

Fu Songnian

List of Publications by Year in descending order

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420
papers

6,791
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100601

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all docs

421
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421
times ranked

4572
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate OSNR monitoring based on data-augmentation-assisted DNN with a small-scale dataset. Optics Letters, 2022, 47, 130.	1.7	6
2	Advanced DSP Enabled C-Band 112 Gbit/s λ PAM-4 Transmissions With Severe Bandwidth-Constraint. Journal of Lightwave Technology, 2022, 40, 987-996.	2.7	22
3	Wavefront shaping for reconfigurable beam steering in lithium niobate multimode waveguide. Optics Letters, 2022, 47, 329.	1.7	2
4	A Hierarchical Modulation Enabled SNR Allocable Delta-Sigma Digital Mobile Fronthaul System. IEEE Photonics Journal, 2022, 14, 1-6.	1.0	8
5	Optical curvature sensor with high resolution based on in-line fiber Mach-Zehnder interferometer and microwave photonic filter. Optics Express, 2022, 30, 5402.	1.7	15
6	32 Gb/s physical-layer secure optical communication over 200km based on temporal dispersion and self-feedback phase encryption. Optics Letters, 2022, 47, 913.	1.7	24
7	Optically magnified dispersion of microwave signal with a wide flexible tunable range. Optics Letters, 2022, 47, 1057-1060.	1.7	3
8	Power-Over-Fiber in Support of 5G NR Fronthaul: Space Division Multiplexing Versus Wavelength Division Multiplexing. Journal of Lightwave Technology, 2022, 40, 4169-4177.	2.7	8
9	Robust wide-range chirp rate measurement based on a flexible photonic fractional Fourier transformer. Optics Express, 2022, 30, 7750.	1.7	6
10	Ultra-broadband LP ₁₁ mode converter with high purity based on long-period fiber grating and an integrated Y-junction. Optics Express, 2022, 30, 12751.	1.7	7
11	Nonlinear Fourier transform assisted high-order soliton characterization. New Journal of Physics, 2022, 24, 033039.	1.2	4
12	All-optical light manipulation based on graphene-embedded side-polished fiber. Optics Letters, 2022, 47, 1478.	1.7	7
13	Maximum probability directed blind phase search for PS-QAM with variable shaping factors. Optics Express, 2022, 30, 550.	1.7	10
14	High-performance polarization management devices based on thin-film lithium niobate. Light: Science and Applications, 2022, 11, 93.	7.7	48
15	C-band 200 Gbit/s λ PAM-4 transmission over 2-km SSMF using look-up-table pre-distortion combined with nonlinear Tomlinson-Harashima pre-coding. Optics Express, 2022, 30, 15416.	1.7	4
16	Machine Learning Assisted Ultra-Wideband Fiber-Optics Mode Selective Coupler Design. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-10.	1.9	2
17	Secure Transmission via IUI Engineering for IRS-Assisted NOMA Systems. IEEE Wireless Communications Letters, 2022, 11, 1369-1373.	3.2	5
18	Hardware-Efficient Blind Frequency Offset Estimation for Spectral-Efficient Digital Subcarrier Multiplexing Systems. Journal of Lightwave Technology, 2022, 40, 4246-4256.	2.7	4

#	ARTICLE	IF	CITATIONS
19	Optically powered 5G WDM fronthaul network with weakly-coupled multicore fiber. Optics Express, 2022, 30, 19795.	1.7	4
20	Transverse Kerker Effect for Dipole Sources. Physical Review Letters, 2022, 128, .	2.9	13
21	Physical secure key distribution based on chaotic self-carrier phase modulation and time-delayed shift keying of synchronized optical chaos. Optics Express, 2022, 30, 23953.	1.7	12
22	High spatial resolution fast Brillouin optical time-domain analysis enabled by frequency-agility digital optical frequency comb. Optics Letters, 2022, 47, 3403.	1.7	6
23	Elliptical-Core Highly Nonlinear Few-Mode Fiber Based OXC for WDM-MDM Networks. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-11.	1.9	6
24	Reciprocating Reflective Double Gratings Based LCOS Waveshaper with Finer Bandwidth Resolution. , 2021, , .		0
25	Panda-type Few-mode Fiber Enabled Microwave Photonic Filter with Reconfigurable Finite Impulse Response. , 2021, , .		0
26	Improved receiver of ICI compensation for a spectral efficient frequency division multiplexing IM/DD system. Optics Express, 2021, 29, 3067.	1.7	1
27	Fast and blind chromatic dispersion estimation with one sample per symbol. Optics Express, 2021, 29, 7504.	1.7	5
28	Optimized Volterra filter equalizer based on weighted principal component analysis for IM-DD transmission. Optics Letters, 2021, 46, 1680.	1.7	3
29	Panda-type few-mode fiber-enabled microwave photonic filter with a reconfigurable finite impulse response. Optics Letters, 2021, 46, 1852.	1.7	5
30	Soliton Distillation of Pulses From a Fiber Laser. Journal of Lightwave Technology, 2021, 39, 2542-2546.	2.7	74
31	8 Å– 10 Gb/s Downstream PAM-4 Transmission for Cost-Effective Coherent WDM-PON Application. Journal of Lightwave Technology, 2021, 39, 2837-2846.	2.7	13
32	Reconfigurable generation of double-ring perfect vortex beam. Optics Express, 2021, 29, 17353.	1.7	11
33	Trellis Shaping for Fiber Nonlinearity Mitigation in Coherent Optical OFDM Systems. Journal of Lightwave Technology, 2021, 39, 2809-2819.	2.7	0
34	Biased Balance Detection for Fiber Optical Frequency Comb Based Linear Optical Sampling. Journal of Lightwave Technology, 2021, 39, 3458-3465.	2.7	12
35	Reciprocating Reflective Double Gratings Based LCOS Spectral Filter With Sharp Response. Journal of Lightwave Technology, 2021, 39, 3961-3966.	2.7	2
36	Polarization-Maintaining Multi-Core Few-Mode Fiber With a Cladding Diameter of 125 μ m. IEEE Photonics Journal, 2021, 13, 1-10.	1.0	2

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37	Adaptive intensity transformation-based phase retrieval with high accuracy and fast convergence. Optics Letters, 2021, 46, 3215.	1.7	10
38	Simple and precise characterization of differential modal group delay arising in few-mode fiber. Optics Letters, 2021, 46, 2856.	1.7	3
39	Hardware-efficient blind frequency offset estimation for digital subcarrier multiplexing signals. Optics Express, 2021, 29, 19879.	1.7	6
40	Wideband low confinement loss anti-resonant hollow core fiber with nested U-shape tube. Optics Express, 2021, 29, 24182.	1.7	13
41	Nonlinear Fourier transform enabled eigenvalue spectrum investigation for fiber laser radiation. Photonics Research, 2021, 9, 1531.	3.4	60
42	Negative refraction mediated by bound states in the continuum. Photonics Research, 2021, 9, 1592.	3.4	11
43	Mode converter with C+L band coverage based on the femtosecond laser inscribed long period fiber grating. Optics Letters, 2021, 46, 3340.	1.7	11
44	Optical True Time Delay-Based Hybrid Beamforming for Limited-Feedback Millimeter-Wave Massive MIMO Systems. IEEE Communications Letters, 2021, 25, 2405-2409.	2.5	6
45	Experimental generation of perfect optical vortices through strongly scattering media. Optics Letters, 2021, 46, 4156.	1.7	8
46	Design of Ring-Core Few-Mode-EDFA With the Enhanced Saturation Input Signal Power and Low Differential Modal Gain. IEEE Photonics Journal, 2021, 13, 1-6.	1.0	16
47	Blind Identification of the Shaping Rate for Probabilistic Shaping QAM Signal. IEEE Photonics Technology Letters, 2021, 33, 998-1001.	1.3	3
48	Optical true time delay pool-based beamforming and limited feedback for reconfigurable intelligent surface-empowered cloud radio access networks. Science China Information Sciences, 2021, 64, 1.	2.7	3
49	Rigorous FM-EDF design with an oversized two-layer erbium ion distribution for C-band DMG mitigation. Journal of the Optical Society of America B: Optical Physics, 2021, 38, F1.	0.9	4
50	10-W power light co-transmission with optically carried 5G NR signal over standard single-mode fiber. Optics Letters, 2021, 46, 5116.	1.7	15
51	Dual-Band Accelerating Beams Enabled Full Duplex Free-Space Optical Interconnection. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-7.	1.9	11
52	Hardware-efficient Nonlinear Equalizer based on Joint Unsupervised Learning and Supervised Weights. , 2021, , .		1
53	Linear Optical Sampling Enabled Eigenvalue Analysis of Fiber Laser Radiation. , 2021, , .		1
54	Machine Learning Classification vs. Regression for NFDm Transmission with Discrete Spectrum. , 2021, , .		0

