Chao Lu

List of Publications by Year
in descending order

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464	9,709	41344	60623
papers	citations	49 h-index	81 g-index

465	465	465	5248
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Digital Signal Processing for Short-Reach Optical Communications: A Review of Current Technologies and Future Trends. Journal of Lightwave Technology, 2018, 36, 377-400.	4.6	353
2	Experimental study of PAM-4, CAP-16, and DMT for 100 Gb/s Short Reach Optical Transmission Systems. Optics Express, 2015, 23, 1176.	3.4	277
3	Stable and uniform dual-wavelength erbium-doped fiber laser based on fiber Bragg gratings and photonic crystal fiber. Optics Express, 2005, 13, 142.	3.4	255
4	Mode-division multiplexed transmission with inline few-mode fiber amplifier. Optics Express, 2012, 20, 2668.	3.4	254
5	Optical Performance Monitoring: A Review of Current and Future Technologies. Journal of Lightwave Technology, 2016, 34, 525-543.	4.6	241
6	An Optical Communication's Perspective on Machine Learning and Its Applications. Journal of Lightwave Technology, 2019, 37, 493-516.	4.6	210
7	Temperature-Insensitive Interferometer Using a Highly Birefringent Photonic Crystal Fiber Loop Mirror. IEEE Photonics Technology Letters, 2004, 16, 2535-2537.	2.5	188
8	Joint OSNR monitoring and modulation format identification in digital coherent receivers using deep neural networks. Optics Express, 2017, 25, 17767.	3.4	181
9	Measurements of refractive index sensitivity using long-period grating refractometer. Optics Communications, 2004, 229, 65-69.	2.1	161
10	Switchable and tunable multiwavelength erbium-doped fiber laser with fiber Bragg gratings and photonic crystal fiber. IEEE Photonics Technology Letters, 2005, 17, 1626-1628.	2.5	144
11	Modulation Format Identification in Coherent Receivers Using Deep Machine Learning. IEEE Photonics Technology Letters, 2016, 28, 1886-1889.	2.5	134
12	Modulation format identification in heterogeneous fiber-optic networks using artificial neural networks. Optics Express, 2012, 20, 12422.	3.4	132
13	Signal processing using artificial neural network for BOTDA sensor system. Optics Express, 2016, 24, 6769.	3.4	124
14	All-optical fiber anemometer based on laser heated fiber Bragg gratings. Optics Express, 2011, 19, 10124.	3.4	122
15	Advanced modulation formats for short reach optical communication systems. IEEE Network, 2013, 27, 6-13.	6.9	114
16	Strain-insensitive and high-temperature long-period gratings inscribed in photonic crystal fiber. Optics Letters, 2005, 30, 367.	3.3	103
17	Nonlinear Frequency Division Multiplexed Transmissions Based on NFT. IEEE Photonics Technology Letters, 2015, 27, 1621-1623.	2.5	100
18	High-speed WDM-PON using CW injection-locked Fabry-PÃ©rot laser diodes. Optics Express, 2007, 15, 2953.	3.4	99

#	Article	IF	Citations
19	Advancing theoretical understanding and practical performance of signal processing for nonlinear optical communications through machine learning. Nature Communications, 2020, 11, 3694.	12.8	96
20	140-Gb/s 20-km Transmission of PAM-4 Signal at 1.3 <inline-formula> <tex-math notation="LaTeX">$mu ext{m}$ </tex-math></inline-formula> for Short Reach Communications. IEEE Photonics Technology Letters, 2015, 27, 1757-1760.	2.5	92
21	OSNR monitoring for QPSK and 16-QAM systems in presence of fiber nonlinearities for digital coherent receivers. Optics Express, 2012, 20, 19520.	3.4	91
22	Experimental demonstration of 10 Gb/s multi-level carrier-less amplitude and phase modulation for short range optical communication systems. Optics Express, 2013, 21, 6459.	3.4	89
