

# Deming Liu

## List of Publications by Year in descending order

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248  
papers

2,781  
citations

186265

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docs citations

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times ranked

2344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous RF Self-Interference Cancellation, Local Oscillator Generation, Frequency up- and down-Conversion in an Integrated In-Band Full-Duplex 5G RF Transceiver Front-End. Journal of Lightwave Technology, 2022, 40, 511-518.	4.6	8
2	Experimental Demonstration of Simultaneously Precise Tx and Rx Skew Calibration for Coherent Optical Transceiver. Journal of Lightwave Technology, 2022, 40, 1043-1054.	4.6	8
3	Edge Detection-Assisted Brillouin Optical Time-Domain Analyzer for Ultrafast Sensing of Abnormal Temperature Event. IEEE Sensors Journal, 2022, 22, 3211-3218.	4.7	1
4	An SNR-improved Transmitter of Delta-sigma Modulation Supported Ultra-High-Order QAM Signal for Fronthaul/WiFi Applications. Journal of Lightwave Technology, 2022, 40, 2780-2790.	4.6	23
5	Large-Dynamic-Range and High-Stability Phase Demodulation Technology for Fiber-Optic Michelson Interferometric Sensors. Sensors, 2022, 22, 2488.	3.8	2
6	Multi-Task Learning Convolutional Neural Network and Optical Spectrums Enabled Optical Performance Monitoring. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	6
7	Ultra-sensitive ppb-level methane detection based on NIR all-optical photoacoustic spectroscopy by using differential fiber-optic microphones with gold-chromium composite nanomembrane. Photoacoustics, 2022, 26, 100353.	7.8	31
8	Simultaneously precise frequency response and IQ skew calibration in a self-homodyne coherent optical transmission system. Optics Express, 2022, 30, 20894.	3.4	4
9	Optical Multipath Interference Mitigation for High-Speed PAM4 IMDD Transmission System. Journal of Lightwave Technology, 2022, 40, 5490-5501.	4.6	11
10	Fabrication and Characterization of Femtosecond Laser Inscribed Long-Period Fiber Grating in Few-Mode Fiber. IEEE Photonics Journal, 2022, 14, 1-6.	2.0	4
11	Multi-Functional Optical Spectrum Analysis Using Multi-Task Cascaded Neural Networks. IEEE Photonics Journal, 2022, 14, 1-9.	2.0	1
12	High receiver skew-tolerant and hardware-efficient clock recovery for short-reach coherent transmission. Optics Express, 2022, 30, 27064.	3.4	4
13	Enhanced BOTDA Sensors Based on Brillouin Phase Recovery Using Kramers-Kronig Relation. IEEE Sensors Journal, 2021, 21, 22775-22782.	4.7	2
14	A Robust Sparse RLS-Volterra Nonlinear Equalizer Using $\ell_1$ - $\ell_2$ -Regularization for 4 Å– 150 Gbit/s IMDD-Based Optical Interconnect. IEEE Access, 2021, 9, 30881-30892.	4.2	5
15	Demonstration of Dual-Mode Photonic Integrated Circuit Based on Inverse-Designed Photonic Components. IEEE Photonics Technology Letters, 2021, 33, 1289-1292.	2.5	4
16	Design of hollow core step-index antiresonant fiber with stepped refractive indices cladding. Frontiers of Optoelectronics, 2021, 14, 407-413.	3.7	5
17	Performance-Enhanced DMT System With Joint Precoding and Probabilistic Constellation Shaping. IEEE Photonics Journal, 2021, 13, 1-12.	2.0	1
18	8 Å– 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