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55	Geometric Shaping PAM-4 signaling for the Simplified Coherent Receiver with the transmitted signal diversity. , 2021, , .		1
56	Efficient Channel Model for Homogeneous Weakly Coupled Multicore Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-11.	1.9	7
57	All-Fiber Flexible Generation of the Generalized Cylindrical Vector Beam (CVB) Over the C-Band. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-7.	1.9	4
58	Airy Beam for Free-Space Photonic Interconnection: Generation Strategy and Trajectory Manipulation. Journal of Lightwave Technology, 2020, 38, 6474-6480.	2.7	18
59	Overfitting effect of artificial neural network based nonlinear equalizer: from mathematical origin to transmission evolution. Science China Information Sciences, 2020, 63, 1.	2.7	18
60	Enhancing the Physical Layer Security of OFDM-PONs With Hardware Fingerprint Authentication: A Machine Learning Approach. Journal of Lightwave Technology, 2020, 38, 3238-3245.	2.7	33
61	Latency-efficient code-division multiplexing (CDM) based carrier aggregation for 5G NR mobile fronthaul. Optics Communications, 2020, 472, 126051.	1.0	4
62	180 Gb/s PAM8 Signal Transmission in Bandwidth-Limited IMDD System Enabled by Tap Coefficient Decision Directed Volterra Equalizer. IEEE Access, 2020, 8, 19890-19899.	2.6	7
63	Telecommunication Compatibility Evaluation for Co-existing Quantum Key Distribution in Homogenous Multicore Fiber. IEEE Access, 2020, 8, 78836-78846.	2.6	8
64	Carrier Beating Impairment in Weakly Coupled Multicore Fiber-Based IM/DD Systems. IEEE Access, 2020, 8, 65699-65710.	2.6	4
65	Parallel Fabry-Perot interferometers fabricated on multicore-fiber for temperature and strain discriminative sensing. Optics Express, 2020, 28, 3190.	1.7	19
66	Single-axis soliton molecule and multiple solitons generation from a vector fiber laser. Optics Express, 2020, 28, 5212.	1.7	13
67	Laser linewidth tolerance for nonlinear frequency division multiplexing transmission with discrete spectrum modulation. Optics Express, 2020, 28, 9642.	1.7	15
68	Unveil the time delay signature of optical chaos systems with a convolutional neural network. Optics Express, 2020, 28, 15221.	1.7	16
69	Transfer learning simplified multi-task deep neural network for PDM-64QAM optical performance monitoring. Optics Express, 2020, 28, 7607.	1.7	31
70	Robust chaotic-shift-keying scheme based on electro-optical hybrid feedback system. Optics Express, 2020, 28, 10847.	1.7	27
71	Distributed curvature sensing based on a bending loss-resistant ring-core fiber. Photonics Research, 2020, 8, 165.	3.4	23
72	Distributed Brillouin frequency shift extraction via a convolutional neural network. Photonics Research, 2020, 8, 690.	3.4	46

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73	Sparse representation of Brillouin spectrum using dictionary learning. Optics Express, 2020, 28, 18160.	1.7	4
74	Femtosecond laser fabricated all-multicore-fiber parallel Fabry-Perot interferometers for dual-parameter sensing. , 2020, , .		3
75	Active Mode-Selective Conversion Enabled by an Elliptical- Core Highly Nonlinear Few-Mode Fiber. , 2020, , .		0
76	Low-complexity equalization scheme for suppressing FFE-enhanced in-band noise and ISI in 100 Gbps PAM4 optical IMDD system. Optics Letters, 2020, 45, 2555.	1.7	15
77	High-speed PAM-4 Eye Diagram Analyzer Based on Simplified Linear Optical Sampling Technique. , 2020, , .		3
78	Nonlinearity Tolerant High-Speed DMT Transmission With 1.5- <i>μ</i> m Single-Mode VCSEL and Multi-Core Fibers for Optical Interconnects. Journal of Lightwave Technology, 2019, 37, 380-388.	2.7	14
79	Efficient Timing/Frequency Synchronization Based on Sparse Fast Fourier Transform. Journal of Lightwave Technology, 2019, 37, 5299-5308.	2.7	5
80	Hardware Efficient Adaptive Equalizer for Coherent Short-Reach Optical Interconnects. IEEE Photonics Technology Letters, 2019, 31, 1249-1252.	1.3	12
81	PANDA Type Four-Core Fiber With the Efficient Use of Stress Rods. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	6
82	Toward Terabit Digital Radio over Fiber Systems: Architecture and Key Technologies. IEEE Communications Magazine, 2019, 57, 131-137.	4.9	32
83	Long Short-Term Memory Neural Network (LSTM-NN) Enabled Accurate Optical Signal-to-Noise Ratio (OSNR) Monitoring. Journal of Lightwave Technology, 2019, 37, 4140-4146.	2.7	29
84	Reconfigurable Microwave Photonic Filter Based on Long Period Gratings Inscribed in Multicore Fibers. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	4
85	Panda type elliptical core few-mode fiber. APL Photonics, 2019, 4, 022901.	3.0	19
86	Joint Carrier Frequency Offset and Phase Noise Estimation Based on Pseudo-Pilot in CO-FBMC/OQAM System. IEEE Photonics Journal, 2019, 11, 1-11.	1.0	10
87	Sparse-fast-Fourier-Transform Assisted Timing/Frequency Synchronization for Optical Coherent Receivers. , 2019, , .		0
88	Adaptive Uniform Entropy Loading for SSB-DMT Systems. Journal of Lightwave Technology, 2019, 37, 5961-5970.	2.7	6
89	An Image Encryption Scheme Based on Hybrid Electro-Optic Chaotic Sources and Compressive Sensing. IEEE Access, 2019, 7, 156582-156591.	2.6	20
90	Reconfigurable Inter-Core Signal Switching Within Multicore Fibers Based on Long-Period Gratings. Journal of Lightwave Technology, 2019, 37, 6025-6032.	2.7	3

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91	Peak-power-clamping in an all-polarization-maintaining Q-switched mode-locking fiber laser. Optics Express, 2019, 27, 37614.	1.7	3
92	Real-Time Denoising of Brillouin Optical Time Domain Analyzer With High Data Fidelity Using Convolutional Neural Networks. Journal of Lightwave Technology, 2019, 37, 2648-2653.	2.7	43
93	High-Speed PAM4-Based Optical SDM Interconnects With Directly Modulated Long-Wavelength VCSEL. Journal of Lightwave Technology, 2019, 37, 356-362.	2.7	19
94	Liquid crystal-optical phased arrays (LC-OPA)-based optical beam steering with microradian resolution enabled by double gratings. Applied Optics, 2019, 58, 4091.	0.9	10
95	DUAL-PANDA TYPE FOUR-CORE FIBER. , 2019, , .		2
96	Harnessing oversampling in correlation-coded OTDR. Optics Express, 2019, 27, 1693.	1.7	12
97	Double-grating with multiple diffractions enabled small angle measurement. Optics Express, 2019, 27, 5289.	1.7	8
98	Joint OSNR and CD monitoring in digital coherent receiver using long short-term memory neural network. Optics Express, 2019, 27, 6936.	1.7	29
99	Modulation format identification assisted by sparse-fast-Fourier-transform for hitless flexible coherent transceivers. Optics Express, 2019, 27, 7072.	1.7	17
100	Femtosecond laser enabled selective micro-holes drilling on the multicore-fiber facet for displacement sensor application. Optics Express, 2019, 27, 10777.	1.7	14
101	Amplifier-free 4Å–96 Gb/s PAM8 transmission enabled by modified Volterra equalizer for short-reach applications using directly modulated lasers. Optics Express, 2019, 27, 17927.	1.7	17
102	Multi-task deep neural network (MT-DNN) enabled optical performance monitoring from directly detected PDM-QAM signals. Optics Express, 2019, 27, 19062.	1.7	47
103	Hybrid constellation entropy loading for adaptively partitioned SSB-DMT systems. Optics Express, 2019, 27, 26295.	1.7	4
104	Long-period fiber gratings inscribed in few-mode fibers for discriminative determination. Optics Express, 2019, 27, 26307.	1.7	13
105	Single-step digital backpropagation for subcarrier-multiplexing transmissions. Optics Express, 2019, 27, 36680.	1.7	8
106	Optimized self-interference cancellation based on optical dual-parallel MZM for co-frequency and co-time full duplex wireless communication under nonlinear distortion and emulated multipath effect. Optics Express, 2019, 27, 37286.	1.7	20
107	A Low-Complexity Adaptive Equalizer for Digital Coherent Short-Reach Optical Transmission Systems. , 2019, , .		14
108	Comparison of Coherent and IMDD Transceivers for Intra Datacenter Optical Interconnects. , 2019, , .		52

