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	Textile-based fiber optic sensors for health monitoring: A systematic and citation network analysis review. Textile Reseach Journal, 2022, 92, 2922-2934.	2.2	5
2	Deep Learning Enhanced Long-Range Fast BOTDA for Vibration Measurement. Journal of Lightwave Technology, 2022, 40, 262-268.	4.6	14
3	Dynamic Evaluation of Four CV Modes Multiplexing System Using Kramersâ€“Kronig Reception and 4 Ã— 4 Non-Singular MIMO. Journal of Lightwave Technology, 2022, 40, 1962-1971.	4.6	4
4	SNR enhancement for Brillouin distributed optical fiber sensors based on asynchronous control. Optics Express, 2022, 30, 4231.	3.4	7
5	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
6	Introduction to machine learning techniques: An optical communication's perspective. , 2022, , 1-42.		1
7	Dynamic BOTDA Based on Spectrally Efficient Frequency-Division Multiplexing. Journal of Lightwave Technology, 2022, 40, 4451-4457.	4.6	2
8	Low-latency and efficient retiming and equalizing scheme for a 112-Gbps bandwidth-limited optical PAM-4 system. Optics Express, 2022, 30, 14565.	3.4	3
9	High-sensitivity distributed relative salinity sensor based on frequency-scanning Ït-OTDR. Optics Express, 2022, 30, 22860.	3.4	6
10	Compact 100GBaud driverless thin-film lithium niobate modulator on a silicon substrate. Optics Express, 2022, 30, 25308.	3.4	12
11	Beyond 1.6 Tb/s Net Rate PAM Signal Transmission for Rack-Rack Optical Interconnects With Mode and Wavelength Division Multiplexing. Journal of Lightwave Technology, 2021, 39, 340-346.	4.6	9
12	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
13	Learning Enabled Continuous Transmission of Spatially Distributed Information through Multimode Fibers. Laser and Photonics Reviews, 2021, 15, 2000348.	8.7	22
14	Hybrid Coding and Filtering Technique for Optical IM-DD Link With Robustness to Multipath Interference and Bandwidth Limitation. IEEE Photonics Journal, 2021, 13, 1-10.	2.0	3
15	Optical Single Sideband Signal Reconstruction Based on Time-Domain Iteration. Journal of Lightwave Technology, 2021, 39, 2319-2326.	4.6	10
16	Improving the Spatial Resolution of a BOTDA Sensor Using Deconvolution Algorithm. Journal of Lightwave Technology, 2021, 39, 2215-2222.	4.6	14
17	Forward Transmission Based Ultra-Long Distributed Vibration Sensing With Wide Frequency Response. Journal of Lightwave Technology, 2021, 39, 2241-2249.	4.6	28
18	Joint OSNR and Frequency Offset Estimation Using Signal Spectrum Correlations. Journal of Lightwave Technology, 2021, 39, 2854-2863.	4.6	3

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19	Transmission and Generation of Orbital ANGULAR Momentum Modes in Optical Fibers. Photonics, 2021, 8, 246.	2.0	8
20	Vibration Detection in Distributed Acoustic Sensor With Threshold-Based Technique: A Statistical View and Analysis. Journal of Lightwave Technology, 2021, 39, 4082-4093.	4.6	7
21	Theoretical analysis of PAM-N and M-QAM BER computation with single-sideband signal. Science China Information Sciences, 2021, 64, 1.	4.3	4
22	Low-complexity sparse absolute-term based nonlinear equalizer for C-band IM/DD systems. Optics Express, 2021, 29, 21891.	3.4	11
23	Distributed Optical Fiber Sensing Assisted by Optical Communication Techniques. Journal of Lightwave Technology, 2021, 39, 3654-3670.	4.6	14
24	Experimental demonstration of pre-electronic dispersion compensation in IM/DD systems using an iterative algorithm. Optics Express, 2021, 29, 24735.	3.4	21
25	Unidirectional Ultra-Long Distributed Optical Fiber Sensor. IEEE Photonics Journal, 2021, 13, 1-7.	2.0	5
26	Design Optimization of Silicon and Lithium Niobate Hybrid Integrated Traveling-Wave Mach-Zehnder Modulator. IEEE Photonics Journal, 2021, 13, 1-6.	2.0	12
27	Fiber Vector Eigenmode Multiplexing Based High Capacity Transmission Over 5-km FMF With Kramers-Kronig Receiver. Journal of Lightwave Technology, 2021, 39, 4932-4938.	4.6	9
28	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
29	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
30	Combined Neural Network and Adaptive DSP Training for Long-Haul Optical Communications. Journal of Lightwave Technology, 2021, 39, 7083-7091.	4.6	9
31	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
32	Accelerated Fast BOTDA Assisted by Compressed Sensing and Image Denoising. IEEE Sensors Journal, 2021, 21, 25723-25729.	4.7	9
33	Improving Soliton Transmission Systems Through Soliton Interactions. Journal of Lightwave Technology, 2020, 38, 3563-3572.	4.6	28
34	Machine learning methods for optical communication systems and networks. , 2020, , 921-978.		12
35	Accurate BER Estimation Scheme Based on K-Means Clustering Assisted Gaussian Approach for Arbitrary Modulation Format. Journal of Lightwave Technology, 2020, 38, 2152-2157.	4.6	9
36	BOTDA Fiber Sensor System Based on FPGA Accelerated Support Vector Regression. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3826-3837.	4.7	5

