

Fu Songnian

List of Publications by Year in descending order

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420
papers

6,791
citations

87888

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149698

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421
all docs

421
docs citations

421
times ranked

3983
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance comparison of different modulation formats over free-space optical (FSO) turbulence links with space diversity reception technique. IEEE Photonics Journal, 2009, 1, 277-285.	2.0	156
2	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
3	Ultrawideband monocycle generation using cross-phase modulation in a semiconductor optical amplifier. Optics Letters, 2007, 32, 1223.	3.3	107
4	High-energy laser pulse with a submegahertz repetition rate from a passively mode-locked fiber laser. Optics Letters, 2009, 34, 1432.	3.3	91
5	Ultrafast All-Optical Signal Processing Based on Single Semiconductor Optical Amplifier and Optical Filtering. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 770-778.	2.9	81
6	Inverse-designed single-step-etched colorless 3â€‰dB couplers based on RIE-lag-insensitive PhC-like subwavelength structures. Optics Letters, 2016, 41, 5051.	3.3	79
7	Experimental demonstration of large capacity WSDM optical access network with multicore fibers and advanced modulation formats. Optics Express, 2015, 23, 10997.	3.4	77
8	Directional torsion and temperature discrimination based on a multicore fiber with a helical structure. Optics Express, 2018, 26, 544.	3.4	76
9	Instantaneous Microwave Frequency Measurement Using Photonic Technique. IEEE Photonics Technology Letters, 2009, 21, 1069-1071.	2.5	75
10	Soliton Distillation of Pulses From a Fiber Laser. Journal of Lightwave Technology, 2021, 39, 2542-2546.	4.6	74
11	Design and fabrication of elliptical-core few-mode fiber for MIMO-less data transmission. Optics Letters, 2016, 41, 3058.	3.3	73
12	Fiber Bragg gratings in heterogeneous multicore fiber for directional bending sensing. Journal of Optics (United Kingdom), 2016, 18, 085705.	2.2	70
13	Highly sensitive strain sensor based on helical structure combined with Mach-Zehnder interferometer in multicore fiber. Scientific Reports, 2017, 7, 46633.	3.3	69
14	Security-Enhanced OFDM-PON Using Hybrid Chaotic System. IEEE Photonics Technology Letters, 2015, 27, 326-329.	2.5	66
15	Photonic-assisted microwave frequency measurement with higher resolution and tunable range. Optics Letters, 2009, 34, 743.	3.3	65
16	Secure OFDM-PON System Based on Chaos and Fractional Fourier Transform Techniques. Journal of Lightwave Technology, 2014, 32, 2629-2635.	4.6	65
17	Few-mode fiber based Raman distributed temperature sensing. Optics Express, 2017, 25, 4907.	3.4	63
18	Nonlinear equalization based on pruned artificial neural networks for 112-Gb/s SSB-PAM4 transmission over 80-km SSMF. Optics Express, 2018, 26, 10631.	3.4	62