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109	Semiconductor-laser-based hybrid chaos source and its application in secure key distribution. Optics Letters, 2019, 44, 2605.	1.7	33
110	Femtosecond laser micro-machining enabled all-fiber mode selective converter. Optics Letters, 2019, 44, 5941.	1.7	7
111	Design, fabrication, and characterization of a highly nonlinear few-mode fiber. Photonics Research, 2019, 7, 1354.	3.4	14
112	Experimental Demonstration of a Sparse-FFT Based Quick Synchronization Method for FBMC/OQAM Systems. , 2019, , .		0
113	Ultra-Low Crosstalk Fused Taper Type Fan-in/Fan-out Devices for Multicore Fibers. , 2019, , .		12
114	Sparse I/Q Volterra filter for optical 16-QAM signals in direct-detection Kramers-Kronig receiver. , 2019, , .		0
115	Robust digital-controllable broadband analog optical chaos generation. , 2019, , .		0
116	Maximizing the security of digital chaos based OFDM-PON with a dynamical nonlinear transformation. , 2019, , .		1
117	Programmable spectral processor based on spatial polarization manipulation with liquid crystal on silicon. Optics Express, 2019, 27, 14809.	1.7	1
118	Design of elliptical-core five-mode group selective photonic lantern over the C-band. Optics Express, 2019, 27, 27979.	1.7	11
119	Microwave photonic RF front-end for co-frequency co-time full duplex 5G communication with integrated RF signal self-interference cancellation, optoelectronic oscillator and frequency down-conversion. Optics Express, 2019, 27, 32147.	1.7	11
120	IIR Microwave Photonic Filters Based on Homogeneous Multicore Fibers. Journal of Lightwave Technology, 2018, 36, 4298-4304.	2.7	6
121	Investigation of Germanium-Loaded Slot Waveguides for Mid-Infrared Third Harmonic Generation. Plasmonics, 2018, 13, 2197-2204.	1.8	2
122	A time and frequency synchronization method for CO-OFDM based on CMA equalizers. Optics Communications, 2018, 416, 166-171.	1.0	2
123	Plasmon-Induced Transparency and Refractive Index Sensing in Side-Coupled Stub-Hexagon Resonators. Plasmonics, 2018, 13, 251-257.	1.8	55
124	Broadband Optical Reflection Modulator in Indium-Tin-Oxide-Filled Hybrid Plasmonic Waveguide with High Modulation Depth. Plasmonics, 2018, 13, 1309-1314.	1.8	15
125	PAM4 based symmetrical 112-Gbps long-reach TWDM-PON. Optics Communications, 2018, 409, 117-122.	1.0	3
126	Secure Optical Communication System Based on ASE Noise with No Need for Key Distribution. , 2018, , .		1

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127	Crosstalk Impacts on Homogeneous Weakly-Coupled Multicore Fiber Based IM/DD System. , 2018, , .		1
128	Optimization of the Channel Estimation Training Sequence for Precoded DDO-OFDM System. , 2018, , .		0
129	Integrating Quantum Key Distribution with the Spatial Division Multiplexing Enabled High Capacity Optical Networks. , 2018, , .		1
130	Multicore Fiber Mach-Zehnder Interferometers by Programmable Offset Splicing Technique. , 2018, , .		0
131	All-optical Phase Shifter and Switch Based on Microfiber Coated with Colloidal Quantum Dots. , 2018, , .		0
132	Time-frequency Signal Processing Based on Fractional Fourier Transform for Coherent Optical Communications. , 2018, , .		2
133	Panda Type Few-Mode Fiber Capable of Both Mode Profile and Polarization Maintenance. Journal of Lightwave Technology, 2018, 36, 5780-5785.	2.7	17
134	Distributed Measurement of Polarization Mode Coupling in Polarization Maintaining Fibers Using Microwave Photonic Filter Technique. Journal of Lightwave Technology, 2018, 36, 4543-4548.	2.7	5
135	LP _{11a/b} Mode Converter Based on Long-Period Grating in Elliptical Few-mode Fiber. , 2018, , .		0
136	Joint Time/Frequency Synchronization and Chromatic Dispersion Estimation With Low Complexity Based on a Superimposed FrFT Training Sequence. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	20
137	Enabling Simultaneous DAS and DTS Through Space-Division Multiplexing Based on Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5707-5713.	2.7	21
138	Digital Domain Power Division Multiplexed Dual Polarization Coherent Optical OFDM Transmission. Scientific Reports, 2018, 8, 15827.	1.6	16
139	Inter-Core Crosstalk in Multicore Fibers: Impact on $56\text{-ext}\{\text{Gbaud}\}/\lambda$ /Core PAM-4 Transmission. , 2018, , .		3
140	Stable and Compact Dual-Loop Optoelectronic Oscillator Using Self-Polarization-Stabilization Technique and Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5196-5202.	2.7	8
141	A Joint OSNR and Nonlinear Distortions Estimation Method for Optical Fiber Transmission System. IEEE Photonics Journal, 2018, 10, 1-11.	1.0	7
142	SNR-Enhanced Fast BOTDA Combining Channel Estimation Technique With Complementary Pulse Coding. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	5
143	Crossing-free on-chip 2×2 polarization-transparent switch with signals regrouping function. Optics Letters, 2018, 43, 4009.	1.7	2
144	Bidirectional long-reach PON using Kramers-Kronig-based receiver for Rayleigh Backscattering noise and SSBI interference elimination. Optics Express, 2018, 26, 19020.	1.7	9

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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.	2.7	16
146	Carrier Phase Recovery for Set-Partitioning QAM Formats. <i>Journal of Lightwave Technology</i> , 2018, 36, 4129-4137.	2.7	8
147	TDHQ Enabling Fine-Granularity Adaptive Loading for SSB-DMT Systems. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1687-1690.	1.3	4
148	Uniform Entropy Loading for Precoded DMT Systems in Fading Optical Channel. , 2018, , .		1
149	Achievable information rate enhancement of visible light communication using probabilistically shaped OFDM modulation. <i>Optics Express</i> , 2018, 26, 367.	1.7	34
150	Directional torsion and temperature discrimination based on a multicore fiber with a helical structure. <i>Optics Express</i> , 2018, 26, 544.	1.7	76
151	Light-controllable fiber interferometer utilizing photoexcitation dynamics in colloidal quantum dot. <i>Optics Express</i> , 2018, 26, 3903.	1.7	4
152	Real-time 100 Gbps/core NRZ and EDB IM/DD transmission over multicore fiber for intra-datacenter communication networks. <i>Optics Express</i> , 2018, 26, 10519.	1.7	31
153	Nonlinear equalization based on pruned artificial neural networks for 112-Gb/s SSB-PAM4 transmission over 80-km SSMF. <i>Optics Express</i> , 2018, 26, 10631.	1.7	62
154	Few-mode multicore fiber enabled integrated Mach-Zehnder interferometers for temperature and strain discrimination. <i>Optics Express</i> , 2018, 26, 15332.	1.7	37
155	On-chip cyclic-AWG-based 12-wavelength silicon wavelength routing switches with minimized port-to-port insertion loss fluctuation. <i>Photonics Research</i> , 2018, 6, 380.	3.4	9
156	Investigation of channel model for weakly coupled multicore fiber. <i>Optics Express</i> , 2018, 26, 5182.	1.7	27
157	Modulation format identification enabled by the digital frequency-offset loading technique for hitless coherent transceiver. <i>Optics Express</i> , 2018, 26, 7288.	1.7	36
158	Sparse-fast-Fourier-transform-based quick synchronization for optical direct detection orthogonal frequency division multiplexing systems. <i>Optics Letters</i> , 2018, 43, 2014.	1.7	3
159	Wavelength division multiplexing secure communication scheme based on an optically coupled phase chaos system and PM-to-IM conversion mechanism. <i>Nonlinear Dynamics</i> , 2018, 94, 1949-1959.	2.7	30
160	Spatial Division Multiplexing-Based Reflective Intensity-Modulated Fiber Optics Displacement Sensor. <i>IEEE Photonics Journal</i> , 2018, 10, 1-7.	1.0	4
161	Fiber optics frequency comb enabled linear optical sampling with operation wavelength range extension. <i>Optics Letters</i> , 2018, 43, 439.	1.7	14
162	Compact double-part grating coupler for higher-order mode coupling. <i>Optics Letters</i> , 2018, 43, 3172.	1.7	34