23	Salinity sensor based on polyimide-coated photonic crystal fiber. Optics Express, 2011, 19, 20003.	3.4	86
24	A simplified model and optimal design of a multiwavelength backward-pumped fiber Raman amplifier. IEEE Photonics Technology Letters, 2001, 13, 945-947.	2.5	82
25	Active mode locking of tunable multi-wavelength fiber ring laser. Optics Communications, 2001, 191, 341-345.	2.1	80
26	Long-haul quasi-single-mode transmissions using few-mode fiber in presence of multi-path interference. Optics Express, 2015, 23, 3156.	3.4	80
27	Alternative Decoding Methods for Optical Communications Based on Nonlinear Fourier Transform. Journal of Lightwave Technology, 2017, 35, 1542-1550.	4.6	80
28	High-order modulation on a single discrete eigenvalue for optical communications based on nonlinear Fourier transform. Optics Express, 2017, 25, 20286.	3.4	77
29	Low-complexity and phase noise tolerant carrier phase estimation for dual-polarization 16-QAM systems. Optics Express, 2011, 19, 21717.	3.4	76
30	Intermodal coupling of supermodes in a twin-core photonic crystal fiber andâ€¨its application as a pressure sensor. Optics Express, 2012, 20, 21749.	3.4	75
31	Code for spectral amplitude coding optical CDMA systems. Electronics Letters, 2000, 36, 728.	1.0	69
32	Multiple four-wave mixing self-stability in optical fibers. Physical Review A, 2005, 72, .	2.5	66
33	Deep-notch, ultracompact long-period grating in a large-mode-area photonic crystal fiber. Optics Letters, 2003, 28, 2467.	3.3	64
34	40 Gb/s CAP32 System With DD-LMS Equalizer for Short Reach Optical Transmissions. IEEE Photonics Technology Letters, 2013, 25, 2346-2349.	2.5	63
35	Blind modulation format identification for digital coherent receivers. Optics Express, 2015, 23, 26769.	3.4	63
36	Multiwavelength erbium-doped fiber laser with 0.8-nm spacing using sampled Bragg grating and photonic crystal fiber. IEEE Photonics Technology Letters, 2005, 17, 2538-2540.	2.5	61

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37	In-line microfluidic refractometer based on C-shaped fiber assisted photonic crystal fiber Sagnac interferometer. Optics Letters, 2013, 38, 3283.	3.3	61
38	Performance study on a WDM packet switch with limited-range wavelength converters. IEEE Communications Letters, 2001, 5, 432-434.	4.1	60
39	Brillouin Optical Time-Domain Analyzer Assisted by Support Vector Machine for Ultrafast Temperature Extraction. Journal of Lightwave Technology, 2017, 35, 4159-4167.	4.6	60
40	Optical Performance Monitoring Using Artificial Neural Networks Trained With Empirical Moments of Asynchronously Sampled Signal Amplitudes. IEEE Photonics Technology Letters, 2012, 24, 982-984.	2.5	58
41	Brillouin optical time domain analyzer sensors assisted by advanced image denoising techniques. Optics Express, 2018, 26, 5126.	3.4	57
42	Advanced DSP Techniques Enabling High Spectral Efficiency and Flexible Transmissions: Toward elastic optical networks. IEEE Signal Processing Magazine, 2014, 31, 82-92.	5.6	56
43	FBG sensor interrogation with high temperature insensitivity by using a HiBi-PCF Sagnac loop filter. Optics Communications, 2005, 250, 63-68.	2.1	54
44	Nonlinear frequency division multiplexing with b-modulation: shifting the energy barrier. Optics Express, 2018, 26, 27978.	3.4	54
45	Passive mode locking at harmonics of the free spectral range of the intracavity filter in a fiber ring laser. Optics Letters, 2005, 30, 2852.	3.3	53
