Ming Tang

List of Publications by Year
in descending order

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452	5,401	117625	182427
papers	citations	34 h-index	51 g-index

453	453	453	3378
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Distributed shape sensing using Brillouin scattering in multi-core fibers. Optics Express, 2016, 24, 25211.	3.4	147
3	High-energy laser pulse with a submegahertz repetition rate from a passively mode-locked fiber laser. Optics Letters, 2009, 34, 1432.	3.3	91
4	Experimental demonstration of large capacity WSDM optical access network with multicore fibers and advanced modulation formats. Optics Express, 2015, 23, 10997.	3.4	77
5	Directional torsion and temperature discrimination based on a multicore fiber with a helical structure. Optics Express, 2018, 26, 544.	3.4	76
6	Design and fabrication of elliptical-core few-mode fiber for MIMO-less data transmission. Optics Letters, 2016, 41, 3058.	3.3	73
7	Fiber Bragg gratings in heterogeneous multicore fiber for directional bending sensing. Journal of Optics (United Kingdom), 2016, 18, 085705.	2.2	70
8	Highly sensitive strain sensor based on helical structure combined with Mach-Zehnder interferometer in multicore fiber. Scientific Reports, 2017, 7, 46633.	3.3	69
9	Security-Enhanced OFDM-PON Using Hybrid Chaotic System. IEEE Photonics Technology Letters, 2015, 27, 326-329.	2.5	66
10	Secure OFDM-PON System Based on Chaos and Fractional Fourier Transform Techniques. Journal of Lightwave Technology, 2014, 32, 2629-2635.	4.6	65
11	Few-mode fiber based Raman distributed temperature sensing. Optics Express, 2017, 25, 4907.	3.4	63
12	Real-Time Demonstration of Homodyne Coherent Bidirectional Transmission for Next-Generation Data Center Interconnects. Journal of Lightwave Technology, 2021, 39, 1231-1238.	4.6	62
13	High-energy wave-breaking-free pulse from allfiber mode-locked laser system. Optics Express, 2009, 17, 7222.	3.4	61
14	Tunable terahertz-wave generation from DAST crystal pumped by a monolithic dual-wavelength fiber laser. Optics Express, 2011, 19, 779.	3.4	61
15	Nonlinear Fourier transform enabled eigenvalue spectrum investigation for fiber laser radiation. Photonics Research, 2021, 9, 1531.	7.0	60
16	Simplified Hollow-Core Fiber-Based Fabryâ€“Perot Interferometer With Modified Vernier Effect for Highly Sensitive High-Temperature Measurement. IEEE Photonics Journal, 2015, 7, 1-10.	2.0	57
17	Heterogeneous all-solid multicore fiber based multipath Michelson interferometer for high temperature sensing. Optics Express, 2016, 24, 20210.	3.4	55
18	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

#	Article	IF	Citations
19	Comparison of Coherent and IMDD Transceivers for Intra Datacenter Optical Interconnects. , 2019, , .		52
20	Performance-Enhanced Direct Detection Optical OFDM Transmission With CAZAC Equalization. IEEE Photonics Technology Letters, 2015, 27, 1507-1510.	2.5	51
21	Photonic ultrawideband monocycle pulse generation using a single electro-optic modulator. Optics Letters, 2008, 33, 288.	3.3	50
22	Polarization-maintaining few mode fiber composed of a central circular-hole and an elliptical-ring core. Photonics Research, 2017, 5, 261.	7.0	47
23	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
24	Distributed multicore fiber sensors. Opto-Electronic Advances, 2020, 3, 19002401-19002417.	13.3	47
25	Scalar-vector soliton fiber laser mode-locked by nonlinear polarization rotation. Optics Express, 2016, 24, 18764.	3.4	46
26	Distributed Brillouin frequency shift extraction via a convolutional neural network. Photonics Research, 2020, 8, 690.	7.0	46
27	Spatial-Division Multiplexed Machâ€“Zehnder Interferometers in Heterogeneous Multicore Fiber for Multiparameter Measurement. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	44
28	RF-pilot aided modulation format identification for hitless coherent transceiver. Optics Express, 2017, 25, 463.	3.4	44
29	2 Ã— 64 Gb/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
30	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
31	Ultra-wideband pulse generation with flexible pulse shape and polarity control using a Sagnac-interferometer-based intensity modulator. Optics Express, 2007, 15, 18156.	3.4	37
32	Few-mode multicore fiber enabled integrated Mach-Zehnder interferometers for temperature and strain discrimination. Optics Express, 2018, 26, 15332.	3.4	37
33	An Ultra-Sensitive Magnetic Field Sensor Based on Extrinsic Fiber-Optic Fabryâ€“Perot Interferometer and Terfenol-D. Journal of Lightwave Technology, 2015, 33, 3332-3337.	4.6	36
34	Spatial-division multiplexed hybrid Raman and Brillouin optical time-domain reflectometry based on multi-core fiber. Optics Express, 2016, 24, 25111.	3.4	36
35	Towards large dynamic range and ultrahigh measurement resolution in distributed fiber sensing based on multicore fiber. Optics Express, 2017, 25, 20183.	3.4	36
36	Modulation format identification enabled by the digital frequency-offset loading technique for hitless coherent transceiver. Optics Express, 2018, 26, 7288.	3.4	36