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163	Arbitrary Bias Point Control Technique for Optical IQ Modulator Based on Dither-Correlation Detection. <i>Journal of Lightwave Technology</i> , 2018, 36, 3824-3836.	2.7	32
164	An Electrooptic Chaotic System Based on a Hybrid Feedback Loop. <i>Journal of Lightwave Technology</i> , 2018, 36, 4259-4266.	2.7	33
165	Precise calibration of spatial phase response nonuniformity arising in liquid crystal on silicon. <i>Optics Letters</i> , 2018, 43, 2993.	1.7	11
166	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.	1.0	17
167	Secure Strategy for OFDM-PON Using Digital Chaos Algorithm With Fixed-Point Implementation. <i>Journal of Lightwave Technology</i> , 2018, 36, 4826-4833.	2.7	22
168	Design of highly mode group selective photonic lanterns with geometric optimization. <i>Applied Optics</i> , 2018, 57, 7065.	0.9	10
169	Code reservation enabled PAPR reduction of digital CDM based channel aggregation for mobile fronthaul. <i>Optics Express</i> , 2018, 26, 21585.	1.7	2
170	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.	1.7	22
171	Robust in-fiber spatial interferometer using multicore fiber for vibration detection. <i>Optics Express</i> , 2018, 26, 29629.	1.7	20
172	Compact Grating Coupler for Higher-order Mode Coupling. , 2018, , .		2
173	Digital chromatic dispersion pre-management enabled single-lane 112 Gb/s PAM-4 signal transmission over 80 km SSMF. <i>Optics Letters</i> , 2018, 43, 1495.	1.7	13
174	Radial basis function neural network enabled C-band 40 Gb/s PAM-4 transmission over 80 km SSMF. <i>Optics Letters</i> , 2018, 43, 3542.	1.7	31
175	Real-time 100 Gbps/core NRZ and EDB IM/DD Transmission over 10 km Multicore Fiber. , 2018, , .		2
176	Reconfigurable Inter-core Switching within Multicore Fiber. , 2018, , .		3
177	Blind and Fast Modulation Format Identification by Frequency-offset Loading for Hitless Flexible Transceiver. , 2018, , .		3
178	Link optimized few-mode fiber Raman distributed temperature sensors. <i>Applied Optics</i> , 2018, 57, 6923.	0.9	8
179	BOMA and OFDM/OQAM modulation for a radio-over-fiber system with enhanced spectral efficiency. <i>Optics Letters</i> , 2018, 43, 4859.	1.7	1
180	Linewidth-tolerant adaptive equalization scheme for OQAM. <i>Optics Communications</i> , 2017, 393, 89-94.	1.0	0

#	ARTICLE	IF	CITATIONS
181	Training Symbol Assisted in-Band OSNR Monitoring Technique for PDM-CO-OFDM System. Journal of Lightwave Technology, 2017, 35, 1551-1556.	2.7	12
182	Characterization and Optimization of Unrepeated Coherent Transmission Systems Using DRA and ROPA. Journal of Lightwave Technology, 2017, 35, 1830-1836.	2.7	10
183	Three-Dimensional Adaptive Modulation and Coding for DDO-OFDM Transmission System. IEEE Photonics Journal, 2017, 9, 1-20.	1.0	6
184	Highly sensitive strain sensor based on helical structure combined with Mach-Zehnder interferometer in multicore fiber. Scientific Reports, 2017, 7, 46633.	1.6	69
185	Experimental Demonstration of Ultra-Dense WDM-PON With Seven-Core MCF-Enabled Self-Homodyne Coherent Detection. IEEE Photonics Journal, 2017, 9, 1-7.	1.0	12
186	Simultaneous Suppression of Even-Order and Third-Order Distortions in Directly Modulated Analog Photonic Links. IEEE Photonics Journal, 2017, 9, 1-12.	1.0	15
187	An Optically Coupled Electro-Optic Chaos System With Suppressed Time-Delay Signature. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	19
188	Theoretical Investigation of Longitudinal Dispersion Fluctuations on All-Fiber Phase-Sensitive Parametric Optical Switch. Journal of Lightwave Technology, 2017, 35, 1646-1653.	2.7	2
189	Broadband On-Chip Mode-Division Multiplexer Based on Adiabatic Couplers and Symmetric Y-Junction. IEEE Photonics Journal, 2017, 9, 1-6.	1.0	33
190	End-View Image Processing Based Angle Alignment Techniques for Specialty Optical Fibers. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	13
191	Spatially Arrayed Long Period Gratings in Multicore Fiber by Programmable Electrical Arc Discharge. IEEE Photonics Journal, 2017, 9, 1-10.	1.0	14
192	Experimental Investigation on Improved Predistortion Circuit for Directly Modulated Radio Over Fiber System. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	3
193	All-fiber spatial rotation manipulation for radially asymmetric modes. Scientific Reports, 2017, 7, 2539.	1.6	15
194	Group-velocity-locked vector soliton molecules in fiber lasers. Scientific Reports, 2017, 7, 2369.	1.6	46
195	On-field measurement trial of 4Å–128 Gbps PDM-QPSK signals by linear optical sampling. Optics Communications, 2017, 384, 36-40.	1.0	5
196	Vertical blind phase search for low-complexity carrier phase recovery of offset-QAM Nyquist WDM transmission. Optics Communications, 2017, 382, 212-218.	1.0	9
197	64-Gb/s SSB-PAM4 Transmission Over 120-km Dispersion-Uncompensated SSMF With Blind Nonlinear Equalization, Adaptive Noise-Whitening Postfilter and MLSD. Journal of Lightwave Technology, 2017, 35, 5193-5200.	2.7	23
198	Fractal Dimension Aided Modulation Formats Identification Based on Support Vector Machines. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
199	Broadband Inter-Core Optical Multicasting within Multicore Fibre. , 2017, , .		0
200	Frequency Offset Estimation for 32-QAM Based on Constellation Rotation. IEEE Photonics Technology Letters, 2017, 29, 2115-2118.	1.3	14
201	All-Optical Actively Mode-Locked Fiber Laser at 2- $\hat{1}$ / ₄ m Based on Interband Modulation. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	6
202	Single-Lane 112-Gbit/s SSB-PAM4 Transmission With Dual-Drive MZM and Kramersâ€™Kronig Detection Over 80-km SSMF. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	29
203	Experimental study on the stochastic characteristics of 3 \hat{A} –3 RF MIMO channel over two-mode fiber. , 2017, , .		0
204	Supercontinuum generation with a repetition rate over 100MHz based on a picosecond pulse from a normal dispersion fiber laser. , 2017, , .		0
205	Experimental demonstration of high spectral efficient 4 \hat{A} – 4 MIMO SCMA-OFDM/OQAM radio over multi-core fiber system. Optics Express, 2017, 25, 18431.	1.7	13
206	RF-pilot aided modulation format identification for hitless coherent transceiver. Optics Express, 2017, 25, 463.	1.7	44
207	High speed single-wavelength modulation and transmission at 2 $\hat{1}$ / ₄ m under bandwidth-constrained condition. Optics Express, 2017, 25, 4528.	1.7	31
208	Few-mode fiber based Raman distributed temperature sensing. Optics Express, 2017, 25, 4907.	1.7	63
209	Joint carrier phase and frequency-offset estimation with parallel implementation for dual-polarization coherent receiver. Optics Express, 2017, 25, 5217.	1.7	21
210	Simplex coded polarization optical time domain reflectometry system. Optics Express, 2017, 25, 5550.	1.7	4
211	Ultra-high capacity WDM-SDM optical access network with self-homodyne detection downstream and 32QAM-FBMC upstream. Optics Express, 2017, 25, 5951.	1.7	31
212	2 \hat{A} – 64 Gb/s PAM-4 transmission over 70 km SSMF using O-band 18G-class directly modulated lasers (DMLs). Optics Express, 2017, 25, 7230.	1.7	44
213	Feed-forward frequency offset estimation for 32-QAM optical coherent detection. Optics Express, 2017, 25, 8828.	1.7	19
214	BOTDA using channel estimation with direct-detection optical OFDM technique. Optics Express, 2017, 25, 12698.	1.7	26
215	Few-mode optical fiber based simultaneously distributed curvature and temperature sensing. Optics Express, 2017, 25, 12722.	1.7	26
216	All-fiber polarization manipulation for high-order LP modes with mode profile maintenance. Optics Express, 2017, 25, 18197.	1.7	10