46	Photonic microwave phase shifter/modulator based on a nonlinear optical loop mirror incorporating a Mach-Zehnder interferometer. Optics Letters, 2007, 32, 745.	3.3	53
47	Fast polarization-state tracking scheme based on radius-directed linear Kalman filter. Optics Express, 2015, 23, 19673.	3.4	53
48	Fast and Robust Blind Chromatic Dispersion Estimation Using Auto-Correlation of Signal Power Waveform for Digital Coherent Systems. Journal of Lightwave Technology, 2013, 31, 306-312.	4.6	51
49	Ultrahigh birefringence index-guiding photonic crystal fiber and its application for pressure and temperature discrimination. Optics Letters, 2013, 38, 1385.	3.3	51
50	Cascaded All-Optical Wavelength Conversion for RZ-DPSK Signal Based on Four-Wave Mixing in Semiconductor Optical Amplifier. IEEE Photonics Technology Letters, 2004, 16, 1685-1687.	2.5	50
51	Scanning-free BOTDA based on ultra-fine digital optical frequency comb. Optics Express, 2015, 23, 5277.	3.4	50
52	Deep neural networks assisted BOTDA for simultaneous temperature and strain measurement with enhanced accuracy. Optics Express, 2019, 27, 2530.	3.4	50
53	Temperature-insensitive fiber Bragg grating accelerometer. IEEE Photonics Technology Letters, 2003, 15, 1437-1439.	2.5	48
54	Efficient wavelet-based image denoising algorithm. Electronics Letters, 2001, 37, 683.	1.0	47

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55	Distributed multicore fiber sensors. Opto-Electronic Advances, 2020, 3, 19002401-19002417.	13.3	47
56	Mid-Infrared Octave-Spanning Supercontinuum and Frequency Comb Generation in a Suspended Germanium-Membrane Ridge Waveguide. Journal of Lightwave Technology, 2017, 35, 2994-3002.	4.6	46
57	Field trial of Machine-Learning-assisted and SDN-based Optical Network Planning with Network-Scale Monitoring Database. , 2017, , .		46
58	Microbend-induced mode coupling in a graded-index multimode fiber. Applied Optics, 2005, 44, 7394.	2.1	44
59	Algorithms for Blind Separation and Estimation of Transmitter and Receiver IQ Imbalances. Journal of Lightwave Technology, 2019, 37, 2201-2208.	4.6	44
60	VCSEL-Based Tilted Fiber Grating Vibration Sensing System. IEEE Photonics Technology Letters, 2010, 22, 1235-1237.	2.5	42
61	Beat-frequency adjustable Er^3+-doped DBR fiber laser for ultrasound detection. Optics Express, 2011, 19, 2485.	3.4	42
62	Single-measurement digital optical frequency comb based phase-detection Brillouin optical time domain analyzer. Optics Express, 2017, 25, 9213.	3.4	41
63	Dispersion-flattened polarization-maintaining photonic crystal fiber for nonlinear applications. Optics Communications, 2009, 282, 4072-4076.	2.1	40
64	Pattern recognition in distributed fiber-optic acoustic sensor using an intensity and phase stacked convolutional neural network with data augmentation. Optics Express, 2021, 29, 3269.	3.4	40
65	Non-invasive human vital signs monitoring based on twin-core optical fiber sensors. Biomedical Optics Express, 2019, 10, 5940.	2.9	40
66	High performance thin-film lithium niobate modulator on a silicon substrate using periodic capacitively loaded traveling-wave electrode. APL Photonics, 2022, 7, .	5.7	40
67	WDM-PON Architectures With a Single Shared Interferometric Filter for Carrier-Reuse Upstream Transmission. Journal of Lightwave Technology, 2007, 25, 3669-3677.	4.6	39
68	Microstructured Optical Fiber Sensors. Journal of Lightwave Technology, 2017, 35, 3425-3439.	4.6	39
69	Experimental demonstration of joint OSNR monitoring and modulation format identification using asynchronous single channel sampling. Optics Express, 2015, 23, 30337.	3.4	38