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37	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
38	Advancing theoretical understanding and practical performance of signal processing for nonlinear optical communications through machine learning. Nature Communications, 2020, 11, 3694.	12.8	96
39	Theoretical and numerical analyses for PDM-IM signals using Stokes vector receivers. Science China Information Sciences, 2020, 63, 1.	4.3	4
40	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
41	Enhancing SNR by Anisotropic Diffusion for Brillouin Distributed Optical Fiber Sensors. Journal of Lightwave Technology, 2020, 38, 5844-5852.	4.6	10
42	Impact-Based Feature Extraction Utilizing Differential Signals of Phase-Sensitive OTDR. Journal of Lightwave Technology, 2020, 38, 2539-2546.	4.6	9
43	Design of Weakly Coupled Two-Mode Hollow-Core Antiresonant Fiber With Low Loss. Journal of Lightwave Technology, 2020, 38, 864-874.	4.6	13
44	Integrating Radio-Over-Fiber Communication System and BOTDR Sensor System. Sensors, 2020, 20, 2232.	3.8	8
45	Simultaneous measurement of temperature and strain based on a hollow core Bragg fiber. Optics Letters, 2020, 45, 6122.	3.3	21
46	Distributed multicore fiber sensors. Opto-Electronic Advances, 2020, 3, 19002401-19002417.	13.3	47
47	1.12 Tbit/s fiber vector eigenmode multiplexing transmission over 5-km FMF with Kramers-Kronig receiver. , 2020, , .		2
48	Joint linear and nonlinear noise monitoring techniques based on spectrum analysis. Optics Express, 2020, 28, 36953.	3.4	3
49	Efficient Timing/Frequency Synchronization Based on Sparse Fast Fourier Transform. Journal of Lightwave Technology, 2019, 37, 5299-5308.	4.6	5
50	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
51	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
52	200-Gb/s optical SEFDM transmission using low-complexity log-MAP based detection for short reach optical interconnects. , 2019, , .		0
53	Improved Perturbation Detection in Direct Detected -OTDR Systems using Matched Filtering. IEEE Photonics Technology Letters, 2019, 31, 1689-1692.	2.5	7
54	Correlated Eigenvalues of Multi-Soliton Optical Communications. Scientific Reports, 2019, 9, 6399.	3.3	14

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55	An Optical Communication's Perspective on Machine Learning and Its Applications. Journal of Lightwave Technology, 2019, 37, 493-516.	4.6	210
56	Algorithms for Blind Separation and Estimation of Transmitter and Receiver IQ Imbalances. Journal of Lightwave Technology, 2019, 37, 2201-2208.	4.6	44
57	140-GBaud PAM-4 Transmission Using Optical Band Interleaving, Kramers-Kronig Detection and Volterra Based Equalization. , 2019, , .		0
58	Sparse-fast-Fourier-Transform Assisted Timing/Frequency Synchronization for Optical Coherent Receivers. , 2019, , .		0
59	Theoretical CSPR Analysis and Performance Comparison for Four Single-Sideband Modulation Schemes With Kramers-Kronig Receiver. IEEE Access, 2019, 7, 166257-166267.	4.2	9
60	Multi-Dimensional Optical Fiber Sensing Enabled by Digital Coherent Optical Technologies. Journal of Lightwave Technology, 2019, 37, 2488-2501.	4.6	3
61	Non-invasive human vital signs monitoring based on twin-core optical fiber sensors. Biomedical Optics Express, 2019, 10, 5940.	2.9	40
62	Deep neural networks assisted BOTDA for simultaneous temperature and strain measurement with enhanced accuracy. Optics Express, 2019, 27, 2530.	3.4	50
63	Modulation format identification assisted by sparse-fast-Fourier-transform for hitless flexible coherent transceivers. Optics Express, 2019, 27, 7072.	3.4	17
64	Novel accelerometer realized by a polarization-maintaining photonic crystal fiber for railway monitoring applications. Optics Express, 2019, 27, 21597.	3.4	14
65	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
66	Signal Processing Techniques for Nonlinear Fourier Transform Systems. , 2019, , .		1
67	Experimental and Theoretical Investigation of the Polymer Optical Fiber Random Laser with Resonant Feedback. Advanced Optical Materials, 2018, 6, 1701187.	7.3	29
68	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
69	Enhanced Coherent BOTDA System Without Trace Averaging. Journal of Lightwave Technology, 2018, 36, 871-878.	4.6	26
70	Advanced signal processing techniques for direct detected short reach systems. , 2018, , .		1
71	260-Gb/s PAM-6 Transmission Using Joint Optical Pre-equalization and a Low-complexity Volterra Equalizer for Short-Reach Optical Interconnects. , 2018, , .		3
72	Averaging-free vector Brillouin optical time domain analyzer assisted by reference probe lightwave. Optics Express, 2018, 26, 33993.	3.4	4