#	ARTICLE	IF	CITATIONS
217	Towards large dynamic range and ultrahigh measurement resolution in distributed fiber sensing based on multicore fiber. Optics Express, 2017, 25, 20183.	1.7	36
218	Novel dual-loop optoelectronic oscillator based on self-polarization-stabilization technique. Optics Express, 2017, 25, 21993.	1.7	16
219	Performance enhanced DDO-OFDM system with adaptively partitioned precoding and single sideband modulation. Optics Express, 2017, 25, 23093.	1.7	19
220	Multi-subcarrier flexible bit-loading enabled capacity improvement in meshed optical networks with cascaded ROADMs. Optics Express, 2017, 25, 25046.	1.7	8
221	Low complexity split digital backpropagation for digital subcarrier-multiplexing optical transmissions. Optics Express, 2017, 25, 27824.	1.7	9
222	Reproducible optical noise-like signal generation subjected by digital sequences. Optics Express, 2017, 25, 29189.	1.7	7
223	Polarization-maintaining few mode fiber composed of a central circular-hole and an elliptical-ring core. Photonics Research, 2017, 5, 261.	3.4	47
224	Modulation-format-free and automatic bias control for optical IQ modulators based on dither-correlation detection. Optics Express, 2017, 25, 9333.	1.7	27
225	MDM transmission of CAP-16 signals over 11- km anti-bending trench-assisted elliptical-core few-mode fiber in passive optical networks. Optics Express, 2017, 25, 22991.	1.7	24
226	Spatial-division multiplexed Brillouin distributed sensing based on a heterogeneous multicore fiber. Optics Letters, 2017, 42, 171.	1.7	29
227	Efficient spot size converter for higher-order mode fiber-chip coupling. Optics Letters, 2017, 42, 3702.	1.7	37
228	56-Gb/s SSB-PAM4 Transmission over 100-km Dispersion-Uncompensated SSMF with Linear Pre-Equalization and Blindly Adaptive Nonlinear Post-Equalization. , 2017, , .		0
229	Experimental study on the statistic characteristics of a 3x3 RF MIMO channel over a single conventional multimode fiber. Optics Letters, 2017, 42, 2217.	1.7	6
230	Long Period Fiber Grating Fabrication by Two-Step Infrared Femtosecond Fiber Laser Exposure. IEEE Photonics Journal, 2017, 9, 1-7.	1.0	2
231	First experimental demonstration of faster-than-Nyquist PDM-16QAM transmission over standard single mode fiber. Optics Letters, 2017, 42, 1072.	1.7	10
232	De-correlation Bandwidth Evolution of Frequency Dependent Crosstalk in Weakly Coupled Multicore Fiber. , 2017, , .		0
233	Temperature-insensitive fiber twist sensor based on elliptical-core few-mode fiber. Optics Letters, 2016, 41, 4617.	1.7	23
234	2x2 MIMO OFDM/OQAM radio signals over an elliptical core few-mode fiber. Optics Letters, 2016, 41, 4546.	1.7	5

#	ARTICLE	IF	CITATIONS
235	Fast and Robust Chromatic dispersion Estimation for Digital Optical Coherent Receivers. , 2016, , .		2
236	Modulation format identification aided hitless flexible coherent transceiver. Optics Express, 2016, 24, 15642.	1.7	19
237	Group velocity locked vector dissipative solitons in a high repetition rate fiber laser. Optics Express, 2016, 24, 18718.	1.7	20
238	Heterogeneous all-solid multicore fiber based multipath Michelson interferometer for high temperature sensing. Optics Express, 2016, 24, 20210.	1.7	55
239	Joint timing/frequency offset estimation and correction based on FrFT encoded training symbols for PDM CO-OFDM systems. Optics Express, 2016, 24, 28256.	1.7	20
240	Space-division-multiplexed transmission of 3x3 multiple-input multiple-output wireless signals over conventional graded-index multimode fiber. Optics Express, 2016, 24, 28372.	1.7	17
241	Electro-optic chaotic system based on the reverse-time chaos theory and a nonlinear hybrid feedback loop. Optics Express, 2016, 24, 28804.	1.7	17
242	Experimental investigation of inter-core crosstalk tolerance of MIMO-OFDM/OQAM radio over multicore fiber system. Optics Express, 2016, 24, 13418.	1.7	32
243	Low-complexity carrier phase estimation for M-ary QAM based on blind phase search using simplified measurement. , 2016, , .		3
244	Spatial-division multiplexed hybrid Raman and Brillouin optical time-domain reflectometry based on multi-core fiber. Optics Express, 2016, 24, 25111.	1.7	36
245	Design of reconfigurable on-chip mode filters based on phase transition in vanadium dioxide. Applied Physics Express, 2016, 9, 112201.	1.1	10
246	Fiber Bragg gratings in heterogeneous multicore fiber for directional bending sensing. Journal of Optics (United Kingdom), 2016, 18, 085705.	1.0	70
247	Dispersion-Tolerant DDO-OFDM System and Simplified Adaptive Modulation Scheme Using CAZAC Precoding. Journal of Lightwave Technology, 2016, 34, 2743-2751.	2.7	25
248	Few-mode fiber based distributed curvature sensor through quasi-single-mode Brillouin frequency shift. Optics Letters, 2016, 41, 1514.	1.7	28
249	Transmission of 2â€‰—â€‰56â€‰Gb/s PAM-4 signal over 100â€‰km SSMF using 18â€‰GHz DMLs. Optics Letters, 2016, 41, 1805.	1.7	61
250	Frontier research of ultra-high-speed ultra-large-capacity and ultra-long-haul optical transmission. Frontiers of Optoelectronics, 2016, 9, 123-137.	1.9	2
251	Mode-dependent characterization of photonic lanterns. Optics Letters, 2016, 41, 2302.	1.7	10
252	Experimental Demonstration of Bidirectional OFDM/OQAM-MIMO Signal Over a Multicore Fiber System. IEEE Photonics Journal, 2016, 8, 1-8.	1.0	19

#	ARTICLE	IF	CITATIONS
253	Scalar-vector soliton fiber laser mode-locked by nonlinear polarization rotation. Optics Express, 2016, 24, 18764.	1.7	46
254	Characterization of Rayleigh backscattering arising in various two-mode fibers. Optics Express, 2016, 24, 12192.	1.7	5
255	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.	1.7	15
256	Switchable thulium-doped fiber laser from polarization rotation vector to scalar soliton. Scientific Reports, 2016, 6, 34844.	1.6	24
257	Experimental verification of relative phase noise in Raman amplified coherent optical communication system. Journal of Lightwave Technology, 2016, , 1-1.	2.7	4
258	Design and fabrication of elliptical-core few-mode fiber for MIMO-less data transmission. Optics Letters, 2016, 41, 3058.	1.7	73
259	Employing multicore fiber in short reach optical networks. , 2016, , .		1
260	ICI Mitigation for Dual-Carrier Superchannel Transmission Based on m-PSK and m-QAM Formats. Journal of Lightwave Technology, 2016, 34, 5526-5533.	2.7	14
261	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.	1.0	4
262	All-Fiber Tunable LP ₁₁ Mode Rotator With 360° Range. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	13
263	Supercontinuum generation with a repetition rate over 100MHz based on a picosecond pulse from a normal dispersion fiber laser. , 2016, , .		1
264	Evidence of pseudo-high-order group-velocity-locked vector dissipative solitons. , 2016, , .		0
265	Curvature-induced Brillouin frequency shifts of fundamental mode in few mode fiber. , 2016, , .		0
266	Switchable Dual-Wavelength Mode-Locking of Thulium-Doped Fiber Laser Based on SWNTs. IEEE Photonics Technology Letters, 2016, 28, 2019-2022.	1.3	12
267	General model of signal propagation in a Raman amplified single-mode fiber based coherent optical communication system. Optics Communications, 2016, 380, 401-408.	1.0	3
268	Efficient second harmonic generation in internal asymmetric plasmonic slot waveguide. Optics Express, 2016, 24, 9706.	1.7	7
269	Independent component analysis based channel equalization for 6 Ã— 6 MIMO-OFDM transmission over few-mode fiber. Optics Express, 2016, 24, 9209.	1.7	12
270	Thin-Fiber-Based Fabry-Pérot Cavity for Monitoring Microfluidic Refractive Index. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	11