#	ARTICLE	IF	CITATIONS
19	Design and Analysis of Ultra-Wideband Highly-Birefringent Bragg Layered Photonic Bandgap Fiber With Concave-Index Cladding. IEEE Photonics Journal, 2021, 13, 1-10.	2.0	4
20	Biased Balance Detection for Fiber Optical Frequency Comb Based Linear Optical Sampling. Journal of Lightwave Technology, 2021, 39, 3458-3465.	4.6	12
21	Identify the Device Fingerprint of OFDM-PONs With a Noise-Model-Assisted CNN for Enhancing Security. IEEE Photonics Journal, 2021, 13, 1-4.	2.0	11
22	Chaos Synchronization Based on Hybrid Entropy Sources and Applications to Secure Communication. IEEE Photonics Technology Letters, 2021, 33, 1038-1041.	2.5	15
23	Nonintrusive Distributed Flow Rate Sensing System Based on Flow-Induced Vibrations Detection. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	15
24	Simultaneously Precise Calibration of Frequency Response and IQ Skew for 100Gbaud Optical Transceiver. , 2021, , .		4
25	Squeezing Out the Last Shaping Gain with Optimum Enumerative Sphere Shaping for Short Block Lengths. , 2021, , .		2
26	Geometric Shaping PAM-4 signaling for the Simplified Coherent Receiver with the transmitted signal diversity. , 2021, , .		1
27	Passive Homodyne Phase Demodulation Technique Based on LF-TIT-DCM Algorithm for Interferometric Sensors. Sensors, 2021, 21, 8257.	3.8	8
28	Coexistence of soliton singlets and molecules in a dual-wavelength mode-locked fiber laser. Optics Communications, 2020, 457, 124700.	2.1	25
29	Ultra-High Sensitive Quasi-Distributed Acoustic Sensor Based on Coherent OTDR and Cylindrical Transducer. Journal of Lightwave Technology, 2020, 38, 929-938.	4.6	68
30	All-Fiber Mode-Locked Laser Utilizing 45°-Tilted Fiber Grating-Based Polarization Beam Splitter. IEEE Photonics Technology Letters, 2020, 32, 1389-1392.	2.5	5
31	Sensitivity Characterization of Cascaded Long-Period Gratings Operating near the Phase-Matching Turning Point. Sensors, 2020, 20, 5978.	3.8	4
32	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
33	Integrated Dual-Mode 3-dB Power Splitter Based on Multimode Interference Coupler. IEEE Photonics Technology Letters, 2020, 32, 883-886.	2.5	24
34	Polarizing Grating-Based Ultrasensitive All-Fiber Angular Displacement Sensor. IEEE Photonics Technology Letters, 2020, 32, 180-183.	2.5	1
35	An Optical Fiber Twist Sensor With Temperature Compensation Mechanism Based on T-SMS Structure. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	8
36	Gold-Diaphragm Based Fabry-Perot Ultrasonic Sensor for Partial Discharge Detection and Localization. IEEE Photonics Journal, 2020, 12, 1-12.	2.0	28

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37	A Robust Reference Optical Spectrum Based in-Band OSNR Monitoring Method Suitable for Flexible Optical Networks. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	5
38	1.25 Gb/s Correlated Random Bit Generation Over 200 km Using Electro-Optic Hybrid Chaotic Entropy Source. , 2020, , .		1
39	Scalar and Vector Solitons in a Bidirectional Mode-Locked Fibre Laser. Journal of Lightwave Technology, 2019, 37, 5108-5114.	4.6	10
40	DBR Fiber Laser Based High-Resolution Accelerometer Network. Journal of Lightwave Technology, 2019, 37, 2946-2953.	4.6	11
41	Dual-wavelength Mode-locked Fiber Laser Emitting Soliton Singlets and Molecules. , 2019, , .		0
42	CFBG-Based Bidirectional Mode-Locked Fiber Laser Emitting Conventional and Dissipative Solitons. IEEE Photonics Technology Letters, 2019, 31, 1737-1740.	2.5	4
43	Diaphragm-based optical fiber sensor for pulse wave monitoring and cardiovascular diseases diagnosis. Journal of Biophotonics, 2019, 12, e201900084.	2.3	43
44	Numerical and Experimental Characterization of Radiation Mode of 45° Tilted Fiber Grating. Journal of Lightwave Technology, 2019, , 1-1.	4.6	9
45	Sensing Characterization of Helical Long Period Fiber Grating Fabricated by a Double-Side CO <sub>2</sub> Laser in Single-Mode Fiber. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	13
46	Joint Carrier Frequency Offset and Phase Noise Estimation Based on Pseudo-Pilot in CO-FBMC/OQAM System. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	10
47	Adaptive Uniform Entropy Loading for SSB-DMT Systems. Journal of Lightwave Technology, 2019, 37, 5961-5970.	4.6	6
48	A Large Measurement Range Bending Sensor Based on Microfiber Probe. IEEE Photonics Technology Letters, 2019, 31, 1964-1967.	2.5	10
49	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
50	Semiconductor-laser-based hybrid chaos source and its application in secure key distribution. Optics Letters, 2019, 44, 2605.	3.3	33
51	Real-time access to the coexistence of soliton singlets and molecules in an all-fiber laser. Optics Letters, 2019, 44, 4263.	3.3	22
52	Experimental studies of mode-locked fiber laser in large normal and anomalous dispersion regimes by using a CFBG-based dispersion management component. , 2019, , .		0
53	Multi-state solitons in a CFBG-based ultrafast bidirectional fiber laser. , 2019, , .		0
54	Observation of Wavelength Tuning and Bound States in Fiber Lasers. Scientific Reports, 2018, 8, 6049.	3.3	15