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19	Photonic measurement of microwave frequency based on phase modulation. Optics Express, 2009, 17, 7217.	3.4	61
20	Transmission of 2 \times 56 Gb/s PAM-4 signal over 100 km SSMF using 18 GHz DMLs. Optics Letter 1805.	3.3	61
21	Nonlinear Fourier transform enabled eigenvalue spectrum investigation for fiber laser radiation. Photonics Research, 2021, 9, 1531.	7.0	60
22	Heterogeneous all-solid multicore fiber based multipath Michelson interferometer for high temperature sensing. Optics Express, 2016, 24, 20210.	3.4	55
23	Plasmon-Induced Transparency and Refractive Index Sensing in Side-Coupled Stub-Hexagon Resonators. Plasmonics, 2018, 13, 251-257.	3.4	55
24	All-solid multi-core fiber-based multipath Mach-Zehnder interferometer for temperature sensing. Applied Physics B: Lasers and Optics, 2013, 112, 491-497.	2.2	52
25	Comparison of Coherent and IMDD Transceivers for Intra Datacenter Optical Interconnects. , 2019, , .		52
26	Performance-Enhanced Direct Detection Optical OFDM Transmission With CAZAC Equalization. IEEE Photonics Technology Letters, 2015, 27, 1507-1510.	2.5	51
27	Photonic ultrawideband monocycle pulse generation using a single electro-optic modulator. Optics Letters, 2008, 33, 288.	3.3	50
28	40 Gb/s all-optical NRZ to RZ format conversion using single SOA assisted by optical bandpass filter. Optics Express, 2007, 15, 2907.	3.4	48
29	High-performance polarization management devices based on thin-film lithium niobate. Light: Science and Applications, 2022, 11, 93.	16.6	48
30	Polarization-maintaining few mode fiber composed of a central circular-hole and an elliptical-ring core. Photonics Research, 2017, 5, 261.	7.0	47
31	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
32	Scalar-vector soliton fiber laser mode-locked by nonlinear polarization rotation. Optics Express, 2016, 24, 18764.	3.4	46
33	Group-velocity-locked vector soliton molecules in fiber lasers. Scientific Reports, 2017, 7, 2369.	3.3	46
34	Distributed Brillouin frequency shift extraction via a convolutional neural network. Photonics Research, 2020, 8, 690.	7.0	46
35	Spatial-Division Multiplexed Mach-Zehnder Interferometers in Heterogeneous Multicore Fiber for Multiparameter Measurement. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	44
36	RF-pilot aided modulation format identification for hitless coherent transceiver. Optics Express, 2017, 25, 463.	3.4	44

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37	2 Å— 64 Gb/s PAM-4 transmission over 70 km SSMF using O-band 18G-class directly modulated lasers (DMLs). <i>Optics Express</i> , 2017, 25, 7230.	3.4	44
38	Real-Time Denoising of Brillouin Optical Time Domain Analyzer With High Data Fidelity Using Convolutional Neural Networks. <i>Journal of Lightwave Technology</i> , 2019, 37, 2648-2653.	4.6	43
39	A Wavelength-Switchable Passively Harmonically Mode-Locked Fiber Laser With Low Pumping Threshold Using Single-Walled Carbon Nanotubes. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 754-756.	2.5	39
40	Nonlinear Polarization Rotation in Semiconductor Optical Amplifiers With Linear Polarization Maintenance. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1931-1933.	2.5	38
41	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
42	Efficient spot size converter for higher-order mode fiber-chip coupling. <i>Optics Letters</i> , 2017, 42, 3702.	3.3	37
43	Few-mode multicore fiber enabled integrated Mach-Zehnder interferometers for temperature and strain discrimination. <i>Optics Express</i> , 2018, 26, 15332.	3.4	37
44	Instantaneous Microwave Frequency Measurement Based on Amplified Fiber-Optic Recirculating Delay Loop and BroadBand Incoherent Light Source. <i>Journal of Lightwave Technology</i> , 2011, 29, 78-84.	4.6	36
45	An Ultra-Sensitive Magnetic Field Sensor Based on Extrinsic Fiber-Optic Fabry-Perot Interferometer and Terfenol-D. <i>Journal of Lightwave Technology</i> , 2015, 33, 3332-3337.	4.6	36
46	Spatial-division multiplexed hybrid Raman and Brillouin optical time-domain reflectometry based on multi-core fiber. <i>Optics Express</i> , 2016, 24, 25111.	3.4	36
47	Towards large dynamic range and ultrahigh measurement resolution in distributed fiber sensing based on multicore fiber. <i>Optics Express</i> , 2017, 25, 20183.	3.4	36
48	Modulation format identification enabled by the digital frequency-offset loading technique for hitless coherent transceiver. <i>Optics Express</i> , 2018, 26, 7288.	3.4	36
49	Multicore-Fiber-Enabled WSDM Optical Access Network With Centralized Carrier Delivery and RSOA-Based Adaptive Modulation. <i>IEEE Photonics Journal</i> , 2015, 7, 1-9.	2.0	35
50	Single SOA based all-optical adder assisted by optical bandpass filter: Theoretical analysis and performance optimization. <i>Optics Communications</i> , 2007, 270, 238-246.	2.1	34
51	Observation of timing jitter reduction induced by spectral filtering in a fiber laser mode locked with a carbon nanotube-based saturable absorber. <i>Optics Letters</i> , 2010, 35, 2320.	3.3	34
52	Tunable Multi-Tap Bandpass Microwave Photonic Filter Using a Windowed Fabry-Perot Filter-Based Multi-Wavelength Tunable Laser. <i>Journal of Lightwave Technology</i> , 2011, 29, 3381-3386.	4.6	34
53	Achievable information rate enhancement of visible light communication using probabilistically shaped OFDM modulation. <i>Optics Express</i> , 2018, 26, 367.	3.4	34
54	Compact double-part grating coupler for higher-order mode coupling. <i>Optics Letters</i> , 2018, 43, 3172.	3.3	34