70	Label-free, disposable fiber-optic biosensors for DNA hybridization detection. Analyst, The, 2013, 138, 1988.	3.5	37
71	A novel PSK-manchester Modulation format in 10-gb/s passive optical network system with high tolerance to beat interference noise. IEEE Photonics Technology Letters, 2005, 17, 1118-1120.	2.5	36
72	Highly Sensitive Compact Force Sensor Based on Microfiber Bragg Grating. IEEE Photonics Technology Letters, 2012, 24, 700-702.	2.5	36

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73	1-cm-Spatial-Resolution Brillouin Optical Time-Domain Analysis Based on Bright Pulse Brillouin Gain and Complementary Code. IEEE Photonics Journal, 2012, 4, 2243-2248.	2.0	36
74	Temperature extraction in Brillouin optical time-domain analysis sensors using principal component analysis based pattern recognition. Optics Express, 2017, 25, 16534.	3.4	36
75	Modulation-format-independent blind phase search algorithm for coherent optical square M-QAM systems. Optics Express, 2014, 22, 24044.	3.4	35
76	A distributed fiber vibration sensor utilizing dispersion induced walk-off effect in a unidirectional Mach-Zehnder interferometer. Optics Express, 2014, 22, 2167.	3.4	35
77	Theoretical and Experimental Optimum System Design for LTE-RoF Over Varying Transmission Span and Identification of System Nonlinear Limit. IEEE Photonics Journal, 2012, 4, 1560-1571.	2.0	34
78	In-line microfluidic integration of photonic crystal fibres as a highly sensitive refractometer. Analyst, The, 2014, 139, 5422-5429.	3.5	34
79	Experimental Demonstration of 500Gbit/s Short Reach Transmission Employing PAM4 Signal and Direct Detection with 25Gbps Device. , 2015, , .		34
80	A performance analysis of an all-optical clock extraction circuit based on Fabry-Perot filter. Journal of Lightwave Technology, 2001, 19, 603-613.	4.6	33
81	Strong $hbox{LP}_{01}$ and $hbox{LP}_{11}$ Mutual Coupling Conversion in a Two-Mode Fiber Bragg Grating. IEEE Photonics Journal, 2012, 4, 1080-1086.	2.0	33
82	Efficient MMSE-SQRD-Based MIMO Decoder for SEFDM-Based 2.4-Gb/s-Spectrum-Compressed WDM VLC System. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	33
83	Architectural design for multistage 2-D MEMS optical switches. Journal of Lightwave Technology, 2002, 20, 178-187.	4.6	32
84	OSNR Monitoring for RZ-DQPSK Systems Using Half-Symbol Delay-Tap Sampling Technique. IEEE Photonics Technology Letters, 2010, 22, 823-825.	2.5	32
85	Linear photonic radio frequency phase shifter using a differential-group-delay element and an optical phase modulator. Optics Letters, 2010, 35, 1881.	3.3	32
86	Adaptive Chromatic Dispersion Compensation for Coherent Communication Systems Using Delay-Tap Sampling Technique. IEEE Photonics Technology Letters, 2011, 23, 1016-1018.	2.5	32
87	Phase-shifted bandpass filter fabrication through CO2 laser irradiation. Optics Express, 2005, 13, 5878.	3.4	31
88	Carrier Phase Estimation Through the Rotation Algorithm for 64-QAM Optical Systems. Journal of Lightwave Technology, 2015, 33, 1766-1773.	4.6	31
89	Holey fiber design for single-polarization single-mode guidance. Applied Optics, 2009, 48, 4038.	2.1	30
90	Wideband-adjustable reflection-suppressed rejection filters using chirped and tilted fiber gratings. Optics Express, 2014, 22, 24430.	3.4	30

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91	Support vector machine assisted BOTDA utilizing combined Brillouin gain and phase information for enhanced sensing accuracy. Optics Express, 2017, 25, 31210.	3.4	30