#	ARTICLE	IF	CITATIONS
271	Spatial-Division Multiplexed Mach-Zehnder Interferometers in Heterogeneous Multicore Fiber for Multiparameter Measurement. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	1.0	44
272	Simple and robust symbol rate estimation method for digital coherent optical receivers. <i>Optics Communications</i> , 2016, 366, 200-204.	1.0	5
273	Low-Complexity Carrier Phase Recovery Based on Constellation Classification for M-ary Offset-QAM Signal. <i>Journal of Lightwave Technology</i> , 2016, 34, 1133-1140.	2.7	7
274	Experimental Demonstration of a 16.27 Gb/s 2-D Coherent Optical OFDM System With 3-D Signal Mapper and 2-D IFFT Modulator. <i>Journal of Lightwave Technology</i> , 2016, 34, 1177-1183.	2.7	10
275	Fractional Fourier Transformation-Based Blind Chromatic Dispersion Estimation for Coherent Optical Communications. <i>Journal of Lightwave Technology</i> , 2016, 34, 2371-2380.	2.7	29
276	High-frequency reverse-time chaos generation using an optical matched filter. <i>Optics Letters</i> , 2016, 41, 1157.	1.7	19
277	Impact of Sampling Source Repetition Frequency in Linear Optical Sampling. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 15-18.	1.3	10
278	The Role of Effective Area in the Design of Weakly Coupled MCF: Optimization Guidance and OSNR Improvement. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 81-87.	1.9	9
279	Optoelectronic optimization of mode selective converter based on liquid crystal on silicon. <i>Optics and Laser Technology</i> , 2016, 77, 198-202.	2.2	1
280	Inverse-designed single-step-etched colorless 3-dB couplers based on RIE-lag-insensitive PhC-like subwavelength structures. <i>Optics Letters</i> , 2016, 41, 5051.	1.7	79
281	2 nd -2 PolMux-MIMO RoF System Employing Interference Cancellation Based OFDM/OQAM Technique. , 2016, , .		2
282	Pump RIN-induced impairments in unrepeated transmission systems using distributed Raman amplifier. <i>Optics Express</i> , 2015, 23, 11838.	1.7	16
283	A fast and robust blind chromatic dispersion estimation based on fractional fourier transformation. , 2015, , .		11
284	Electrically Programmable All-Fiber Structured Second Order Optical Temporal Differentiator. <i>IEEE Photonics Journal</i> , 2015, 7, 1-10.	1.0	3
285	A Robust and Efficient Frequency Offset Correction Algorithm With Experimental Verification for Coherent Optical OFDM System. <i>Journal of Lightwave Technology</i> , 2015, 33, 3801-3807.	2.7	8
286	Security-Enhanced OFDM-PON Using Hybrid Chaotic System. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 326-329.	1.3	66
287	Single-longitudinal-mode multi-wavelength fiber laser with independent tuning of channel numbers and wavelength spacing. <i>Applied Physics B: Lasers and Optics</i> , 2015, 118, 23-28.	1.1	3
288	Mode-dependent characteristics of Rayleigh backscattering in weakly-coupled few-mode fiber. <i>Optics Communications</i> , 2015, 346, 15-20.	1.0	11

#	ARTICLE	IF	CITATIONS
289	Linewidth-Tolerant Joint Digital Signal Processing for 16QAM Nyquist WDM Superchannel. IEEE Photonics Technology Letters, 2015, 27, 129-132.	1.3	8
290	Electronically reconfigurable bandpass microwave photonic filter using a windowed optical frequency comb. Journal of Optics (United Kingdom), 2015, 17, 035708.	1.0	0
291	Time-Delay Concealment in a Three-Dimensional Electro-Optic Chaos System. IEEE Photonics Technology Letters, 2015, 27, 1030-1033.	1.3	31
292	Method to improve the performance of the optical modulation format identification system based on asynchronous amplitude histogram. Optical Fiber Technology, 2015, 23, 13-17.	1.4	8
293	Multiwavelength pulse generation using a SESAM-based mode-locked fiber laser together with Fabry-Perot filter. Applied Physics B: Lasers and Optics, 2015, 120, 675-679.	1.1	1
294	Subcarrier multiplexing based self-heterodyne coherent detection for PM-16QAM format. Optics Communications, 2015, 351, 160-166.	1.0	1
295	Performance Comparison of Offset-16QAM and 16QAM for Nyquist WDM Superchannel With Digital Spectral Shaping. Journal of Lightwave Technology, 2015, 33, 3623-3629.	2.7	8
296	An Ultra-Sensitive Magnetic Field Sensor Based on Extrinsic Fiber-Optic Fabry-Perot Interferometer and Terfenol-D. Journal of Lightwave Technology, 2015, 33, 3332-3337.	2.7	36
297	Multicore-Fiber-Enabled WSDM Optical Access Network With Centralized Carrier Delivery and RSOA-Based Adaptive Modulation. IEEE Photonics Journal, 2015, 7, 1-9.	1.0	35
298	A Robust Mode Converter Based on Liquid Crystal on Silicon (LCOS) With Off-Focus Operation. IEEE Photonics Journal, 2015, 7, 1-8.	1.0	1
299	Offset-16QAM-based coherent WDM with multi-carrier group detection. Proceedings of SPIE, 2015, , .	0.8	0
300	Noise Properties in SESAM-Based Mode-Locked Laser With Intracavity Pump Reflection Coating. IEEE Photonics Technology Letters, 2015, 27, 1200-1203.	1.3	0
301	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.	1.7	21
302	Fast and robust chromatic dispersion estimation based on temporal auto-correlation after digital spectrum superposition. Optics Express, 2015, 23, 15418.	1.7	12
303	Performance-Enhanced Direct Detection Optical OFDM Transmission With CAZAC Equalization. IEEE Photonics Technology Letters, 2015, 27, 1507-1510.	1.3	51
304	Feed-forward carrier phase recovery for offset-QAM Nyquist WDM transmission. Optics Express, 2015, 23, 6215.	1.7	19
305	Experimental demonstration of large capacity WSDM optical access network with multicore fibers and advanced modulation formats. Optics Express, 2015, 23, 10997.	1.7	77
306	Low-complexity feed-forward carrier phase estimation for M-ary QAM based on phase search acceleration by quadratic approximation. Optics Express, 2015, 23, 19142.	1.7	15

#	ARTICLE	IF	CITATIONS
307	Novel design of N-dimensional CAP filters for 10â€‰%â€‰Gb/s CAP-PON system. Optics Letters, 2015, 40, 2409.	1.7	21
308	Characterization and mitigation of phase-modulation-dependent loss of liquid crystal on silicon. Optics Letters, 2015, 40, 1484.	1.7	4
309	On-Chip Polarization Controlled Mode Converter With Capability of WDM Operation. IEEE Photonics Technology Letters, 2015, 27, 1957-1960.	1.3	9
310	Spatial mode rotator based on mechanically induced twist and bending in few-mode fibers. Proceedings of SPIE, 2015, , .	0.8	2
311	Experimental Characterization of Rayleigh Backscattering in Few-Mode Fiber Using All-Fiber Photonic Lanterns. , 2015, , .		0
312	Repetition rate optimization of passively mode-locked fiber laser for high-speed linear optical sampling. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 134206.	0.2	0
313	Slot Spiral Silicon Photonic Crystal Fiber With Property of Both High Birefringence and High Nonlinearity. IEEE Photonics Journal, 2014, 6, 1-7.	1.0	25
314	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.	1.7	5
315	Programmable multi-wavelength filter with Machâ€™Zehnder interferometer embedded in ethanol filled photonic crystal fiber. Optics Letters, 2014, 39, 2194.	1.7	3
316	Relative phase noise induced impairment in CO-OFDM optical communication system with distributed fiber Raman amplifier. Optics Letters, 2014, 39, 2841.	1.7	4
317	Relative phase noise estimation and mitigation in Raman amplified coherent optical communication system. Optics Express, 2014, 22, 1257.	1.7	15
318	Role of wavelength dependent sensitivity in affecting the crosstalk mitigation of homogeneous multicore fiber: an analytical estimation approach. Optics Express, 2014, 22, 14127.	1.7	10
319	All-optical non-conjugated wavelength multicasting of QPSK signal with capability of phase regeneration. Optics Express, 2014, 22, 22996.	1.7	9
320	Temperature compensated magnetic field sensing using dual S-bend structured optical fiber modal interferometer cascaded with fiber Bragg grating. Optics Express, 2014, 22, 27515.	1.7	22
321	Characterization of Fiber Bragg Grating Inscribed in Few-Mode Silica-Germanate Fiber. IEEE Photonics Technology Letters, 2014, 26, 1908-1911.	1.3	15
322	A UWB pulse generation based on a phase modulator and programmable filter. Optics Communications, 2014, 318, 166-170.	1.0	3
323	Multichannel Continuously Tunable Microwave Phase Shifter With Capability of Frequency Doubling. IEEE Photonics Journal, 2014, 6, 1-8.	1.0	9
324	Modeling and Analysis of Fiber Bragg Grating Based Visible Pr ³⁺ -Doped Fiber Lasers. Journal of Lightwave Technology, 2014, 32, 27-34.	2.7	6