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55	Vector solitons in a laser passively mode-locked by single-wall carbon nanotubes. Optics Communications, 2011, 284, 2007-2011.	2.1	33
56	Broadband On-Chip Mode-Division Multiplexer Based on Adiabatic Couplers and Symmetric Y-Junction. IEEE Photonics Journal, 2017, 9, 1-6.	2.0	33
57	An Electrooptic Chaotic System Based on a Hybrid Feedback Loop. Journal of Lightwave Technology, 2018, 36, 4259-4266.	4.6	33
58	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
59	Semiconductor-laser-based hybrid chaos source and its application in secure key distribution. Optics Letters, 2019, 44, 2605.	3.3	33
60	Experimental investigation of inter-core crosstalk tolerance of MIMO-OFDM/OQAM radio over multicore fiber system. Optics Express, 2016, 24, 13418.	3.4	32
61	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
62	Toward Terabit Digital Radio over Fiber Systems: Architecture and Key Technologies. IEEE Communications Magazine, 2019, 57, 131-137.	6.1	32
63	Time-Delay Concealment in a Three-Dimensional Electro-Optic Chaos System. IEEE Photonics Technology Letters, 2015, 27, 1030-1033.	2.5	31
64	High speed single-wavelength modulation and transmission at 2 μ m under bandwidth-constrained condition. Optics Express, 2017, 25, 4528.	3.4	31
65	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
66	Real-time 100 Gbps/core NRZ and EDB IM/DD transmission over multicore fiber for intra-datacenter communication networks. Optics Express, 2018, 26, 10519.	3.4	31
67	Transfer learning simplified multi-task deep neural network for PDM-64QAM optical performance monitoring. Optics Express, 2020, 28, 7607.	3.4	31
68	Radial basis function neural network enabled C-band 400-Gb/s PAM-4 transmission over 80-km SSMF. Optics Letters, 2018, 43, 3542.	3.3	31
69	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
70	Fractional Fourier Transformation-Based Blind Chromatic Dispersion Estimation for Coherent Optical Communications. Journal of Lightwave Technology, 2016, 34, 2371-2380.	4.6	29
71	Single-Lane 112-Gbit/s SSB-PAM4 Transmission With Dual-Drive MZM and Kramer's Kronig Detection Over 80-km SSMF. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	29
72	Spatial-division multiplexed Brillouin distributed sensing based on a heterogeneous multicore fiber. Optics Letters, 2017, 42, 171.	3.3	29