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55	Quasi-Distributed Dual-Parameter Optical Fiber Sensor Based on Cascaded Microfiber Fabry-Pérot Interferometers. IEEE Photonics Journal, 2018, 10, 1-9.	2.0	13
56	Reference Optical Spectrum Based In-Band OSNR Monitoring Method for EDFA Amplified Multispan Optical Fiber Transmission System With Cascaded Filtering Effect. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	16
57	Phase Interrogation of Diaphragm-Based Optical Fiber Acoustic Sensor Assisted by Wavelength-Scanned Spectral Coding. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	12
58	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
59	Secure Optical Communication System Based on ASE Noise with No Need for Key Distribution. , 2018, , .		1
60	Crosstalk Impacts on Homogeneous Weakly-Coupled Multicore Fiber Based IM/DD System. , 2018, , .		1
61	Impact of Out-of-Band Noise on OSNR Measurement Using Brillouin Optical Spectrum Analyzer and Its Mitigation Method. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	7
62	Optimization of the Channel Estimation Training Sequence for Precoded DDO-OFDM System. , 2018, , .		0
63	Compact Four-Channel Directly Modulated Analog Optical Transceiver Module for Analog Application. , 2018, , .		0
64	Multicore Fiber Mach-Zehnder Interferometers by Programmable Offset Splicing Technique. , 2018, , .		0
65	Time-frequency Signal Processing Based on Fractional Fourier Transform for Coherent Optical Communications. , 2018, , .		2
66	Single-Shot Temporal Ghost Imaging Based on Orthogonal Frequency-Division Multiplexing. IEEE Photonics Technology Letters, 2018, 30, 1555-1558.	2.5	11
67	Panda Type Few-Mode Fiber Capable of Both Mode Profile and Polarization Maintenance. Journal of Lightwave Technology, 2018, 36, 5780-5785.	4.6	17
68	Distributed Measurement of Polarization Mode Coupling in Polarization Maintaining Fibers Using Microwave Photonic Filter Technique. Journal of Lightwave Technology, 2018, 36, 4543-4548.	4.6	5
69	Multiplexed ultrafast fiber laser emitting multi-state solitons. Optics Express, 2018, 26, 27461.	3.4	27
70	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
71	Digital Domain Power Division Multiplexed Dual Polarization Coherent Optical OFDM Transmission. Scientific Reports, 2018, 8, 15827.	3.3	16
72	Stable and Compact Dual-Loop Optoelectronic Oscillator Using Self-Polarization-Stabilization Technique and Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5196-5202.	4.6	8

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73	A Joint OSNR and Nonlinear Distortions Estimation Method for Optical Fiber Transmission System. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	7
74	High Accurate and Stable Demodulation for 3-D Encoded Optical Fiber Sensing Network. IEEE Photonics Technology Letters, 2018, 30, 1657-1660.	2.5	0
75	Carrier Phase Recovery for Set-Partitioning QAM Formats. Journal of Lightwave Technology, 2018, 36, 4129-4137.	4.6	8
76	TDHQ Enabling Fine-Granularity Adaptive Loading for SSB-DMT Systems. IEEE Photonics Technology Letters, 2018, 30, 1687-1690.	2.5	4
77	Uniform Entropy Loading for Precoded DMT Systems in Fading Optical Channel. , 2018, , .		1
78	Tunable multiwavelength fiber laser based on a $\hat{I}_1$ -shaped microfiber filter. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	10
79	Soliton molecules in a fiber laser based on optic evanescent field interaction with WS <sub>2</sub> . Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	13
80	Deterministic Single Soliton Formation and Manipulation in Anomalous Dispersion Microresonators via Parametric Seeding. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	1
81	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
82	Broadband Wavelength Conversion Based on Parallel-Coupled Micro-Ring Resonators. IEEE Photonics Technology Letters, 2018, 30, 1559-1562.	2.5	4
83	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
84	High-Speed and High-Resolution Demodulation System for the Hybrid WDM/FDM Based Fiber Microstructure Sensing Network. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	3
85	An Electrooptic Chaotic System Based on a Hybrid Feedback Loop. Journal of Lightwave Technology, 2018, 36, 4259-4266.	4.6	33
86	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
87	Secure Strategy for OFDM-PON Using Digital Chaos Algorithm With Fixed-Point Implementation. Journal of Lightwave Technology, 2018, 36, 4826-4833.	4.6	22
88	Simultaneous Distributed Temperature and Vibration Measurement with UWFBG based Coherent OTDR. , 2018, , .		5
89	Generation of scalar and vector solitons in a bidirectional mode-locked fiber laser. , 2018, , .		0
90	Dual-Parameters Optical Fiber Sensor With Enhanced Resolution Using Twisted MMF Based on SMS Structure. IEEE Sensors Journal, 2017, 17, 3045-3051.	4.7	35