#	ARTICLE	IF	CITATIONS
325	Photonic Generation of Frequency-Quadrupled Microwave Signal With Tunable Phase Shift. IEEE Photonics Technology Letters, 2014, 26, 220-223.	1.3	18
326	Cascaded fiber-optic Fabry-Perot interferometers with Vernier effect for highly sensitive measurement of axial strain and magnetic field. Optics Express, 2014, 22, 19581.	1.7	149
327	Reconfigurable UWB Pulse Generation Based on Multi-Taps and a Programmable Filter. IEEE Photonics Technology Letters, 2014, 26, 1395-1398.	1.3	2
328	Nyquist WDM superchannel using offset-16QAM and receiver-side digital spectral shaping. Optics Express, 2014, 22, 17448.	1.7	27
329	All-Optical DPSK Regenerative One-to-Nine Wavelength Multicasting Using Dual-Pump Degenerate Phase Sensitive Amplifier. Journal of Lightwave Technology, 2014, 32, 2605-2612.	2.7	8
330	Analytical Investigation on Self-Homodyne Coherent System Based on Few-Mode Fiber. IEEE Photonics Technology Letters, 2014, 26, 74-77.	1.3	20
331	Performance Comparison for NRZ, RZ, and CSRZ Modulation Formats in RS-DBS Nyquist WDM System. Journal of Optical Communications and Networking, 2014, 6, 355.	3.3	14
332	Secure OFDM-PON System Based on Chaos and Fractional Fourier Transform Techniques. Journal of Lightwave Technology, 2014, 32, 2629-2635.	2.7	65
333	Relative Phase Noise-Induced Phase Error and System Impairment in Pump Depletion/Nondepletion Regime. Journal of Lightwave Technology, 2014, 32, 2277-2286.	2.7	17
334	All-solid multi-core fiber-based multipath Mach-Zehnder interferometer for temperature sensing. Applied Physics B: Lasers and Optics, 2013, 112, 491-497.	1.1	52
335	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.	1.1	9
336	Optimization of few-mode-fiber based mode converter for mode division multiplexing transmission. Optics Communications, 2013, 306, 185-189.	1.0	12
337	Design and numerical optimization of a mode multiplexer based on few-mode fiber couplers. Journal of Optics (United Kingdom), 2013, 15, 125404.	1.0	5
338	A pump power controlled 1,060nm multiwavelength fiber ring laser using nonlinear polarization rotation of SOA. Applied Physics B: Lasers and Optics, 2013, 110, 445-449.	1.1	7
339	All-optical spectral linewidth reduction of lasers for coherent optical communication. Optics Letters, 2013, 38, 5220.	1.7	28
340	Reconfigurable UWB pulse generator based on pulse shaping in a nonlinear optical loop mirror and differential detection. Optics Express, 2013, 21, 6401.	1.7	5
341	Phase noise tolerant inter-carrier-interference cancellation for WDM superchannels with sub-Nyquist channel spacing. Optics Express, 2013, 21, 21569.	1.7	5
342	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.	1.7	18

#	ARTICLE	IF	CITATIONS
343	4 Å– 10 Gb s ¹ wavelength multicasting with tunable NRZ-to-RZ format conversion using nonlinear polarization rotation in an SOA. <i>Laser Physics</i> , 2013, 23, 085103.	0.6	2
344	Modeling and analysis of visible praseodymium doped fiber lasers. , 2012, , .		1
345	Down-conversion praseodymium doped fiber laser: Modeling and analysis. , 2012, , .		0
346	Comb Filter-Based Fiber-Optic Methane Sensor System With Mitigation of Cross Gas Sensitivity. <i>Journal of Lightwave Technology</i> , 2012, 30, 3103-3109.	2.7	14
347	Rayleigh backscattering noise in single-fiber loopback duplex WDM-PON architecture. <i>Frontiers of Optoelectronics</i> , 2012, 5, 435-438.	1.9	0
348	Photonic instantaneous frequency measurement using optical carrier suppression based DC power monitoring. , 2011, , .		1
349	Comb Spectrum Shaping Effect of a Fiber Sagnac Loop on an All-Normal-Dispersion Yb-Doped Mode-Locked Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 57-59.	1.3	3
350	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.	2.7	36
351	Tunable Multi-Tap Bandpass Microwave Photonic Filter Using a Windowed Fabry-Pérot Filter-Based Multi-Wavelength Tunable Laser. <i>Journal of Lightwave Technology</i> , 2011, 29, 3381-3386.	2.7	34
352	Instantaneous microwave frequency measurement using a microfiber ring resonator (MRR) based photonic differentiator. , 2011, , .		3
353	Microwave photonics research for defense applications in Singapore. , 2011, , .		0
354	Instantaneous microwave frequency measurement using optical carrier suppression based DC power monitoring. <i>Optics Express</i> , 2011, 19, 24712.	1.7	9
355	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.	1.0	25
356	Investigation of InGaAsP Quantum-Well EAM Based Pump-Probe Configuration for Ultrafast Optical Signal Processing. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 1113-1122.	1.0	2
357	Vector solitons in a laser passively mode-locked by single-wall carbon nanotubes. <i>Optics Communications</i> , 2011, 284, 2007-2011.	1.0	33
358	Simultaneous implementation of all-optical OR and AND logic gates for NRZ/RZ/CSRZ ON-OFF-keying signals. <i>Optics Communications</i> , 2010, 283, 349-354.	1.0	14
359	Experimental Observations of Multiple Solitons Generation in a Carbon-Nanotube Based Passively Mode-locked Fiber Laser. , 2010, , .		0
360	Simultaneous UWB monocycle pulse generation and frequency up-conversion with multicasting capability using FWM effect in a highly nonlinear photonic crystal fiber (HNL-PCF). , 2010, , .		1