92	Distributed Vibration Sensor Based on Space-Division Multiplexed Reflectometer and Interferometer in Multicore Fiber. Journal of Lightwave Technology, 2018, 36, 5764-5772.	4.6	30
93	Optimizing gain profile and noise performance for distributed fiber Raman amplifiers. Optics Express, 2004, 12, 6053.	3.4	29
94	112 Gb/s transmission over 80 km SSMF using PDM-PAM4 and coherent detection without optical amplifier. Optics Express, 2016, 24, 17359.	3.4	29
95	Fractional Fourier Transformation-Based Blind Chromatic Dispersion Estimation for Coherent Optical Communications. Journal of Lightwave Technology, 2016, 34, 2371-2380.	4.6	29
96	Experimental and Theoretical Investigation of the Polymer Optical Fiber Random Laser with Resonant Feedback. Advanced Optical Materials, 2018, 6, 1701187.	7.3	29
97	Continuously tunable microwave-photonic filter design using high-birefringence linear chirped grating. IEEE Photonics Technology Letters, 2003, 15, 754-756.	2.5	28
98	Algorithms for the design of WDM translucent optical networks. Optics Express, 2003, 11, 2917.	3.4	28
99	Improving Soliton Transmission Systems Through Soliton Interactions. Journal of Lightwave Technology, 2020, 38, 3563-3572.	4.6	28
100	Forward Transmission Based Ultra-Long Distributed Vibration Sensing With Wide Frequency Response. Journal of Lightwave Technology, 2021, 39, 2241-2249.	4.6	28
101	In-service signal quality monitoring and multi-impairment discrimination based on asynchronous amplitude histogram evaluation for NRZ-DPSK systems. IEEE Photonics Technology Letters, 2005, 17, 1998-2000.	2.5	27
102	A Highly Sensitive and Low-Cost Sagnac Loop Based Pressure Sensor. IEEE Sensors Journal, 2013, 13, 3073-3078.	4.7	27
103	Transmitter and receiver DSP for 112 Gbit/s PAM-4 amplifier-less transmissions using 25G-class EML and APD. Optics Express, 2018, 26, 22673.	3.4	27
104	Polarimetric heterodyning fiber laser sensor for directional acoustic signal measurement. Optics Express, 2013, 21, 18273.	3.4	26
105	Enhanced Coherent BOTDA System Without Trace Averaging. Journal of Lightwave Technology, 2018, 36, 871-878.	4.6	26
106	Mechanism for stable, ultra-flat multiwavelength operation in erbium-doped fiber lasers employing intensity-dependent loss. Optics and Laser Technology, 2012, 44, 74-77.	4.6	25
107	Modulation-Format-Independent Carrier Phase Estimation for Square M-QAM Systems. IEEE Photonics Technology Letters, 2013, 25, 1073-1076.	2.5	25
108	New bit-error-rate monitoring technique based on histograms and curve fitting. Optics Express, 2004, 12, 2507.	3.4	24

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109	Externally Modulated Optical Minimum Shift Keying Format. Journal of Lightwave Technology, 2007, 25, 3151-3160.	4.6	24
110	Modulation Format Identification Based on Received Signal Power Distributions for Digital Coherent Receivers. , 2014, , .		24
111	Experimental Full Duplex Simultaneous Transmission of LTE Over a DWDM Directly Modulated RoF System. Journal of Optical Communications and Networking, 2014, 6, 8.	4.8	24
112	Automatic modulation format/bit-rate classification and signal-to-noise ratio estimation using asynchronous delay-tap sampling. Computers and Electrical Engineering, 2015, 47, 126-133.	4.8	24
113	Hollow Core Bragg Fiber Integrated With Regenerate Fiber Bragg Grating for Simultaneous High Temperature and gas Pressure Sensing. Journal of Lightwave Technology, 2021, 39, 5643-5649.	4.6	24