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91	Training Symbol Assisted in-Band OSNR Monitoring Technique for PDM-CO-OFDM System. Journal of Lightwave Technology, 2017, 35, 1551-1556.	4.6	12
92	Characterization and Optimization of Unrepeated Coherent Transmission Systems Using DRA and ROPA. Journal of Lightwave Technology, 2017, 35, 1830-1836.	4.6	10
93	Three-Dimensional Adaptive Modulation and Coding for DDO-OFDM Transmission System. IEEE Photonics Journal, 2017, 9, 1-20.	2.0	6
94	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
95	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
96	An Optically Coupled Electro-Optic Chaos System With Suppressed Time-Delay Signature. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	19
97	Theoretical Investigation of Longitudinal Dispersion Fluctuations on All-Fiber Phase-Sensitive Parametric Optical Switch. Journal of Lightwave Technology, 2017, 35, 1646-1653.	4.6	2
98	Phase Demodulation of Short-Cavity Fabry-Perot Interferometric Acoustic Sensors With Two Wavelengths. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	53
99	End-View Image Processing Based Angle Alignment Techniques for Specialty Optical Fibers. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	13
100	Spatially Arrayed Long Period Gratings in Multicore Fiber by Programmable Electrical Arc Discharge. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	14
101	Physical-layer network coding for passive optical interconnects in datacenter networks. , 2017, , .		0
102	Extracting the time delay signature of coupled optical chaotic systems by mutual statistical analysis. Frontiers of Optoelectronics, 2017, 10, 378-387.	3.7	3
103	Sensitivity-controllable refractive index sensor based on reflective $\hat{\Gamma}$ -shaped microfiber resonator cooperated with Vernier effect. Scientific Reports, 2017, 7, 9620.	3.3	40
104	Experimental Investigation on Improved Predistortion Circuit for Directly Modulated Radio Over Fiber System. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	3
105	Group-velocity-locked vector soliton molecules in fiber lasers. Scientific Reports, 2017, 7, 2369.	3.3	46
106	On-field measurement trial of 4Å–128 Gbps PDM-QPSK signals by linear optical sampling. Optics Communications, 2017, 384, 36-40.	2.1	5
107	Fractal Dimension Aided Modulation Formats Identification Based on Support Vector Machines. , 2017, , .		2
108	Broadband Inter-Core Optical Multicasting within Multicore Fibre. , 2017, , .		0

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109	Frequency Offset Estimation for 32-QAM Based on Constellation Rotation. IEEE Photonics Technology Letters, 2017, 29, 2115-2118.	2.5	14
110	Highly sensitive strain sensor based on fiber microstructures associated with coherent detection. , 2017, , .		2
111	Supercontinuum generation with a repetition rate over 100MHz based on a picosecond pulse from a normal dispersion fiber laser. , 2017, , .		0
112	Performance enhanced DDO-OFDM system with adaptively partitioned precoding and single sideband modulation. Optics Express, 2017, 25, 23093.	3.4	19
113	Automatic reference optical spectrum retrieval method for ultra-high resolution optical spectrum distortion analysis utilizing integrated machine learning techniques. Optics Express, 2017, 25, 32491.	3.4	11
114	Polarization- and wavelength-independent SBS-based filters for high resolution optical spectrum measurement. Optics Express, 2017, 25, 20969.	3.4	10
115	Long Period Fiber Grating Fabrication by Two-Step Infrared Femtosecond Fiber Laser Exposure. IEEE Photonics Journal, 2017, 9, 1-7.	2.0	2
116	Low-complexity carrier phase estimation for M-ary QAM based on blind phase search using simplified measurement. , 2016, , .		3
117	2- $\frac{1}{4}$ m Switchable dual-wavelength single-longitudinal-mode fiber laser based on a core-offset structure and carbon nanotube. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	5
118	Simultaneous temperature and strain sensing utilizing Brillouin frequency shifts contributed by multiple acoustic modes. , 2016, , .		2
119	Dispersion-Tolerant DDO-OFDM System and Simplified Adaptive Modulation Scheme Using CAZAC Precoding. Journal of Lightwave Technology, 2016, 34, 2743-2751.	4.6	25
120	All-fiber sensor based on few-mode fiber offset splicing structure cascaded with long-period fiber grating for curvature and acoustic measurement. Photonic Network Communications, 2016, 32, 224-229.	2.7	10
121	Experimental Demonstration of Bidirectional OFDM/OQAM-MIMO Signal Over a Multicore Fiber System. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	19
122	Switchable thulium-doped fiber laser from polarization rotation vector to scalar soliton. Scientific Reports, 2016, 6, 34844.	3.3	24
123	Experimental verification of relative phase noise in Raman amplified coherent optical communication system. Journal of Lightwave Technology, 2016, , 1-1.	4.6	4
124	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
125	Hole-Assisted Graded-Index Four-LP-Mode Fiber With Low Differential Mode Group Delay Over C+L Band. IEEE Photonics Journal, 2016, 8, 1-10.	2.0	4
126	All-Fiber Tunable LP <sub>11</sub> Mode Rotator With 360° Range. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	13