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37	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
38	Achievable information rate enhancement of visible light communication using probabilistically shaped OFDM modulation. Optics Express, 2018, 26, 367.	3.4	34
39	Interference fading suppression in Ï†-OTDR using space-division multiplexed probes. Optics Express, 2021, 29, 15452.	3.4	34
40	An Electrooptic Chaotic System Based on a Hybrid Feedback Loop. Journal of Lightwave Technology, 2018, 36, 4259-4266.	4.6	33
41	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
42	Semiconductor-laser-based hybrid chaos source and its application in secure key distribution. Optics Letters, 2019, 44, 2605.	3.3	33
43	Experimental investigation of inter-core crosstalk tolerance of MIMO-OFDM/OQAM radio over multicore fiber system. Optics Express, 2016, 24, 13418.	3.4	32
44	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
45	Toward Terabit Digital Radio over Fiber Systems: Architecture and Key Technologies. IEEE Communications Magazine, 2019, 57, 131-137.	6.1	32
46	Composite THz materials using aligned metallic and semiconductor microwires, experiments and interpretation. Optics Express, 2010, 18, 24632.	3.4	31
47	High speed single-wavelength modulation and transmission at 2 Î¼m under bandwidth-constrained condition. Optics Express, 2017, 25, 4528.	3.4	31
48	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
49	Real-time 100 Gbps/Î»/core NRZ and EDB IM/DD transmission over multicore fiber for intra-datacenter communication networks. Optics Express, 2018, 26, 10519.	3.4	31
50	Transfer learning simplified multi-task deep neural network for PDM-64QAM optical performance monitoring. Optics Express, 2020, 28, 7607.	3.4	31
51	Radial basis function neural network enabled C-band 4â€‰Ã—â€‰50â€‰â€‰Gb/s PAM-4 transmission over 80â€‰â€‰km SSMF. Optics Letters, 2018, 43, 3542.	3.3	31
52	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
53	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
54	Fractional Fourier Transformation-Based Blind Chromatic Dispersion Estimation for Coherent Optical Communications. Journal of Lightwave Technology, 2016, 34, 2371-2380.	4.6	29

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55	Spatial-division multiplexed Brillouin distributed sensing based on a heterogeneous multicore fiber. Optics Letters, 2017, 42, 171.	3.3	29
56	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
57	High-Performance Raman Distributed Temperature Sensing Powered by Deep Learning. Journal of Lightwave Technology, 2021, 39, 654-659.	4.6	29
58	Joint OSNR and CD monitoring in digital coherent receiver using long short-term memory neural network. Optics Express, 2019, 27, 6936.	3.4	29
59	Study of water concentration measurement in thin tissues with terahertz-wave parametric source. Optics Express, 2010, 18, 15504.	3.4	28
60	Few-mode fiber based distributed curvature sensor through quasi-single-mode Brillouin frequency shift. Optics Letters, 2016, 41, 1514.	3.3	28
61	Nyquist WDM superchannel using offset-16QAM and receiver-side digital spectral shaping. Optics Express, 2014, 22, 17448.	3.4	27
62	Modulation-format-free and automatic bias control for optical IQ modulators based on dither-correlation detection. Optics Express, 2017, 25, 9333.	3.4	27
63	Investigation of channel model for weakly coupled multicore fiber. Optics Express, 2018, 26, 5182.	3.4	27
64	Simultaneous Multichannel Photonic Up-Conversion Based on Nonlinear Polarization Rotation of an SOA for Radio-Over-Fiber Systems. IEEE Photonics Technology Letters, 2009, 21, 563-565.	2.5	26
65	BOTDA using channel estimation with direct-detection optical OFDM technique. Optics Express, 2017, 25, 12698.	3.4	26
66	Few-mode optical fiber based simultaneously distributed curvature and temperature sensing. Optics Express, 2017, 25, 12722.	3.4	26
67	Dispersion-Tolerant DDO-OFDM System and Simplified Adaptive Modulation Scheme Using CAZAC Precoding. Journal of Lightwave Technology, 2016, 34, 2743-2751.	4.6	25
68	Switchable thulium-doped fiber laser from polarization rotation vector to scalar soliton. Scientific Reports, 2016, 6, 34844.	3.3	24
69	Photonic Polarity-Switchable Ultra-Wideband Pulse Generation Using a Tunable Sagnac Interferometer Comb Filter. IEEE Photonics Technology Letters, 2008, 20, 1320-1322.	2.5	23
70	Dual-wavelength single-crystal double-pass KTP optical parametric oscillator and its application in terahertz wave generation. Optics Letters, 2010, 35, 1698.	3.3	23
71	Temperature-insensitive fiber twist sensor based on elliptical-core few-mode fiber. Optics Letters, 2016, 41, 4617.	3.3	23
72	Distributed curvature sensing based on a bending loss-resistant ring-core fiber. Photonics Research, 2020, 8, 165.	7.0	23