114	Design of multistage gain-flattened fiber Raman amplifiers. Journal of Lightwave Technology, 2006, 24, 935-944.	4.6	23
115	Fiber Bragg grating strain sensor based on fiber laser. Optics Communications, 2007, 271, 203-206.	2.1	23
116	Statistical Analysis of Optical Signal-to-Noise Ratio Monitoring Using Delay-Tap Sampling. IEEE Photonics Technology Letters, 2010, 22, 149-151.	2.5	23
117	Bidirectional Hybrid OFDM-WDM-PON System for 40-Gb/s Downlink and 10-Gb/s Uplink Transmission Using RSOA Remodulation. IEEE Photonics Technology Letters, 2012, 24, 2024-2026.	2.5	23
118	Multi-Symbol Digital Signal Processing Techniques for Discrete Eigenvalue Transmissions Based on Nonlinear Fourier Transform. Journal of Lightwave Technology, 2021, 39, 5459-5467.	4.6	23
119	PMD and Chirp Effects Suppression in RF Tone-Based Chromatic Dispersion Monitoring. IEEE Photonics Technology Letters, 2006, 18, 673-675.	2.5	22
120	Multiwavelength Erbium-Doped Fiber Laser Employing Cavity Loss Modulation. IEEE Photonics Technology Letters, 2009, 21, 1314-1316.	2.5	22
121	Signed chromatic dispersion monitoring of 100Gbit/s CS-RZ DQPSK signal by evaluating the asymmetry ratio of delay tap sampling. Optics Express, 2010, 18, 3149.	3.4	22
122	Single tilted Bragg reflector fiber laser for simultaneous sensing of refractive index and temperature. Optics Express, 2011, 19, 409.	3.4	22
123	Learning Enabled Continuous Transmission of Spatially Distributed Information through Multimode Fibers. Laser and Photonics Reviews, 2021, 15, 2000348.	8.7	22
124	Performance comparisons between machine learning and analytical models for quality of transmission estimation in wavelength-division-multiplexed systems [Invited]. Journal of Optical Communications and Networking, 2021, 13, B35.	4.8	22
125	Optical Performance Monitoring in Fiber-Optic Networks Enabled by Machine Learning Techniques. , 2018, , .		22
126	CO/sub 2/-laser-induced long-period gratings in graded-index multimode fibers for sensor applications. IEEE Photonics Technology Letters, 2006, 18, 190-192.	2.5	21

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127	Performance analysis of blind timing phase estimators for digital coherent receivers. Optics Express, 2014, 22, 6749.	3.4	21
128	Investigation of Optical Modulators in Optimized Nonlinear Compensated LTE RoF System. Journal of Lightwave Technology, 2014, 32, 1944-1950.	4.6	21
129	Support Vector Machine based Differential Pulse-width Pair Brillouin Optical Time Domain Analyzer. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	21
130	Experimental demonstration of pre-electronic dispersion compensation in IM/DD systems using an iterative algorithm. Optics Express, 2021, 29, 24735.	3.4	21
131	Simultaneous measurement of temperature and strain based on a hollow core Bragg fiber. Optics Letters, 2020, 45, 6122.	3.3	21
132	Operation of WDM networks with different wavelength conversion capabilities. IEEE Communications Letters, 2000, 4, 239-241.	4.1	20
133	Tunable high-Q photonic-bandgap Fabry-Perot resonator. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1770.	2.1	20
134	Chromatic dispersion monitoring for multiple modulation formats and data rates using sideband optical filtering and asynchronous amplitude sampling technique. Optics Express, 2011, 19, 1007.	3.4	20
135	Modulation-format-independent OSNR monitoring insensitive to cascaded filtering effects by low-cost coherent receptions and RF power measurements. Optics Express, 2015, 23, 15971.	3.4	20
136	Robust in-fiber spatial interferometer using multicore fiber for vibration detection. Optics Express, 2018, 26, 29629.	3.4	20