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127	Supercontinuum generation with a repetition rate over 100MHz based on a picosecond pulse from a normal dispersion fiber laser. , 2016, , .		1
128	Evidence of pseudo-high-order group-velocity-locked vector dissipative solitons. , 2016, , .		0
129	Switchable Dual-Wavelength Mode-Locking of Thulium-Doped Fiber Laser Based on SWNTs. IEEE Photonics Technology Letters, 2016, 28, 2019-2022.	2.5	12
130	A Single Longitudinal Mode Fiber Ring Laser Based on Cascaded Microfiber Knots Filter. IEEE Photonics Technology Letters, 2016, 28, 2172-2175.	2.5	14
131	Research progress in the key device and technology for fiber optic sensor network. Photonic Sensors, 2016, 6, 1-25.	5.0	21
132	Low-Complexity Carrier Phase Recovery Based on Constellation Classification for M-ary Offset-QAM Signal. Journal of Lightwave Technology, 2016, 34, 1133-1140.	4.6	7
133	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
134	Fractional Fourier Transformation-Based Blind Chromatic Dispersion Estimation for Coherent Optical Communications. Journal of Lightwave Technology, 2016, 34, 2371-2380.	4.6	29
135	Fiber-Optic Michelson Interferometric Acoustic Sensor Based on a PP/PET Diaphragm. IEEE Sensors Journal, 2016, 16, 3054-3058.	4.7	77
136	UV Adhesive Diaphragm-Based FPI Sensor for Very-Low-Frequency Acoustic Sensing. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	35
137	Impact of Sampling Source Repetition Frequency in Linear Optical Sampling. IEEE Photonics Technology Letters, 2016, 28, 15-18.	2.5	10
138	Graphene-Assisted Microfiber for Optical-Power-Based Temperature Sensor. IEEE Photonics Technology Letters, 2016, 28, 383-386.	2.5	51
139	Quasi-Distributed Strain Sensing System Based on Optical Spectrum-Limited Chaos and CFBG Intensity Demodulation. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	3
140	A fast and robust blind chromatic dispersion estimation based on fractional fourier transformation. , 2015, , .		11
141	Realization of Bragg grating based integrated fractional photonic Hilbert transformer. , 2015, , .		1
142	Electrically Programmable All-Fiber Structured Second Order Optical Temporal Differentiator. IEEE Photonics Journal, 2015, 7, 1-10.	2.0	3
143	A Robust and Efficient Frequency Offset Correction Algorithm With Experimental Verification for Coherent Optical OFDM System. Journal of Lightwave Technology, 2015, 33, 3801-3807.	4.6	8
144	Liquid level optical fiber sensor based on enhanced multimode interference. , 2015, , .		2