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73	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
74	Secure Strategy for OFDM-PON Using Digital Chaos Algorithm With Fixed-Point Implementation. Journal of Lightwave Technology, 2018, 36, 4826-4833.	4.6	22
75	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
76	Novel design of N-dimensional CAP filters for 10â€‰â€‰Gb/s CAP-PON system. Optics Letters, 2015, 40, 2409.	3.3	21
77	Joint carrier phase and frequency-offset estimation with parallel implementation for dual-polarization coherent receiver. Optics Express, 2017, 25, 5217.	3.4	21
78	Enabling Simultaneous DAS and DTS Through Space-Division Multiplexing Based on Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5707-5713.	4.6	21
79	Single-frequency 1060 nm semiconductor-optical-amplifier-based fiber laser with 40 nm tuning range. Optics Letters, 2009, 34, 2204.	3.3	20
80	Analytical Investigation on Self-Homodyne Coherent System Based on Few-Mode Fiber. IEEE Photonics Technology Letters, 2014, 26, 74-77.	2.5	20
81	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
82	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
83	Multimode fiber spectrometer with scalable bandwidth using space-division multiplexing. AIP Advances, 2019, 9, .	1.3	20
84	An Image Encryption Scheme Based on Hybrid Electro-Optic Chaotic Sources and Compressive Sensing. IEEE Access, 2019, 7, 156582-156591.	4.2	20
85	Robust in-fiber spatial interferometer using multicore fiber for vibration detection. Optics Express, 2018, 26, 29629.	3.4	20
86	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
87	Feed-forward carrier phase recovery for offset-QAM Nyquist WDM transmission. Optics Express, 2015, 23, 6215.	3.4	19
88	Modulation format identification aided hitless flexible coherent transceiver. Optics Express, 2016, 24, 15642.	3.4	19
89	Experimental Demonstration of Bidirectional OFDM/OQAM-MIMO Signal Over a Multicore Fiber System. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	19
90	High-frequency reverse-time chaos generation using an optical matched filter. Optics Letters, 2016, 41, 1157.	3.3	19

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91	An Optically Coupled Electro-Optic Chaos System With Suppressed Time-Delay Signature. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	19
92	Feed-forward frequency offset estimation for 32-QAM optical coherent detection. Optics Express, 2017, 25, 8828.	3.4	19
93	Performance enhanced DDO-OFDM system with adaptively partitioned precoding and single sideband modulation. Optics Express, 2017, 25, 23093.	3.4	19
94	Panda type elliptical core few-mode fiber. APL Photonics, 2019, 4, 022901.	5.7	19
95	High-Speed PAM4-Based Optical SDM Interconnects With Directly Modulated Long-Wavelength VCSEL. Journal of Lightwave Technology, 2019, 37, 356-362.	4.6	19
96	Parallel Fabry-Perot interferometers fabricated on multicore-fiber for temperature and strain discriminative sensing. Optics Express, 2020, 28, 3190.	3.4	19
97	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
98	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
99	Demonstration of high precision 3D indoor positioning system based on two-layer ANN machine learning technique. , 2019, , .		18
100	Advances in Multicore Fiber Grating Sensors. Photonics, 2022, 9, 381.	2.0	18
101	Measurement errors induced by deformation of optical axes of achromatic waveplate retarders in RRFP Stokes polarimeters. Optics Express, 2012, 20, 26649.	3.4	17
102	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
103	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
104	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
105	Panda Type Few-Mode Fiber Capable of Both Mode Profile and Polarization Maintenance. Journal of Lightwave Technology, 2018, 36, 5780-5785.	4.6	17
106	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
107	Modulation format identification assisted by sparse-fast-Fourier-transform for hitless flexible coherent transceivers. Optics Express, 2019, 27, 7072.	3.4	17
108	Amplifier-free 4Ã—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