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73	Long Short-Term Memory Neural Network (LSTM-NN) Enabled Accurate Optical Signal-to-Noise Ratio (OSNR) Monitoring. <i>Journal of Lightwave Technology</i> , 2019, 37, 4140-4146.	4.6	29
74	Joint OSNR and CD monitoring in digital coherent receiver using long short-term memory neural network. <i>Optics Express</i> , 2019, 27, 6936.	3.4	29
75	Experimental demonstration of both inverted and non-inverted wavelength conversion based on transient cross phase modulation of SOA. <i>Optics Express</i> , 2006, 14, 7587.	3.4	28
76	All-optical spectral linewidth reduction of lasers for coherent optical communication. <i>Optics Letters</i> , 2013, 38, 5220.	3.3	28
77	Few-mode fiber based distributed curvature sensor through quasi-single-mode Brillouin frequency shift. <i>Optics Letters</i> , 2016, 41, 1514.	3.3	28
78	Nyquist WDM superchannel using offset-16QAM and receiver-side digital spectral shaping. <i>Optics Express</i> , 2014, 22, 17448.	3.4	27
79	Modulation-format-free and automatic bias control for optical IQ modulators based on dither-correlation detection. <i>Optics Express</i> , 2017, 25, 9333.	3.4	27
80	Investigation of channel model for weakly coupled multicore fiber. <i>Optics Express</i> , 2018, 26, 5182.	3.4	27
81	Robust chaotic-shift-keying scheme based on electro-optical hybrid feedback system. <i>Optics Express</i> , 2020, 28, 10847.	3.4	27
82	Photonic Monocycle Pulse Frequency Up-Conversion for Ultrawideband-Over-Fiber Applications. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1006-1008.	2.5	26
83	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
84	BOTDA using channel estimation with direct-detection optical OFDM technique. <i>Optics Express</i> , 2017, 25, 12698.	3.4	26
85	Few-mode optical fiber based simultaneously distributed curvature and temperature sensing. <i>Optics Express</i> , 2017, 25, 12722.	3.4	26
86	Wavelength-Tunable High-Energy All-Normal-Dispersion Yb-Doped Mode-Locked All-Fiber Laser With a HiBi Fiber Sagnac Loop Filter. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 198-203.	1.9	25
87	Slot Spiral Silicon Photonic Crystal Fiber With Property of Both High Birefringence and High Nonlinearity. <i>IEEE Photonics Journal</i> , 2014, 6, 1-7.	2.0	25
88	Dispersion-Tolerant DDO-OFDM System and Simplified Adaptive Modulation Scheme Using CAZAC Precoding. <i>Journal of Lightwave Technology</i> , 2016, 34, 2743-2751.	4.6	25
89	Simultaneous multi-channel CMW-band and MMW-band UWB monocycle pulse generation using FWM effect in a highly nonlinear photonic crystal fiber. <i>Optics Express</i> , 2010, 18, 15870.	3.4	24
90	Switchable thulium-doped fiber laser from polarization rotation vector to scalar soliton. <i>Scientific Reports</i> , 2016, 6, 34844.	3.3	24