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145	Security-Enhanced OFDM-PON Using Hybrid Chaotic System. IEEE Photonics Technology Letters, 2015, 27, 326-329.	2.5	66
146	Single-longitudinal-mode multi-wavelength fiber laser with independent tuning of channel numbers and wavelength spacing. Applied Physics B: Lasers and Optics, 2015, 118, 23-28.	2.2	3
147	Linewidth-Tolerant Joint Digital Signal Processing for 16QAM Nyquist WDM Superchannel. IEEE Photonics Technology Letters, 2015, 27, 129-132.	2.5	8
148	Time-Delay Concealment in a Three-Dimensional Electro-Optic Chaos System. IEEE Photonics Technology Letters, 2015, 27, 1030-1033.	2.5	31
149	2-1/4m switchable, tunable and power-controllable dual-wavelength fiber laser based on parallel cavities using 3-Å-Å3 coupler. Applied Physics B: Lasers and Optics, 2015, 120, 349-354.	2.2	11
150	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.	2.2	1
151	Performance Comparison of Offset-16QAM and 16QAM for Nyquist WDM Superchannel With Digital Spectral Shaping. Journal of Lightwave Technology, 2015, 33, 3623-3629.	4.6	8
152	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.	4.6	36
153	A Robust Mode Converter Based on Liquid Crystal on Silicon (LCOS) With Off-Focus Operation. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	1
154	Fiber up-taper assisted Mach-Zehnder interferometer for high sensitive temperature sensing. Frontiers of Optoelectronics, 2015, 8, 431-438.	3.7	4
155	Microfiber-Based Inline Mach-Zehnder Interferometer for Dual-Parameter Measurement. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	29
156	Noise Properties in SESAM-Based Mode-Locked Laser With Intracavity Pump Reflection Coating. IEEE Photonics Technology Letters, 2015, 27, 1200-1203.	2.5	0
157	Performance-Enhanced Direct Detection Optical OFDM Transmission With CAZAC Equalization. IEEE Photonics Technology Letters, 2015, 27, 1507-1510.	2.5	51
158	Slot Spiral Silicon Photonic Crystal Fiber With Property of Both High Birefringence and High Nonlinearity. IEEE Photonics Journal, 2014, 6, 1-7.	2.0	25
159	Wavelength tunable single longitudinal mode fiber laser pinned to 25 GHz spacing. Microwave and Optical Technology Letters, 2014, 56, 2404-2406.	1.4	3
160	Characterization of Fiber Bragg Grating Inscribed in Few-Mode Silica-Germanate Fiber. IEEE Photonics Technology Letters, 2014, 26, 1908-1911.	2.5	15
161	Absolute distance measurement based on femtosecond frequency comb with wavelet transform. Optical Engineering, 2014, 53, 122409.	1.0	4
162	Noninvasive respiration movement sensor based on distributed Bragg reflector fiber laser with beat frequency interrogation. Journal of Biomedical Optics, 2014, 19, 017003.	2.6	25

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163	Optical Fiber Acoustic Sensor Based on Nonstandard Fused Coupler and Aluminum Foil. IEEE Sensors Journal, 2014, 14, 2293-2298.	4.7	37
164	Multichannel Continuously Tunable Microwave Phase Shifter With Capability of Frequency Doubling. IEEE Photonics Journal, 2014, 6, 1-8.	2.0	9
165	Experimental Demonstration of Nonlinearity and Phase Noise Tolerant 16-QAM OFDM W-Band (75-110) THz. IEEE Photonics Journal, 2014, 6, 1-8.	4.6	10
166	Modeling and Analysis of Fiber Bragg Grating Based Visible Pr <sup>3+</sup> -Doped Fiber Lasers. Journal of Lightwave Technology, 2014, 32, 27-34.	4.6	6
167	Wideband Microfiber Fabry-Pérot Filter and Its Application to Multiwavelength Fiber Ring Laser. IEEE Photonics Technology Letters, 2014, 26, 961-964.	2.5	10
168	Reconfigurable UWB Pulse Generation Based on Multi-Taps and a Programmable Filter. IEEE Photonics Technology Letters, 2014, 26, 1395-1398.	2.5	2
169	All-VCSEL Transmitters With Remote Optical Injection for WDM-OFDM-PON. IEEE Photonics Technology Letters, 2014, 26, 461-464.	2.5	2
170	All-Optical DPSK Regenerative One-to-Nine Wavelength Multicasting Using Dual-Pump Degenerate Phase Sensitive Amplifier. Journal of Lightwave Technology, 2014, 32, 2605-2612.	4.6	8
171	2- $\mu$ m switchable dual-wavelength fiber laser with cascaded filter structure based on dual-channel Mach-Zehnder interferometer and spatial mode beating effect. Applied Physics B: Lasers and Optics, 2014, 117, 563-569.	2.2	24
172	Intensity demodulation-based acoustic sensor using dual fiber Bragg gratings and a titanium film. Journal of Modern Optics, 2014, 61, 1033-1038.	1.3	9
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