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73	Dispersion Tolerant 66.7-Gb/s SEFDM IM/DD Transmission Over 77-km SSMF. , 2018, , .		3
74	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
75	Machine Learning-Assisted Optical Performance Monitoring in Fiber-Optic Networks. , 2018, , .		2
76	Experimental study of single channel 100â€Gbit/s PAM4 transmission over 40â€km using 17â€GHz EML and APD at O band. Optical Fiber Technology, 2018, 45, 411-414.	2.7	2
77	Support Vector Machine based Differential Pulse-width Pair Brillouin Optical Time Domain Analyzer. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	21
78	Brillouin optical time domain analyzer sensors assisted by advanced image denoising techniques. Optics Express, 2018, 26, 5126.	3.4	57
79	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
80	Application of Machine Learning Techniques in Fiber-Optic Communication Systems. , 2018, , .		1
81	Channel equalisation and data detection for SEFDM over frequency selective fading channels. IET Communications, 2018, 12, 2315-2323.	2.2	9
82	120 Gbaud PAM-4 transmission over 80-km SSMF using optical band interleaving and Kramers-Kronig detection. Optics Express, 2018, 26, 25934.	3.4	10
83	Nonlinear frequency division multiplexing with b-modulation: shifting the energy barrier. Optics Express, 2018, 26, 27978.	3.4	54
84	Robust in-fiber spatial interferometer using multicore fiber for vibration detection. Optics Express, 2018, 26, 29629.	3.4	20
85	Optical Performance Monitoring in Fiber-Optic Networks Enabled by Machine Learning Techniques. , 2018, , .		22
86	Comparison for 100 Gb/s PDM-DD Short Reach Optical Communication System Transmission Performance with PAM4, CAP16 and DMT. , 2018, , .		0
87	150-Gb/s SEFDM IM/DD transmission using log-MAP Viterbi decoding for short reach optical links. Optics Express, 2018, 26, 31075.	3.4	11
88	Alternative Decoding Methods for Optical Communications Based on Nonlinear Fourier Transform. Journal of Lightwave Technology, 2017, 35, 1542-1550.	4.6	80
89	Coherent BOTDA Using Phase- and Polarization-Diversity Heterodyne Detection and Embedded Digital Signal Processing. IEEE Sensors Journal, 2017, 17, 3728-3734.	4.7	7
90	Coherent-detection-assisted BOTDA system without averaging using single-sideband modulated local oscillator signal. , 2017, , .		0

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91	Deep-ultraviolet second-harmonic generation by combined degenerate four-wave mixing and surface nonlinearity polarization in photonic crystal fiber. Scientific Reports, 2017, 7, 9224.	3.3	2
92	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
93	Signal power distribution based modulation format identification for coherent optical receivers. Optical Fiber Technology, 2017, 36, 75-81.	2.7	12
94	Microstructured Optical Fiber Sensors. Journal of Lightwave Technology, 2017, 35, 3425-3439.	4.6	39
95	Ultrafast Temperature Extraction Using Support Vector Machine Based Data Classifier for BOTDA Sensors. , 2017, , .		1
96	Amplifier-Less Transmission of Single Channel 112Gbit/s PAM4 Signal Over 40km Using 25G EML and APD at O band. , 2017, , .		10
97	Field trial of Machine-Learning-assisted and SDN-based Optical Network Planning with Network-Scale Monitoring Database. , 2017, , .		46
98	Extraction of temperature distribution using deep neural networks for BOTDA sensing system. , 2017, , .		5
99	BOTDA sensor utilizing digital optical frequency comb based phase spectrum measurement. , 2017, , .		1
100	PDM-SSB-OFDM transmission over 80km SSMF based on a single photodetector at C-band. , 2017, , .		1
101	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
102	Double-side EML for high speed optical short reach and metro applications. , 2017, , .		0
103	Single Channel 50 Gbit/s Transmission Over 40 km SSMF Without Optical Amplification and In-Line Dispersion Compensation Using a Single-End PD-Based PDM-SSB-DMT System. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	4
104	Highly Sensitive Small Pressure Monitoring Using Hyperelastic Silicone-Cladding/Silica-Core Composite Optical Fiber. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	12
105	Single-measurement digital optical frequency comb based phase-detection Brillouin optical time domain analyzer. Optics Express, 2017, 25, 9213.	3.4	41
106	Temperature extraction in Brillouin optical time-domain analysis sensors using principal component analysis based pattern recognition. Optics Express, 2017, 25, 16534.	3.4	36
107	Joint OSNR monitoring and modulation format identification in digital coherent receivers using deep neural networks. Optics Express, 2017, 25, 17767.	3.4	181
108	High-order modulation on a single discrete eigenvalue for optical communications based on nonlinear Fourier transform. Optics Express, 2017, 25, 20286.	3.4	77

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109	Support vector machine assisted BOTDA utilizing combined Brillouin gain and phase information for enhanced sensing accuracy. Optics Express, 2017, 25, 31210.	3.4	30
110	Machine Learning Methods for Optical Communication Systems. , 2017, , .		18
111	Brillouin optical time domain analyzer enhanced by artificial/deep neural networks. , 2017, , .		3
112	Single measurement Brillouin optical time domain analyzer based on digital optical frequency comb. , 2017, , .		0
113	4 bits/symbol Phase and Amplitude Modulation on a Single Discrete Eigenvalue for Transmissions based on Nonlinear Fourier Transform. , 2017, , .		5
114	Amplifier-Less Transmission of 56Gbit/s PAM4 over 60km Using 25Gbps EML and APD. , 2017, , .		7
115	Recent Advances in Short Reach Systems. , 2017, , .		16
116	50-Gb/s PDM-DMT-SSB Transmission over 40km SSMF using a Single Photodetector in C-band. , 2017, , .		2
117	Polarization-dependent intermodal four-wave mixing in a birefringent multimode photonic crystal fiber. Optics Letters, 2017, 42, 1644.	3.3	8
118	Passive generation of parabolic similaritons in tapered hydrogenated amorphous silicon photonic wires. , 2017, , .		0
119	Experimental generation of deep-ultraviolet second-harmonics in an air-silica photonic crystal fiber. , 2017, , .		0
120	Support Vector Machine for Temperature Extraction from Brillouin Phase Spectrum. , 2017, , .		0
121	Nonlinear Fiber-Optic Communications based on Nonlinear Fourier Transform. , 2017, , .		0
122	100-Gb/s 80-km transmission of PIM-SSB-OFDM at C-band using a single-end photodetector. Optical Engineering, 2017, 56, 1.	1.0	0
123	Bi-Directional Brillouin Optical Time Domain Analyzer System for Long Range Distributed Sensing. Sensors, 2016, 16, 2156.	3.8	1
124	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
125	Transmission of a 120-GBd PM-NRZ Signal Using a Monolithic Double-Side EML. IEEE Photonics Technology Letters, 2016, 28, 2176-2179.	2.5	11
126	40 Gb/s Mode-Division Multiplexed DD-OFDM Transmission Over Standard Multi-Mode Fiber. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	12