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91	MDM transmission of CAP-16 signals over 11-km anti-bending trench-assisted elliptical-core few-mode fiber in passive optical networks. <i>Optics Express</i> , 2017, 25, 22991.	3.4	24
92	32 Gb/s physical-layer secure optical communication over 200-km based on temporal dispersion and self-feedback phase encryption. <i>Optics Letters</i> , 2022, 47, 913.	3.3	24
93	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
94	Temperature-insensitive fiber twist sensor based on elliptical-core few-mode fiber. <i>Optics Letters</i> , 2016, 41, 4617.	3.3	23
95	64-Gb/s SSB-PAM4 Transmission Over 120-km Dispersion-Uncompensated SSMF With Blind Nonlinear Equalization, Adaptive Noise-Whitening Postfilter and MLSD. <i>Journal of Lightwave Technology</i> , 2017, 35, 5193-5200.	4.6	23
96	Distributed curvature sensing based on a bending loss-resistant ring-core fiber. <i>Photonics Research</i> , 2020, 8, 165.	7.0	23
97	Design of SOA-based dual-loop optical buffer with a 3 /spl times/ 3 collinear coupler: guideline and optimizations. <i>Journal of Lightwave Technology</i> , 2006, 24, 2768-2778.	4.6	22
98	All-Optical NRZ-DPSK Clock Recovery Using Chromatic-Dispersion-Induced Clock Tone. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 925-927.	2.5	22
99	Photonic RF Phase Shifter Based on a Vector-Sum Technique Using Stimulated Brillouin Scattering in Dispersion Shifted Fiber. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010, 58, 3206-3212.	4.6	22
100	Temperature compensated magnetic field sensing using dual S-bend structured optical fiber modal interferometer cascaded with fiber Bragg grating. <i>Optics Express</i> , 2014, 22, 27515.	3.4	22
101	Secure Strategy for OFDM-PON Using Digital Chaos Algorithm With Fixed-Point Implementation. <i>Journal of Lightwave Technology</i> , 2018, 36, 4826-4833.	4.6	22
102	Single-photodiode 112-Gbit/s 16-QAM transmission over 960-km SSMF enabled by Kramers-Kronig detection and sparse I/Q Volterra filter. <i>Optics Express</i> , 2018, 26, 24564.	3.4	22
103	Advanced DSP Enabled C-Band 112 Gbit/s PAM-4 Transmissions With Severe Bandwidth-Constraint. <i>Journal of Lightwave Technology</i> , 2022, 40, 987-996.	4.6	22
104	Dual-state dissipative solitons from an all-normal-dispersion erbium-doped fiber laser: continuous wavelength tuning and multi-wavelength emission. <i>Optics Letters</i> , 2015, 40, 2684.	3.3	21
105	Novel design of N-dimensional CAP filters for 10-Gb/s CAP-PON system. <i>Optics Letters</i> , 2015, 40, 2409.	3.3	21
106	Joint carrier phase and frequency-offset estimation with parallel implementation for dual-polarization coherent receiver. <i>Optics Express</i> , 2017, 25, 5217.	3.4	21
107	Enabling Simultaneous DAS and DTS Through Space-Division Multiplexing Based on Multicore Fiber. <i>Journal of Lightwave Technology</i> , 2018, 36, 5707-5713.	4.6	21
108	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

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109	Nonlinear coupling of relative intensity noise from pump to a fiber ring laser mode-locked with carbon nanotubes. <i>Optics Express</i> , 2010, 18, 16663.	3.4	20
110	Analytical Investigation on Self-Homodyne Coherent System Based on Few-Mode Fiber. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 74-77.	2.5	20
111	Group velocity locked vector dissipative solitons in a high repetition rate fiber laser. <i>Optics Express</i> , 2016, 24, 18718.	3.4	20
112	Joint timing/frequency offset estimation and correction based on FrFT encoded training symbols for PDM CO-OFDM systems. <i>Optics Express</i> , 2016, 24, 28256.	3.4	20
113	Joint Time/Frequency Synchronization and Chromatic Dispersion Estimation With Low Complexity Based on a Superimposed FrFT Training Sequence. <i>IEEE Photonics Journal</i> , 2018, 10, 1-10.	2.0	20
114	An Image Encryption Scheme Based on Hybrid Electro-Optic Chaotic Sources and Compressive Sensing. <i>IEEE Access</i> , 2019, 7, 156582-156591.	4.2	20
115	Robust in-fiber spatial interferometer using multicore fiber for vibration detection. <i>Optics Express</i> , 2018, 26, 29629.	3.4	20
116	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. <i>Optics Express</i> , 2019, 27, 37286.	3.4	20
117	Feed-forward carrier phase recovery for offset-QAM Nyquist WDM transmission. <i>Optics Express</i> , 2015, 23, 6215.	3.4	19
118	Modulation format identification aided hitless flexible coherent transceiver. <i>Optics Express</i> , 2016, 24, 15642.	3.4	19
119	Experimental Demonstration of Bidirectional OFDM/OQAM-MIMO Signal Over a Multicore Fiber System. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	2.0	19
120	High-frequency reverse-time chaos generation using an optical matched filter. <i>Optics Letters</i> , 2016, 41, 1157.	3.3	19
121	An Optically Coupled Electro-Optic Chaos System With Suppressed Time-Delay Signature. <i>IEEE Photonics Journal</i> , 2017, 9, 1-9.	2.0	19
122	Feed-forward frequency offset estimation for 32-QAM optical coherent detection. <i>Optics Express</i> , 2017, 25, 8828.	3.4	19
123	Performance enhanced DDO-OFDM system with adaptively partitioned precoding and single sideband modulation. <i>Optics Express</i> , 2017, 25, 23093.	3.4	19
124	Panda type elliptical core few-mode fiber. <i>APL Photonics</i> , 2019, 4, 022901.	5.7	19
125	High-Speed PAM4-Based Optical SDM Interconnects With Directly Modulated Long-Wavelength VCSEL. <i>Journal of Lightwave Technology</i> , 2019, 37, 356-362.	4.6	19
126	Parallel Fabry-Perot interferometers fabricated on multicore-fiber for temperature and strain discriminative sensing. <i>Optics Express</i> , 2020, 28, 3190.	3.4	19