137	Evaluation of intraband crosstalk in an FBG-OC-based optical cross connect. IEEE Photonics Technology Letters, 2002, 14, 212-214.	2.5	19
138	40 Gb/s CAP32 short reach transmission over 80 km single mode fiber. Optics Express, 2015, 23, 11412.	3.4	19
139	Robust and Fast Temperature Extraction for Brillouin Optical Time-Domain Analyzer by Using Denoising Autoencoder-Based Deep Neural Networks. IEEE Sensors Journal, 2020, 20, 3614-3620.	4.7	19
140	Studies on strain and temperature characteristics of a slanted multimode fiber Bragg grating and its application in multiwavelength fiber Raman ring laser. Journal of Lightwave Technology, 2006, 24, 2394-2400.	4.6	18
141	Chromatic Dispersion Monitoring for DPSK Systems Using RF Power Spectrum. Journal of Lightwave Technology, 2009, 27, 5704-5709.	4.6	18
142	Machine Learning Methods for Optical Communication Systems. , 2017, , .		18
143	Bend-Insensitive Grapefruit-Type Holey Ring-Core Fiber for Weakly-Coupled OAM Mode Division Multiplexing Transmission. Journal of Lightwave Technology, 2020, 38, 4497-4503.	4.6	18
144	Performance analysis under dynamic loading of wavelength continuous and non-continuous WDM networks with shortest-path routing. International Journal of Communication Systems, 2001, 14, 407-418.	2.5	17

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145	Crosstalk analysis for limited-wavelength-interchanging cross connects. IEEE Photonics Technology Letters, 2002, 14, 696-698.	2.5	17
146	Design and analysis of thermally tunable liquid crystal filled hybrid photonic crystal fiber coupler. Optics Communications, 2009, 282, 2343-2347.	2.1	17
147	High-resolution optical spectrum characterization using optical channel estimation and spectrum stitching technique. Optics Letters, 2013, 38, 2314.	3.3	17
148	Low-Complexity Carrier Phase Recovery for Square M-QAM Based on S-BPS Algorithm. IEEE Photonics Technology Letters, 2014, 26, 1863-1866.	2.5	17
149	Modulation format identification assisted by sparse-fast-Fourier-transform for hitless flexible coherent transceivers. Optics Express, 2019, 27, 7072.	3.4	17
150	CMOS-compatible high-index doped silica waveguide with an embedded silicon-nanocrystal strip for all-optical analog-to-digital conversion. Photonics Research, 2019, 7, 1200.	7.0	17
151	Improving dispersion tolerance of manchester coding by incorporating duobinary coding. IEEE Photonics Technology Letters, 2006, 18, 1723-1725.	2.5	16
152	Carrier-Reuse WDM-PON Using a Shared Delay Interferometer for Separating Carriers and Subcarriers. IEEE Photonics Technology Letters, 2007, 19, 837-839.	2.5	16
153	NRZ-DPSK and RZ-DPSK Signals Signed Chromatic Dispersion Monitoring Using Asynchronous Delay-Tap Sampling. Journal of Lightwave Technology, 2009, 27, 5295-5301.	4.6	16
154	Fiber Bragg Grating Anemometer With Reduced Pump Power-Dependency. IEEE Photonics Technology Letters, 2013, 25, 2450-2453.	2.5	16
155	A comprehensive theoretical model for on-chip microring-based photonic fractional differentiators. Scientific Reports, 2015, 5, 14216.	3.3	16
156	Pump RIN-induced impairments in unrepeatered transmission systems using distributed Raman amplifier. Optics Express, 2015, 23, 11838.	3.4	16
157	Intelligent 2-Dimensional Soft Decision Enabled by K-Means Clustering for VCSEL-Based 112-Gbps PAM-4 and PAM-8 Optical Interconnection. Journal of Lightwave Technology, 2019, 37, 6133-6146.	4.6	16
158	Recent Advances in Short Reach Systems. , 2017, , .		16