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127	DSP for high speed short reach transmission systems. , 2016, , .		0
128	On-chip integratable all-optical quantizer using strong cross-phase modulation in a silicon-organic hybrid slot waveguide. Scientific Reports, 2016, 6, 19528.	3.3	11
129	112-Gbit/s PDM-PAM4 transmission over 80-km SMF using digital coherent detection without optical amplifier. , 2016, , .		0
130	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
131	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
132	Experimental demonstration of 125Gbit/s half-cycle 32QAM Nyquist-SCM transmission system for short reach communications. , 2016, , .		0
133	Post-FEC performance evaluation of coherent QPSK system with an enhanced pilot-aided CPE scheme. Photonic Network Communications, 2016, 32, 230-235.	2.7	0
134	Signal processing using artificial neural network for BOTDA sensor system. Optics Express, 2016, 24, 6769.	3.4	124
135	Modulation Format Identification in Coherent Receivers Using Deep Machine Learning. IEEE Photonics Technology Letters, 2016, 28, 1886-1889.	2.5	134
136	Fractional Fourier Transformation-Based Blind Chromatic Dispersion Estimation for Coherent Optical Communications. Journal of Lightwave Technology, 2016, 34, 2371-2380.	4.6	29
137	Optical Performance Monitoring: A Review of Current and Future Technologies. Journal of Lightwave Technology, 2016, 34, 525-543.	4.6	241
138	Phase Modulation on Nonlinear Discrete Spectrum for Nonlinear Frequency Division Multiplexed Transmissions. , 2016, , .		4
139	Programmable long-period grating in a liquid core optical fiber. Optics Letters, 2016, 41, 4763.	3.3	5
140	Recent Advances for High Speed Data Center Inter-connects. , 2016, , .		1
141	High Speed Short Reach Transmission Systems Enabled by DSP. , 2016, , .		1
142	High-Extinction-Ratio Multi-Wavelength Optical Source Based on an On-Chip Nonlinear Micro-Ring Resonator. , 2016, , .		0
143	Nonlinear Fiber-Optic Communications Using Nonlinear Frequency Division Multiplexing. , 2016, , .		0
144	Polarization-Multiplexed DMT With IM-DD Using 2 × 2 MIMO Processing Based on SOP Estimation and MPBI Elimination. IEEE Photonics Journal, 2015, 7, 1-12.	2.0	6

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145	Single DWDM channel 56 Gbps 2 km transmission based on injection locked FP laser enabling beyond Tbps Intra-DC connection. , 2015, , .		0
146	A comprehensive theoretical model for on-chip microring-based photonic fractional differentiators. Scientific Reports, 2015, 5, 14216.	3.3	16
147	Performance and Complexity Comparison of CPE Algorithms for 256-QAM Optical Signals. , 2015, , .		1
148	Blind modulation format identification for digital coherent receivers. Optics Express, 2015, 23, 26769.	3.4	63
149	Experimental demonstration of joint OSNR monitoring and modulation format identification using asynchronous single channel sampling. Optics Express, 2015, 23, 30337.	3.4	38
150	Pump RIN-induced impairments in unrepeatered transmission systems using distributed Raman amplifier. Optics Express, 2015, 23, 11838.	3.4	16
151	Transmission of 112Gbit/s single polarization half-cycle 16QAM Nyquist-SCM with 25Gbps EML and direct detection. , 2015, , .		3
152	Investigation of microwave photonic filter based on multiple longitudinal modes fiber laser source. Optical Fiber Technology, 2015, 23, 122-128.	2.7	0
153	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
154	Carrier Phase Estimation Through the Rotation Algorithm for 64-QAM Optical Systems. Journal of Lightwave Technology, 2015, 33, 1766-1773.	4.6	31
155	Fast polarization-state tracking scheme based on radius-directed linear Kalman filter. Optics Express, 2015, 23, 19673.	3.4	53
156	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
157	Long-haul quasi-single-mode transmissions using few-mode fiber in presence of multi-path interference. Optics Express, 2015, 23, 3156.	3.4	80
158	Scanning-free BOTDA based on ultra-fine digital optical frequency comb. Optics Express, 2015, 23, 5277.	3.4	50
159	Polarization-interleave-multiplexed discrete multi-tone modulation with direct detection utilizing MIMO equalization. Optics Express, 2015, 23, 8409.	3.4	15
160	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
161	40 Gb/s CAP32 short reach transmission over 80 km single mode fiber. Optics Express, 2015, 23, 11412.	3.4	19
162	Advanced modulation formats for 100Gb/s/lambda short reach applications. , 2015, , .		2