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127	Analytical Solution for SOA-Based All-Optical Wavelength Conversion Using Transient Cross-Phase Modulation. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 2554-2556.	2.5	18
128	SOA Nonlinear Polarization Rotation With Linear Polarization Maintenance: Characterization and Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 816-825.	2.9	18
129	Instantaneous Microwave Frequency Measurement Using Programmable Differential Group Delay (DGD) Modules. <i>IEEE Photonics Journal</i> , 2010, 2, 967-973.	2.0	18
130	Relative phase noise induced impairment in M-ary phase-shift-keying coherent optical communication system using distributed fiber Raman amplifier. <i>Optics Letters</i> , 2013, 38, 1055.	3.3	18
131	Photonic Generation of Frequency-Quadrupled Microwave Signal With Tunable Phase Shift. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 220-223.	2.5	18
132	Airy Beam for Free-Space Photonic Interconnection: Generation Strategy and Trajectory Manipulation. <i>Journal of Lightwave Technology</i> , 2020, 38, 6474-6480.	4.6	18
133	Overfitting effect of artificial neural network based nonlinear equalizer: from mathematical origin to transmission evolution. <i>Science China Information Sciences</i> , 2020, 63, 1.	4.3	18
134	An Enhanced SOA-Based Double-Loop Optical Buffer for Storage of Variable-Length Packet. <i>Journal of Lightwave Technology</i> , 2008, 26, 425-431.	4.6	17
135	Relative Phase Noise-Induced Phase Error and System Impairment in Pump Depletion/Nondepletion Regime. <i>Journal of Lightwave Technology</i> , 2014, 32, 2277-2286.	4.6	17
136	Space-division-multiplexed transmission of 3x3 multiple-input multiple-output wireless signals over conventional graded-index multimode fiber. <i>Optics Express</i> , 2016, 24, 28372.	3.4	17
137	Electro-optic chaotic system based on the reverse-time chaos theory and a nonlinear hybrid feedback loop. <i>Optics Express</i> , 2016, 24, 28804.	3.4	17
138	Panda Type Few-Mode Fiber Capable of Both Mode Profile and Polarization Maintenance. <i>Journal of Lightwave Technology</i> , 2018, 36, 5780-5785.	4.6	17
139	Investigation of DC-Biased Optical OFDM With Precoding Matrix for Visible Light Communications: Theory, Simulations, and Experiments. <i>IEEE Photonics Journal</i> , 2018, 10, 1-16.	2.0	17
140	Modulation format identification assisted by sparse-fast-Fourier-transform for hitless flexible coherent transceivers. <i>Optics Express</i> , 2019, 27, 7072.	3.4	17
141	Amplifier-free 4Å—96 Gb/s PAM8 transmission enabled by modified Volterra equalizer for short-reach applications using directly modulated lasers. <i>Optics Express</i> , 2019, 27, 17927.	3.4	17
142	Pump RIN-induced impairments in unrepeated transmission systems using distributed Raman amplifier. <i>Optics Express</i> , 2015, 23, 11838.	3.4	16
143	Novel dual-loop optoelectronic oscillator based on self-polarization-stabilization technique. <i>Optics Express</i> , 2017, 25, 21993.	3.4	16
144	Digital Domain Power Division Multiplexed Dual Polarization Coherent Optical OFDM Transmission. <i>Scientific Reports</i> , 2018, 8, 15827.	3.3	16