#	ARTICLE	IF	CITATIONS
361	Photonic RF Phase Shifter Based on a Vector-Sum Technique Using Stimulated Brillouin Scattering in Dispersion Shifted Fiber. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3206-3212.	2.9	22
362	10 Gbit/s WDM-PON using downstream PolSK coded by polarisation modulator and upstream intensity re-modulation. Electronics Letters, 2010, 46, 428.	0.5	8
363	A Selective-Broadcasting Scheme for WDM-PON Access Network Using Subcarrier Modulation Technique. , 2010, , .		0
364	A Wavelength-Switchable Passively Harmonically Mode-Locked Fiber Laser With Low Pumping Threshold Using Single-Walled Carbon Nanotubes. IEEE Photonics Technology Letters, 2010, 22, 754-756.	1.3	39
365	Simultaneous Implementation of Photonic Logic or and and Gates for CSRZ-OOK Signals. IEEE Photonics Technology Letters, 2010, 22, 960-962.	1.3	3
366	UWB Impulse Radio Transmitter Using an Electrooptic Phase Modulator Together With a Delay Interferometer. IEEE Photonics Technology Letters, 2010, 22, 1479-1481.	1.3	6
367	Simultaneous multi-channel CMW-band and MMW-band UWB monocycle pulse generation using FWM effect in a highly nonlinear photonic crystal fiber. Optics Express, 2010, 18, 15870.	1.7	24
368	Nonlinear coupling of relative intensity noise from pump to a fiber ring laser mode-locked with carbon nanotubes. Optics Express, 2010, 18, 16663.	1.7	20
369	Observation of timing jitter reduction induced by spectral filtering in a fiber laser mode locked with a carbon nanotube-based saturable absorber. Optics Letters, 2010, 35, 2320.	1.7	34
370	A Wavelength-Division-Multiplexed Passive Optical Network With Simultaneous Centralized Light Source and Broadcast Capability. IEEE Photonics Journal, 2010, 2, 445-453.	1.0	9
371	Instantaneous Microwave Frequency Measurement Using Programmable Differential Group Delay (DGD) Modules. IEEE Photonics Journal, 2010, 2, 967-973.	1.0	18
372	Generation of high-energy wave-breaking-free pulses with low repetition rate using passively mode-locked fiber laser. , 2009, , .		0
373	A Photonic Frequency Up-Converter Based on Nonlinear Polarization Rotation of an SOA for WDM Radio-Over-Fiber Systems. , 2009, , .		1
374	All-optical NRZ-OOK-to-RZ-OOK format conversions with tunable duty cycles using nonlinear polarization rotation of a semiconductor optical amplifier. Optics Communications, 2009, 282, 2143-2146.	1.0	8
375	Photonic-assisted microwave frequency measurement with higher resolution and tunable range. Optics Letters, 2009, 34, 743.	1.7	65
376	High-energy laser pulse with a submegahertz repetition rate from a passively mode-locked fiber laser. Optics Letters, 2009, 34, 1432.	1.7	91
377	Single-frequency 1060 nm semiconductor-optical-amplifier-based fiber laser with 40 nm tuning range. Optics Letters, 2009, 34, 2204.	1.7	20
378	40 Gb/s Multifunction Optical Format Conversion Module With Wavelength Multicast Capability Using Nondegenerate Four-Wave Mixing in a Semiconductor Optical Amplifier. Journal of Lightwave Technology, 2009, 27, 4446-4454.	2.7	12

#	ARTICLE	IF	CITATIONS
379	Photonic measurement of microwave frequency based on phase modulation. Optics Express, 2009, 17, 7217.	1.7	61
380	Seamless generation and provisioning of broadcasting and independent services in WDM-PON access networks. Optics Express, 2009, 17, 9630.	1.7	4
381	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.	1.3	26
382	Frequency Multiplication of Microwave Signals by Self-Induced Nonlinear Polarization Rotation in Semiconductor Optical Amplifiers (SOAs). IEEE Photonics Technology Letters, 2009, 21, 1081-1083.	1.3	1
383	Instantaneous Microwave Frequency Measurement Using Photonic Technique. IEEE Photonics Technology Letters, 2009, 21, 1069-1071.	1.3	75
384	Generation of optical pulses with continuously tunable pulsewidth using SOA-based fiber loop mirror. , 2009, , .		0
385	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.	1.0	156
386	All-optical WDM Subcarrier Modulator for Binary Phase Shift Keying (BPSK) with Optical SSB Format Using a Phase Modulator Loop Mirror Filter. , 2009, , .		4
387	Continuously Tunable Multiwavelength Fiber Ring Laser Using Nonlinear Polarization Rotation of SOA with External Optical Injection. , 2009, , .		1
388	All-optical NRZ-DPSK clock recovery using linearly chirped fiber Bragg grating induced clock tone. Optical Fiber Technology, 2008, 14, 222-226.	1.4	5
389	Experimental demonstration of polarization multiplexing for simultaneously providing broadband wireless and wired access. Optics Communications, 2008, 281, 2806-2810.	1.0	11
390	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.	1.9	81
391	SOA Nonlinear Polarization Rotation With Linear Polarization Maintenance: Characterization and Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 816-825.	1.9	18
392	Photonic Monocycle Pulse Frequency Up-Conversion for Ultrawideband-Over-Fiber Applications. IEEE Photonics Technology Letters, 2008, 20, 1006-1008.	1.3	26
393	Photonic Polarity-Switchable Ultra-Wideband Pulse Generation Using a Tunable Sagnac Interferometer Comb Filter. IEEE Photonics Technology Letters, 2008, 20, 1320-1322.	1.3	23
394	A Tunable Lyot Birefringent Filter With Variable Channel Spacing and Wavelength Using Nonlinear Polarization Rotation in an SOA. IEEE Photonics Technology Letters, 2008, 20, 1527-1529.	1.3	10
395	Photonic ultrawideband monocycle pulse generation using a single electro-optic modulator. Optics Letters, 2008, 33, 288.	1.7	50
396	An Enhanced SOA-Based Double-Loop Optical Buffer for Storage of Variable-Length Packet. Journal of Lightwave Technology, 2008, 26, 425-431.	2.7	17

#	ARTICLE	IF	CITATIONS
397	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.	2.7	8
398	Simultaneous inverted and non-inverted wavelength conversions with 2R regeneration based on nonlinear polarization rotation of SOA. , 2008, , .		0
399	High order ultrawideband pulse generation from NRZ-DPSK signals. , 2008, , .		2
400	Effect of absorption loss on the saturation characteristics of semiconductor optical amplifier. <i>Optical Engineering</i> , 2008, 47, 035004.	0.5	0
401	Dual-wavelength signals delays via Brillouin Slow Light in an Optical Fiber. , 2008, , .		0
402	Ultrawideband doublet generation from NRZ-DPSK signals. , 2008, , .		0
403	All-optical NRZ-DPSK Clock Recovery Using Chromatic Dispersion Induced Clock Tone. , 2007, , .		0
404	Loadable and erasable optical buffer based on a semiconductor optical amplifier with background noise suppression. <i>Optical Engineering</i> , 2007, 46, 025006.	0.5	1
405	Ultrawideband monocycle generation using cross-phase modulation in a semiconductor optical amplifier. <i>Optics Letters</i> , 2007, 32, 1223.	1.7	107
406	40 Gb/s all-optical NRZ to RZ format conversion using single SOA assisted by optical bandpass filter. <i>Optics Express</i> , 2007, 15, 2907.	1.7	48
407	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.	1.7	37
408	Power Equalization for SOA-Based Dual-Loop Optical Buffer by Optical Control Pulse Optimization. <i>IEEE Journal of Quantum Electronics</i> , 2007, 43, 508-516.	1.0	10
409	40 Gb/s both inverted and non-inverted wavelength conversion based on transient XPM of SOA. , 2007, , .		2
410	All-Optical NRZ-DPSK Clock Recovery Using Chromatic-Dispersion-Induced Clock Tone. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 925-927.	1.3	22
411	Nonlinear Polarization Rotation in Semiconductor Optical Amplifiers With Linear Polarization Maintenance. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1931-1933.	1.3	38
412	Single SOA based all-optical adder assisted by optical bandpass filter: Theoretical analysis and performance optimization. <i>Optics Communications</i> , 2007, 270, 238-246.	1.0	34
413	Theoretical investigation of dual-wavelength packet signal storage with SOA-based dual loop optical buffer. <i>Optics Communications</i> , 2007, 279, 255-261.	1.0	5
414	Measurement of SOA Linewidth Enhancement Factor With a Sagnac Fiber Loop. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 1934-1936.	1.3	8

#	ARTICLE	IF	CITATIONS
415	Analytical Solution for SOA-Based All-Optical Wavelength Conversion Using Transient Cross-Phase Modulation. IEEE Photonics Technology Letters, 2006, 18, 2554-2556.	1.3	18
416	Experimental demonstration of both inverted and non-inverted wavelength conversion based on transient cross phase modulation of SOA. Optics Express, 2006, 14, 7587.	1.7	28
417	Design of SOA-based dual-loop optical buffer with a 3 /spl times/ 3 collinear coupler: guideline and optimizations. Journal of Lightwave Technology, 2006, 24, 2768-2778.	2.7	22
418	An optical resilient packet ring node with SOA-based loadable and erasable storage buffer. Applied Physics B: Lasers and Optics, 2006, 85, 571-574.	1.1	2
419	Analysis of pulse broadening induced by the second-order PMD. Chinese Physics B, 2005, 14, 1591-1593.	1.3	1
420	Study of the stability of polarization mode dispersion in fibre. Chinese Physics B, 2003, 12, 1423-1428.	1.3	3