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163	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
164	Experimental Demonstration of 500Gbit/s Short Reach Transmission Employing PAM4 Signal and Direct Detection with 25Gbps Device. , 2015, , .		34
165	Nonlinear Frequency Division Multiplexed Transmissions Based on NFT. IEEE Photonics Technology Letters, 2015, 27, 1621-1623.	2.5	100
166	Optical Performance Monitoring in DSP-based Coherent Optical Systems. , 2015, , .		8
167	Fiber laser sensor for simultaneously axial strain and transverse load detection. Measurement: Journal of the International Measurement Confederation, 2015, 62, 137-141.	5.0	9
168	High-speed, Long-haul, Quasi-single-mode Transmissions Using Few-mode Fiber. , 2015, , .		0
169	Assessment of MPI Compensation Effectiveness as Functions of MPI Level and Number of Crosstalk Terms for a 256 Gb/s PM-16QAM Signal. , 2015, , .		1
170	PDM PAM-4 with IM-DD using a simple MIMO DSP-based receiver for short reach communications. , 2015, , .		3
171	The Impact of Receiver IQ Imbalance on Multi-soliton NFDM Transmissions with OOK Modulation. , 2015, , .		0
172	Impact of Frequency Offset and Laser Phase Noise on Nonlinear Frequency Division Multiplexed Systems via the Nonlinear Fourier Transform. , 2015, , .		1
173	Advanced DSP for High Spectral Efficiency and Flexible Optical Communications. , 2014, , .		0
174	Superlattice Microstructured Optical Fiber. Materials, 2014, 7, 4567-4573.	2.9	14
175	10-Gb/s All-Optical VPN in WDM-PON Using Injection-Locked Fabryâ€“PÃ©rot Laser Diodes. IEEE Photonics Technology Letters, 2014, 26, 2299-2302.	2.5	11
176	Non-data-aided and universal cycle slip detection and correction for coherent communication systems. Optics Express, 2014, 22, 31167.	3.4	8
177	Low-cost coherent receiver for long-reach optical access network using single-ended detection. Optics Letters, 2014, 39, 5248.	3.3	6
178	Flattop pulse generation based on the combined action of active mode locking and nonlinear polarization rotation. Applied Optics, 2014, 53, 902.	1.8	4
179	Performance analysis of blind timing phase estimators for digital coherent receivers. Optics Express, 2014, 22, 6749.	3.4	21
180	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

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181	Pilot-based blind phase estimation for coherent optical OFDM system. Optics Express, 2014, 22, 22888.	3.4	6
182	Modulation-format-independent blind phase search algorithm for coherent optical square M-QAM systems. Optics Express, 2014, 22, 24044.	3.4	35
183	Wideband-adjustable reflection-suppressed rejection filters using chirped and tilted fiber gratings. Optics Express, 2014, 22, 24430.	3.4	30
184	Modulation Format Identification Based on Received Signal Power Distributions for Digital Coherent Receivers. , 2014, , .		24
185	A fast tunable semiconductor laser for FBG sensor interrogation systems. , 2014, , .		3
186	Advanced DSP for high spectral efficiency and flexible optical communications. , 2014, , .		0
187	Chirp and frequency offset tolerant coherent burst-mode receiver using directly modulated DFB lasers for coherent PON systems. , 2014, , .		0
188	Long-haul quasi-single-mode transmission using few-mode fiber with multi-path interference compensation. , 2014, , .		0
189	Distributed Bragg reflector fibre laserâ€based sensor array for multiâ€parameter detection. Electronics Letters, 2014, 50, 1301-1303.	1.0	3
190	Theoretical and Experimental Study of a Code-Division Multiplexing Fiber Bragg Grating Sensor System. Fiber and Integrated Optics, 2014, 33, 26-36.	2.5	0
191	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
192	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
193	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
194	Investigation of Optical Modulators in Optimized Nonlinear Compensated LTE RoF System. Journal of Lightwave Technology, 2014, 32, 1944-1950.	4.6	21
195	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
196	A High-Frequency Accelerometer Based on Distributed Bragg Reflector Fiber Laser. IEEE Photonics Technology Letters, 2014, 26, 1418-1421.	2.5	7
197	In-line microfluidic integration of photonic crystal fibres as a highly sensitive refractometer. Analyst, The, 2014, 139, 5422-5429.	3.5	34
198	Multiple input detection and digital signal processing for uncooled ONUs in a TWDM-PON with a commercial WDM demultiplexer. Optical Fiber Technology, 2014, 20, 428-433.	2.7	3

#	Article	IF	Citations
199	Carrier Phase Estimation for DP-16QAM Using QPSK Partitioning and Quasi-Multiplier-Free Algorithms. , 2014, , .		6
200	Blind and Universal DSP for Arbitrary Modulation Formats and Time Domain Hybrid QAM Transmissions. , 2014, , .		3
201	10 Gb/s CAP128 System using Directly Modulated Laser for Short Reach Optical Communications. , 2014, , .		4
202	Advanced DSP Techniques Enabling Flexible Transmissions and Elastic Optical Networks. , 2014, , .		0
203	Modulation-Format-Independent Carrier Phase Estimation for Square M-QAM Systems. IEEE Photonics Technology Letters, 2013, 25, 1073-1076.	2.5	25
204	Broadband and linear photonic RF phase shifter based on DBR fiber lasers and polarization sensitive optical phase modulator. Optics Communications, 2013, 297, 55-58.	2.1	2
205	Beyond 100 Gb/s: Advanced DSP techniques enabling high spectral efficiency and flexible optical communications. , 2013, , .		0
206	Fiber Bragg Grating Anemometer With Reduced Pump Power-Dependency. IEEE Photonics Technology Letters, 2013, 25, 2450-2453.	2.5	16
207	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
208	Adaptive CD Estimation for Coherent Optical Receivers Based on Timing Error Detection. IEEE Photonics Technology Letters, 2013, 25, 985-988.	2.5	10
209	A Highly Sensitive and Low-Cost Sagnac Loop Based Pressure Sensor. IEEE Sensors Journal, 2013, 13, 3073-3078.	4.7	27
210	Advanced modulation formats for short reach optical communication systems. IEEE Network, 2013, 27, 6-13.	6.9	114
211	Properties of Mode-Locked Optical Pulses in a Dispersion-Managed Fiber-Ring Laser Using Semiconductor Optical Amplifier as Active Device. IEEE Journal of Quantum Electronics, 2013, 49, 80-88.	1.9	4
212	Label-free, disposable fiber-optic biosensors for DNA hybridization detection. Analyst, The, 2013, 138, 1988.	3.5	37
213	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
214	Refractive index response characteristic of fiber Bragg grating in a few-mode suspended-core fiber. , 2013, , .		0
215	High-resolution optical spectrum characterization using optical channel estimation and spectrum stitching technique. Optics Letters, 2013, 38, 2314.	3.3	17
216	Ultrahigh birefringence index-guiding photonic crystal fiber and its application for pressure and temperature discrimination. Optics Letters, 2013, 38, 1385.	3.3	51