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145	Synchronized Random Bit Sequences Generation Based on Analog-Digital Hybrid Electro-Optic Chaotic Sources. <i>Journal of Lightwave Technology</i> , 2018, 36, 4995-5002.	4.6	16
146	Design of Ring-Core Few-Mode-EDFA With the Enhanced Saturation Input Signal Power and Low Differential Modal Gain. <i>IEEE Photonics Journal</i> , 2021, 13, 1-6.	2.0	16
147	Unveil the time delay signature of optical chaos systems with a convolutional neural network. <i>Optics Express</i> , 2020, 28, 15221.	3.4	16
148	Relative phase noise estimation and mitigation in Raman amplified coherent optical communication system. <i>Optics Express</i> , 2014, 22, 1257.	3.4	15
149	Characterization of Fiber Bragg Grating Inscribed in Few-Mode Silica-Germanate Fiber. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1908-1911.	2.5	15
150	Low-complexity feed-forward carrier phase estimation for M-ary QAM based on phase search acceleration by quadratic approximation. <i>Optics Express</i> , 2015, 23, 19142.	3.4	15
151	Experimental demonstration of a 10â€‰Gb/s non-orthogonal multi-dimensional CAP-PON system based on the ISI and CCI cancellation algorithm. <i>Optics Letters</i> , 2016, 41, 3988.	3.3	15
152	Simultaneous Suppression of Even-Order and Third-Order Distortions in Directly Modulated Analog Photonic Links. <i>IEEE Photonics Journal</i> , 2017, 9, 1-12.	2.0	15
153	All-fiber spatial rotation manipulation for radially asymmetric modes. <i>Scientific Reports</i> , 2017, 7, 2539.	3.3	15
154	Broadband Optical Reflection Modulator in Indium-Tin-Oxide-Filled Hybrid Plasmonic Waveguide with High Modulation Depth. <i>Plasmonics</i> , 2018, 13, 1309-1314.	3.4	15
155	10-W power light co-transmission with optically carried 5G NR signal over standard single-mode fiber. <i>Optics Letters</i> , 2021, 46, 5116.	3.3	15
156	Laser linewidth tolerance for nonlinear frequency division multiplexing transmission with discrete spectrum modulation. <i>Optics Express</i> , 2020, 28, 9642.	3.4	15
157	Low-complexity equalization scheme for suppressing FFE-enhanced in-band noise and ISI in 100 Gbps PAM4 optical IMDD system. <i>Optics Letters</i> , 2020, 45, 2555.	3.3	15
158	Optical curvature sensor with high resolution based on in-line fiber Mach-Zehnder interferometer and microwave photonic filter. <i>Optics Express</i> , 2022, 30, 5402.	3.4	15
159	Simultaneous implementation of all-optical OR and AND logic gates for NRZ/RZ/CSRZ ONâ€œOFF-keying signals. <i>Optics Communications</i> , 2010, 283, 349-354.	2.1	14
160	Comb Filter-Based Fiber-Optic Methane Sensor System With Mitigation of Cross Gas Sensitivity. <i>Journal of Lightwave Technology</i> , 2012, 30, 3103-3109.	4.6	14
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