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109	Pump RIN-induced impairments in unrepeatered transmission systems using distributed Raman amplifier. Optics Express, 2015, 23, 11838.	3.4	16
110	Novel dual-loop optoelectronic oscillator based on self-polarization-stabilization technique. Optics Express, 2017, 25, 21993.	3.4	16
111	Digital Domain Power Division Multiplexed Dual Polarization Coherent Optical OFDM Transmission. Scientific Reports, 2018, 8, 15827.	3.3	16
112	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
113	Relative phase noise estimation and mitigation in Raman amplified coherent optical communication system. Optics Express, 2014, 22, 1257.	3.4	15
114	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
115	Experimental demonstration of a 10â€‰â€‰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
116	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
117	All-fiber spatial rotation manipulation for radially asymmetric modes. Scientific Reports, 2017, 7, 2539.	3.3	15
118	Laser linewidth tolerance for nonlinear frequency division multiplexing transmission with discrete spectrum modulation. Optics Express, 2020, 28, 9642.	3.4	15
119	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
120	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
121	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
122	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
123	Spatially Arrayed Long Period Gratings in Multicore Fiber by Programmable Electrical Arc Discharge. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	14
124	Frequency Offset Estimation for 32-QAM Based on Constellation Rotation. IEEE Photonics Technology Letters, 2017, 29, 2115-2118.	2.5	14
125	Fiber optics frequency comb enabled linear optical sampling with operation wavelength range extension. Optics Letters, 2018, 43, 439.	3.3	14
126	Nonlinearity Tolerant High-Speed DMT Transmission With 1.5-<italic>Î¼</italic>m Single-Mode VCSEL and Multi-Core Fibers for Optical Interconnects. Journal of Lightwave Technology, 2019, 37, 380-388.	4.6	14

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127	Improving the Spatial Resolution of a BOTDA Sensor Using Deconvolution Algorithm. Journal of Lightwave Technology, 2021, 39, 2215-2222.	4.6	14
128	Femtosecond laser enabled selective micro-holes drilling on the multicore-fiber facet for displacement sensor application. Optics Express, 2019, 27, 10777.	3.4	14
129	A Low-Complexity Adaptive Equalizer for Digital Coherent Short-Reach Optical Transmission Systems. , 2019, , .		14
130	Design, fabrication, and characterization of a highly nonlinear few-mode fiber. Photonics Research, 2019, 7, 1354.	7.0	14
131	All-Fiber Tunable LP₁₁Mode Rotator With 360Â° Range. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	13
132	End-View Image Processing Based Angle Alignment Techniques for Specialty Optical Fibers. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	13
133	Experimental demonstration of high spectral efficient 4 Ã— 4 MIMO SCMA-OFDM/OQAM radio over multi-core fiber system. Optics Express, 2017, 25, 18431.	3.4	13
134	8 Ã— 10 Gb/s Downstream PAM-4 Transmission for Cost-Effective Coherent WDM-PON Application. Journal of Lightwave Technology, 2021, 39, 2837-2846.	4.6	13
135	Long-period fiber gratings inscribed in few-mode fibers for discriminative determination. Optics Express, 2019, 27, 26307.	3.4	13
136	Digital chromatic dispersion pre-management enabled single-lane 112â€‰â€‰Gb/s PAM-4 signal transmission over 80â€‰â€‰km SSMF. Optics Letters, 2018, 43, 1495.	3.3	13
137	24 km High-Performance Raman Distributed Temperature Sensing Using Low Water Peak Fiber and Optimized Denoising Neural Network. Sensors, 2022, 22, 2139.	3.8	13
138	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
139	Fiber-optic parametric amplifier and oscillator based on intracavity parametric pump technique. Optics Letters, 2009, 34, 214.	3.3	12
140	Switchable Dual-Wavelength Mode-Locking of Thulium-Doped Fiber Laser Based on SWNTs. IEEE Photonics Technology Letters, 2016, 28, 2019-2022.	2.5	12
141	Training Symbol Assisted in-Band OSNR Monitoring Technique for PDM-CO-OFDM System. Journal of Lightwave Technology, 2017, 35, 1551-1556.	4.6	12
142	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
143	Hardware Efficient Adaptive Equalizer for Coherent Short-Reach Optical Interconnects. IEEE Photonics Technology Letters, 2019, 31, 1249-1252.	2.5	12
144	Biased Balance Detection for Fiber Optical Frequency Comb Based Linear Optical Sampling. Journal of Lightwave Technology, 2021, 39, 3458-3465.	4.6	12