#	Article	IF	Citations
217	Ultrahigh-Q microwave photonic filter with tunable Q value utilizing cascaded optical-electrical feedback loops. Optics Letters, 2013, 38, 4304.	3.3	15
218	Polarimetric heterodyning fiber laser sensor for directional acoustic signal measurement. Optics Express, 2013, 21, 18273.	3.4	26
219	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
220	In-line microfluidic refractometer based on C-shaped fiber assisted photonic crystal fiber Sagnac interferometer. Optics Letters, 2013, 38, 3283.	3.3	61
221	Experimental demonstration of the compensation of nonlinear propagation in a LTE RoF system with a directly modulated laser. , 2013, , .		3
222	Blind Cycle-Slip Detection and Correction for Coherent Communication Systems. , 2013, , .		3
223	Impact of Optical Modulators in LTE RoF System with Nonlinear Compensator for Enhanced Power Budget. , 2013, , .		12
224	Residual Carrier-Aided Frequency Offset Estimation for Square 16-QAM Systems. , 2013, , .		1
225	Beyond 100 Gb/s: Advanced DSP Techniques Enabling High Spectral Efficiency and Flexible Optical Communications. , 2013, , .		0
226	Ultrahigh birefringence index-guiding photonic crystal fiber. , 2013, , .		1
227	High resolution optical spectrum characterization using optical channel estimation and optical frequency combs technique. , 2013, , .		0
228	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
229	Generation of square or hexagonal 16-QAM signals using a dual-drive IQ modulator driven by binary signals. Optics Express, 2012, 20, 29023.	3.4	9
230	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
231	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
232	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
233	Hydrostatic pressure sensor using two-core photonic crystal fiber. , 2012, , .		0
234	OSNR monitoring for PM-QPSK systems in presence of fiber nonlinearities for digital coherent receivers. , 2012, , .		1

#	Article	IF	Citations
235	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
236	Simultaneous and Independent OSNR and Chromatic Dispersion Monitoring Using Empirical Moments of Asynchronously Sampled Signal Amplitudes. IEEE Photonics Journal, 2012, 4, 1340-1350.	2.0	7
237	Modulation format identification in heterogeneous fiber-optic networks using artificial neural networks. Optics Express, 2012, 20, 12422.	3.4	132
238	Optical performance monitoring through signal processing in current and future optical communication systems. , 2012, , .		0
239	WDM-PON system based on subcarrier multiplexed single sideband modulation. , 2012, , .		0
240	Cycle-slip resilient carrier phase estimation for polarization multiplexed 16-QAM systems. , 2012, , .		2
241	Mode-division multiplexed transmission with inline few-mode fiber amplifier. Optics Express, 2012, 20, 2668.	3.4	254
242	Highly Sensitive Compact Force Sensor Based on Microfiber Bragg Grating. IEEE Photonics Technology Letters, 2012, 24, 700-702.	2.5	36
243	Experimental Verification of Optimized LTE-RoF System for eNB Cell Radius Improvement. IEEE Photonics Technology Letters, 2012, 24, 2210-2213.	2.5	6
244	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
245	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
246	Researches on a fiber loop ring-down acetylene sensor with gain-clamped Erbium Doped Fiber Amplifier. , 2012, , .		0
247	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
248	Single Reflective Mode Fiber Bragg Grating in Multimode Microfiber. IEEE Photonics Journal, 2012, 4, 437-442.	2.0	7
249	Fast and Robust Chromatic Dispersion Estimation Using Auto-Correlation of Signal Power Waveform for DSP based-Coherent Systems. , 2012, , .		9
250	Optimization of a Feedforward Symbol Timing Estimator Using Two Samples per Symbol for Optical Coherent QPSK Systems. , 2012, , .		0
251	High order modulation formats for multi-Terabit optical communication systems. , 2012, , .		0
252	Chromatic Dispersion Monitoring Based on Variance of Received Optical Power. IEEE Photonics Technology Letters, 2011, 23, 486-488.	2.5	9

