011, 19, 779.	3.4	61
414	Instantaneous microwave frequency measurement using optical carrier suppression based DC power monitoring. Optics Express, 2011, 19, 24712.	3.4	9



#	ARTICLE	IF	CITATIONS
415	Investigation and suppression of the pump-to-Stokes relative intensity noise transfer in chalcogenide waveguide Raman laser. <i>Optics Letters</i> , 2011, 36, 2366.	3.3	0
416	Intracavity Widely-Tunable Monochromatic Terahertz-Wave Generation with Organic BNA Crystal and KTP-OPO. , 2011, , .		0
417	Sensitive water concentration mapping in thin fresh tissues using tunable THz-wave parametric oscillator. , 2011, , .		1
418	Tunable narrow linewidth THz-wave generation using dual-wavelength fiber ring laser and organic DAST crystal. , 2010, , .		0
419	Ultra-high efficiency wavelength conversion by coherent anti-stokes Raman scattering (CARS) in chalcogenide waveguides. , 2010, , .		0
420	Influence of electronic nonlinear process in silicon Raman wavelength converter. , 2010, , .		0
421	High conversion efficiency and low lasing threshold waveguide Raman laser for optical interconnect. , 2010, , .		0
422	Investigation of wavelength conversion by coherent anti-Stokes Raman scattering (CARS) in chalcogenide waveguides. , 2010, , .		0
423	Study of water concentration measurement in thin tissues with terahertz-wave parametric source. <i>Optics Express</i> , 2010, 18, 15504.	3.4	28
424	Energy efficient chalcogenide waveguide Raman laser for optical interconnect. <i>Optics Express</i> , 2010, 18, 24434.	3.4	4
425	Composite THz materials using aligned metallic and semiconductor microwires, experiments and interpretation. <i>Optics Express</i> , 2010, 18, 24632.	3.4	31
426	Dual-wavelength single-crystal double-pass KTP optical parametric oscillator and its application in terahertz wave generation. <i>Optics Letters</i> , 2010, 35, 1698.	3.3	23
427	Nelder-Mead simplex method for modeling of cascaded continuous-wave multiple-Stokes Raman fiber lasers. <i>Optical Engineering</i> , 2010, 49, 091009.	1.0	2
428	Influence of CARS process in silicon Raman laser. , 2009, , .		1
429	Fiber-optic parametric amplifier and oscillator based on intracavity parametric pump technique. <i>Optics Letters</i> , 2009, 34, 214.	3.3	12
430	High-energy laser pulse with a submegahertz repetition rate from a passively mode-locked fiber laser. <i>Optics Letters</i> , 2009, 34, 1432.	3.3	91
431	Single-frequency 1060 nm semiconductor-optical-amplifier-based fiber laser with 40 nm tuning range. <i>Optics Letters</i> , 2009, 34, 2204.	3.3	20
432	High-energy wave-breaking-free pulse from allfiber mode-locked laser system. <i>Optics Express</i> , 2009, 17, 7222.	3.4	61

#	ARTICLE	IF	CITATIONS
433	Seamless generation and provisioning of broadcasting and independent services in WDM-PON access networks. <i>Optics Express</i> , 2009, 17, 9630.	3.4	4
434	Simultaneous Multichannel Photonic Up-Conversion Based on Nonlinear Polarization Rotation of an SOA for Radio-Over-Fiber Systems. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 563-565.	2.5	26
435	Novel tunable microwave photonic notch filter using a 3 $\lambda$ -3 coupler based Sagnac loop. <i>Optics Communications</i> , 2008, 281, 1476-1479.	2.1	5
436	Experimental demonstration of polarization multiplexing for simultaneously providing broadband wireless and wired access. <i>Optics Communications</i> , 2008, 281, 2806-2810.	2.1	11
437	Photonic Polarity-Switchable Ultra-Wideband Pulse Generation Using a Tunable Sagnac Interferometer Comb Filter. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1320-1322.	2.5	23
438	Photonic ultrawideband monocycle pulse generation using a single electro-optic modulator. <i>Optics Letters</i> , 2008, 33, 288.	3.3	50
439	Simultaneous Implementation of All-Optical Microwave Bandpass Filtering and Up-Conversion for Radio-Over-Fiber Applications. <i>Journal of Lightwave Technology</i> , 2008, 26, 2202-2210.	4.6	8
440	Electrically wavelength tunable active mode-locked fiber laser using a phase modulator as both mode locker and wavelength selector. , 2008, , .		1
441	A Broadcasting-enabled WDM-PON Architecture Based on Subcarrier Modulation Techniques. , 2008, , .		1
442	Photonic Pulse Generation and Modulation for Ultra-Wideband-Over-Fiber Applications. , 2008, , .		1
443	Impairment-aware network performance of 40Gbps, 16 $\lambda$ IP/GMPLS over WDM system. , 2007, , .		0
444	Chromatic dispersion induced PM-AM conversion and its application in the all-optical clock recovery of NRZ-DPSK signals. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
445	Ultra-wideband pulse generation with flexible pulse shape and polarity control using a Sagnac-interferometer-based intensity modulator. <i>Optics Express</i> , 2007, 15, 18156.	3.4	37
446	Dual Orthogonal Polarization States in an Active Mode-Locked Birefringent Fiber Ring Laser. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 635-637.	2.5	2
447	Nonlinearity enhanced fiber ring laser. , 2006, , .		3
448	Investigation of low-loss and low-dispersion-slope highly nonlinear fibers and their application properties. <i>Proceedings of SPIE</i> , 2006, 6351, 863.	0.8	0
449	The design of ultranarrow dual-transmission-band optical FBC filter with controllable wavelength spacing. <i>Proceedings of SPIE</i> , 2006, 6351, 356.	0.8	0
450	Multi-wavelength mode-locked fiber laser. <i>Proceedings of SPIE</i> , 2006, , .	0.8	0

#	ARTICLE	IF	CITATIONS
451	Broad-band tunable wavelength conversion using Raman-assisted parametric four-wave mixing in highly nonlinear fibers with double-pass geometry. IEEE Photonics Technology Letters, 2005, 17, 148-150.	2.5	12
452	Group-velocity matched-fiber Raman wavelength converter for the flexible optical communications network. Microwave and Optical Technology Letters, 2003, 38, 504-506.	1.4	0