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145	Harnessing oversampling in correlation-coded OTDR. Optics Express, 2019, 27, 1693.	3.4	12
146	Ultra-Low Crosstalk Fused Taper Type Fan-in/Fan-out Devices for Multicore Fibers. , 2019, , .		12
147	Genetic algorithm assisted bridge fiber design and fabrication for few-mode multi-core fiber Fan-in/Fan-out device. Optics Express, 2022, 30, 19042.	3.4	12
148	Experimental demonstration of polarization multiplexing for simultaneously providing broadband wireless and wired access. Optics Communications, 2008, 281, 2806-2810.	2.1	11
149	A fast and robust blind chromatic dispersion estimation based on fractional fourier transformation. , 2015, , .		11
150	Mode-dependent characteristics of Rayleigh backscattering in weakly-coupled few-mode fiber. Optics Communications, 2015, 346, 15-20.	2.1	11
151	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
152	Geometric shaping optimization of 64-APSK constellation in discrete nonlinear frequency division multiplexing systems. Optics Letters, 2021, 46, 3368.	3.3	11
153	Enabling long range distributed vibration sensing using multicore fiber interferometers. Optics Letters, 2021, 46, 3685.	3.3	11
154	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
155	Design of elliptical-core five-mode group selective photonic lantern over the C-band. Optics Express, 2019, 27, 27979.	3.4	11
156	Microwave photonic RF front-end for co-frequency co-time full duplexâ€‰5G communication with integrated RF signal self-interference cancellation, optoelectronic oscillator and frequency down-conversion. Optics Express, 2019, 27, 32147.	3.4	11
157	Optical Multipath Interference Mitigation for High-Speed PAM4 IMDD Transmission System. Journal of Lightwave Technology, 2022, 40, 5490-5501.	4.6	11
158	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
159	Experimental Demonstration of Nonlinearity and Phase Noise Tolerant 16-QAM OFDM W-Band (75â€“110) Tj ETQq1 1 0.784314 rgB	4.6	10
160	Mode-dependent characterization of photonic lanterns. Optics Letters, 2016, 41, 2302.	3.3	10
161	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
162	Impact of Sampling Source Repetition Frequency in Linear Optical Sampling. IEEE Photonics Technology Letters, 2016, 28, 15-18.	2.5	10

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163	Characterization and Optimization of Unrepeatered Coherent Transmission Systems Using DRA and ROPA. Journal of Lightwave Technology, 2017, 35, 1830-1836.	4.6	10
164	Physical-layer network coding for passive optical interconnect in datacenter networks. Optics Express, 2017, 25, 17788.	3.4	10
165	All-fiber polarization manipulation for high-order LP modes with mode profile maintenance. Optics Express, 2017, 25, 18197.	3.4	10
166	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
167	Design of highly mode group selective photonic lanterns with geometric optimization. Applied Optics, 2018, 57, 7065.	1.8	10
168	Filtering Tolerant Digital Subcarrier Multiplexing System with Flexible Bit and Power Loading. , 2017, , .		10
169	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
170	Performance enhancement of ROTDR using deep convolutional neural networks. , 2018, , .		10
171	Maximum probability directed blind phase search for PS-QAM with variable shaping factors. Optics Express, 2022, 30, 550.	3.4	10
172	Instantaneous microwave frequency measurement using optical carrier suppression based DC power monitoring. Optics Express, 2011, 19, 24712.	3.4	9
173	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
174	All-optical non-conjugated wavelength multicasting of QPSK signal with capability of phase regeneration. Optics Express, 2014, 22, 22996.	3.4	9
175	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
176	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
177	Low complexity split digital backpropagation for digital subcarrier-multiplexing optical transmissions. Optics Express, 2017, 25, 27824.	3.4	9
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