#	Article	IF	Citations
253	Polarization Splitting of Photonic Crystal Fiber With Hybrid Guidance Mechanisms. IEEE Photonics Technology Letters, 2011, 23, 1358-1360.	2.5	9
254	PMD-Insensitive CD Monitoring Based on RF Clock Power Ratio Measurement With Optical Notch Filter. IEEE Photonics Technology Letters, 2011, 23, 1576-1578.	2.5	8
255	Ultrasound detection using a tunable low beat-frequency Er3+-doped DBR fiber laser. , 2011, , .		1
256	Multiple Raman Pump Assisted Fiber Optical Parametric Amplifiers. Journal of Lightwave Technology, 2011, 29, 2601-2608.	4.6	11
257	Single tilted Bragg reflector fiber laser for simultaneous sensing of refractive index and temperature. Optics Express, 2011, 19, 409.	3.4	22
258	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
259	Beat-frequency adjustable Er^3+-doped DBR fiber laser for ultrasound detection. Optics Express, 2011, 19, 2485.	3.4	42
260	Analysis of signed chromatic dispersion monitoring by waveform asymmetry for differentially-coherent phase-modulated systems. Optics Express, 2011, 19, 4147.	3.4	6
261	All-optical fiber anemometer based on laser heated fiber Bragg gratings. Optics Express, 2011, 19, 10124.	3.4	122
262	Salinity sensor based on polyimide-coated photonic crystal fiber. Optics Express, 2011, 19, 20003.	3.4	86
263	Low-complexity and phase noise tolerant carrier phase estimation for dual-polarization 16-QAM systems. Optics Express, 2011, 19, 21717.	3.4	76
264	A robust and dither-free technique for controlling driver signal amplitude for stable and arbitrary optical phase modulation. Optics Express, 2011, 19, 26353.	3.4	1
265	Adaptive Chromatic Dispersion Compensation for Coherent Communication Systems Using Delay-Tap Sampling Technique. IEEE Photonics Technology Letters, 2011, 23, 1016-1018.	2.5	32
266	Simultaneously Monitoring of Chromatic Dispersion and Polarization Mode Dispersion for DPSK Signal Based on RF Spectrum Analysis. Applied Mechanics and Materials, 2011, 130-134, 3851-3854.	0.2	2
267	Extremely short distributed Bragg reflector fibre lasers with sub-kilohertz linewidth and ultra-low polarization beat frequency for sensing applications. Measurement Science and Technology, 2011, 22, 045202.	2.6	9
268	Polarization independent Raman-assisted fiber optical parametric amplifiers. , 2011, , .		1
269	Optical performance monitoring techniques for high capacity optical networks. , 2010, , .		1
270	A novel dispersion monitoring scheme by evaluating eye diagram for 100Gbit/s CS-RZ DQPSK systems. , 2010, , .		0

#	Article	IF	Citations
271	Optical performance monitoring using statistical signal processing. , 2010, , .		0
272	Statistical Analysis of Optical Signal-to-Noise Ratio Monitoring Using Delay-Tap Sampling. IEEE Photonics Technology Letters, 2010, 22, 149-151.	2.5	23
273	OSNR Monitoring for RZ-DQPSK Systems Using Half-Symbol Delay-Tap Sampling Technique. IEEE Photonics Technology Letters, 2010, 22, 823-825.	2.5	32
274	Signed and Accurate Measurement of Phase Offset in Optical DPSK Demodulator. IEEE Photonics Technology Letters, 2010, 22, 1018-1020.	2.5	0
275	VCSEL-Based Tilted Fiber Grating Vibration Sensing System. IEEE Photonics Technology Letters, 2010, 22, 1235-1237.	2.5	42
276	Composite Structure Distributed Bragg Reflector Fiber Laser for Simultaneous Two-Parameter Sensing. IEEE Photonics Technology Letters, 2010, 22, 1464-1466.	2.5	9
277	Simultaneous Two-Parameter Sensing Using a Single Tilted MoirÃ© Fiber Bragg Grating With Discrete Wavelet Transform Technique. IEEE Photonics Technology Letters, 2010, 22, 1574-1576.	2.5	10
278	Fiber-optic vibration sensing system based on a VCSEL-powered and lateral-offset tilted fiber grating. , 2010, , .		0
279	Fourier analysis for hydrostatic pressure sensing in a polarization-maintaining photonic crystal fiber. Applied Optics, 2010, 49, 6861.	2.1	2
280	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
281	Signed frequency offset measurement for direct detection DPSK system with a chromatic dispersion offset. Optics Express, 2010, 18, 23829.	3.4	2
282	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
283	Tilted MoirÃ© Fiber Bragg Grating Optical Filters With Controllable Passband and Stopband. Journal of Lightwave Technology, 2010, 28, 898-904.	4.6	11
284	Polarizing Properties of Photonic Crystal Fibers With High-Index Cladding Defects. Journal of Lightwave Technology, 2010, 28, 1608-1614.	4.6	5
285	OSNR Monitoring in the Presence of First-Order PMD Using Polarization Diversity and DSP. Journal of Lightwave Technology, 2010, 28, 2105-2114.	4.6	11
286	Simultaneous de-multiplexing and demodulation of RZ-DPSK OTDM signals. , 2010, , .		0
287	PMD insensitive CD monitoring based on RF power ratio in D8PSK and DQPSK systems. , 2010, , .		1
288	Chromatic dispersion monitoring using coherent detection and tone power measurement. , 2009, , .		2

#	Article	IF	Citations
289	8×200-Gbit/s polarization-division multiplexed CS-RZ-DQPSK transmission over 1200 km of SSMF. , 2009, , .		3
290	OSNR and chromatic dispersion monitoring of DPSK signals based on PM-AM conversion and RF spectrum analysis. , 2009, , .		0
291	Fast FBG sensor interrogation system using vertical cavity surface emitting laser source. , 2009, , .		5
292	100Gbit/s RZ-DQPSK signal monitoring using delay tap sampling and asymmetry ratio evaluation. , 2009, , .		0
293	Demonstration of transmission of 8×100Gb/s CSRZ-DQPSK signal over 1520Km standard single-mode fiber. , 2009, , .		0
294	Optical signal monitoring for 10 Gb/s NRZ WDM transmission system using cross-correlation method. , 2009, , .		0
295	In-Band OSNR monitoring by polarization diversity and electronic signal processing. , 2009, , .		1
296	Novel design of a microstructured fiber taper. , 2009, , .		0
297	In-service chromatic dispersion monitoring based on imperfect phase tuned delay interferometer for NRZ-DPSK systems. , 2009, , .		0
298	Continuous-wave pumped, all-fiber optical parametric oscillator assisted by stimulated Raman scattering. Optics Communications, 2009, 282, 2906-2908.	2.1	0
299	Three-dimensional FDTD method for optical pulse propagation analysis in microstructured optical fibers. Optics Communications, 2009, 282, 1123-1128.	2.1	2
300	Dispersion-flattened polarization-maintaining photonic crystal fiber for nonlinear applications. Optics Communications, 2009, 282, 4072-4076.	2.1	40
301	Design and analysis of thermally tunable liquid crystal filled hybrid photonic crystal fiber coupler. Optics Communications, 2009, 282, 2343-2347.	2.1	17
302	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
303	Chromatic Dispersion Monitoring for DPSK Systems Using RF Power Spectrum. Journal of Lightwave Technology, 2009, 27, 5704-5709.	4.6	18
304	Holey fiber design for single-polarization single-mode guidance. Applied Optics, 2009, 48, 4038.	2.1	30
305	Characteristics of Subcarrier Modulation and Its Application in WDM-PONs. Journal of Lightwave Technology, 2009, 27, 2069-2076.	4.6	14
306	1500-km SSMF Transmission of Mixed 40-Gb/s CS-RZ Duobinary and 100-Gb/s CS-RZ DQPSK Signals. IEEE Photonics Technology Letters, 2009, 21, 1148-1150.	2.5	2