159	Tunable Compensation of First-Order PMD Using a High-Birefringence Linearly Chirped Fiber Bragg Grating. IEEE Photonics Technology Letters, 2004, 16, 846-848.	2.5	15
160	Design of wavelength-switching erbium-doped fiber lasers with a multimode fiber Bragg grating using spatial-mode excitation and selection techniques. IEEE Photonics Technology Letters, 2005, 17, 315-317.	2.5	15
161	Tunable photonic microwave bandpass filter using phase Modulation and a chirped fiber grating in a Sagnac loop. IEEE Photonics Technology Letters, 2005, 17, 1935-1937.	2.5	15
162	Ultrahigh-Q microwave photonic filter with tunable Q value utilizing cascaded optical-electrical feedback loops. Optics Letters, 2013, 38, 4304.	3.3	15

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163	Theoretical studies on the polarization-modulator-based single-side-band modulator used for generation of optical multicarrier. Optics Express, 2014, 22, 14087.	3.4	15
164	Polarization-interleave-multiplexed discrete multi-tone modulation with direct detection utilizing MIMO equalization. Optics Express, 2015, 23, 8409.	3.4	15
165	Experimental demonstration of 608Gbit/s short reach transmission employing half-cycle 16QAM Nyquist-SCM signal and direct detection with 25Gbps EML. Optics Express, 2016, 24, 25057.	3.4	15
166	Promising compact wavelength-tunable optical addâ€“drop multiplexer in dense wavelength-division multiplexing systems. Optics Letters, 2004, 29, 682.	3.3	14
167	Characteristics of Subcarrier Modulation and Its Application in WDM-PONs. Journal of Lightwave Technology, 2009, 27, 2069-2076.	4.6	14
168	Superlattice Microstructured Optical Fiber. Materials, 2014, 7, 4567-4573.	2.9	14
169	Decision-Feedback Frequency-Domain Volterra Nonlinear Equalizer for IM/DD OFDM Long-Reach PON. Journal of Lightwave Technology, 2019, 37, 3333-3342.	4.6	14
170	Correlated Eigenvalues of Multi-Soliton Optical Communications. Scientific Reports, 2019, 9, 6399.	3.3	14
171	Improving the Spatial Resolution of a BOTDA Sensor Using Deconvolution Algorithm. Journal of Lightwave Technology, 2021, 39, 2215-2222.	4.6	14
172	Distributed Optical Fiber Sensing Assisted by Optical Communication Techniques. Journal of Lightwave Technology, 2021, 39, 3654-3670.	4.6	14
173	Novel accelerometer realized by a polarization-maintaining photonic crystal fiber for railway monitoring applications. Optics Express, 2019, 27, 21597.	3.4	14
174	Deep Learning Enhanced Long-Range Fast BOTDA for Vibration Measurement. Journal of Lightwave Technology, 2022, 40, 262-268.	4.6	14
175	Fiber Bragg grating-based rearrangeable nonblocking optical cross connects using multiport optical circulators. IEEE Photonics Technology Letters, 2000, 12, 696-698.	2.5	13
176	EDFA gain flattening using phase-shifted long-period grating. Microwave and Optical Technology Letters, 2003, 37, 153-157.	1.4	13
177	Array interconnection for rearrangeable 2-D MEMS optical switch. Journal of Lightwave Technology, 2003, 21, 1134-1140.	4.6	13
178	The characteristics of fiber slanted gratings in multimode fiber. Optics Communications, 2004, 229, 161-165.	2.1	13
179	Wide-passband, temperature-insensitive, and compact Ï€-phase-shifted long-period gratings in endlessly single-mode photonic crystal fiber. Optics Letters, 2004, 29, 2608.	3.3	13
180	Effect of a nonlinear photonic Crystal fiber on the noise characterization of a distributed Raman amplifier. IEEE Photonics Technology Letters, 2005, 17, 561-563.	2.5	13

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