#	Article	IF	Citations
307	Multiwavelength Erbium-Doped Fiber Laser Employing Cavity Loss Modulation. IEEE Photonics Technology Letters, 2009, 21, 1314-1316.	2.5	22
308	Hybrid photonic crystal fiber coupler infiltrated with liquid crystals. , 2009, , .		0
309	Coupling characteristics between the fundamental and higher-order modes in a photonic crystal fibre with a filled hole. , 2009, , .		0
310	Nonlinear effect on residual dispersion monitoring of DPSK signals using delay-tap sampling and Hausdorff distance measure. , 2009, , .		0
311	Passive harmonic mode locking of gain-guided solitons in erbium-doped fiber lasers. Science Bulletin, 2008, 53, 676-680.	1.7	9
312	Investigation on the interplay between dispersion and nonlinearity in subwavelengthâ€diameter silica fibers. Microwave and Optical Technology Letters, 2008, 50, 2086-2090.	1.4	4
313	Investigation of thermal influence on the bandgap properties of liquid-crystal photonic crystal fibers. Optics Communications, 2008, 281, 4339-4342.	2.1	13
314	A novel method for square pulse generation using nonlinear amplifying loop mirror. , 2008, , .		3
315	Pulse propagation analysis in optical fibers by 3D FDTD method. , 2008, , .		0
316	Hole-assisted lightguide fibers with small negative dispersion and low dispersion slope. Applied Optics, 2008, 47, 5061.	2.1	3
317	Analytical method for band structure calculation of photonic crystal fibers filled with liquid crystal. Optics Express, 2008, 16, 6668.	3.4	12
318	Single-frequency single-polarization fiber ring laser at 1053 nm. , 2008, , .		0
319	Theoretical investigations of birefringence in hybrid photonic crystal fibers. , 2008, , .		0
320	High-frequency ultrasound measurement using fiber grating laser hydrophone. Proceedings of SPIE, 2008, , .	0.8	0
321	Analytical method for band structure calculation of liquid crystal filled photonic crystal fibers. , 2008, , .		0
322	Multiple Dual-Wavelengths Erbium-Doped Fiber Laser. , 2008, , .		1
323	Optical signal monitoring of DPSK signals using RF power detection. , 2008, , .		1
324	Chromatic dispersion monitoring of DPSK signals using RF power detection. Proceedings of SPIE, 2008, , .	0.8	2

#	Article	IF	Citations
325	A novel optical signal monitoring method of DPSK signal based on delay tap sampling and Hausdorff distance measure. , 2008, , .		3
326	Hole-assisted lightguide fiber for dispersion tailoring. Proceedings of SPIE, 2008, , .	0.8	0
327	Flat-top pulse generation based on the combined action of active mode locking and nonlinear polarization rotation. , 2008, , .		1
328	Large-scale FBG sensors utilizing code division multiplexing. , 2008, , .		6
329	Generation of multi-channel short-pulse sources using nonlinear optical loop mirror based on photonic crystal fiber. , 2007, , .		1
330	Realization of RF phase shift on amplitude modulated data for smart antenna in wireless access networks. , 2007, , .		0
331	High repetition rate passively Q-switched erbium-doped fiber laser incorporating an electro-absorption modulator. , 2007, , .		1
332	High power and high repetition rate pulse generation using self injection-locking in Fabry-Perot Laser diode. , 2007, , .		0
333	High repetition rate passively Q-switched erbium-doped fiber laser incorporating an electro-absorption modulator. , 2007, , .		0
334	Bandwidth-enhanced multimode fiber. Optical Engineering, 2007, 46, 045006.	1.0	0
335	Full-vectorial analysis of photonic crystal fibers using a compact two-dimensional finite-difference time-domain method. , 2007, , .		1
336	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
337	High-speed WDM-PON using CW injection-locked Fabry-PÃ©rot laser diodes. Optics Express, 2007, 15, 2953.	3.4	99
338	Externally Modulated Optical Minimum Shift Keying Format. Journal of Lightwave Technology, 2007, 25, 3151-3160.	4.6	24
339	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
340	Optimization of Receiver Filter Bandwidth for Externally Modulated Optical MSK Data. , 2007, , .		0
341	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
342	Optical Fiber Polarization Interferometer for Performance Improvement in Radio-Over-Fiber Systems. IEEE Photonics Technology Letters, 2007, 19, 1236-1238.	2.5	2

#	Article	IF	Citations
343	Generalized Finite-Difference Time-Domain Method Utilizing Auxiliary Differential Equations for the Full-Vectorial Analysis of Photonic Crystal Fibers. IEEE Photonics Technology Letters, 2007, 19, 1970-1972.	2.5	12
344	Generation, detection and characterization of optical minimum shift keying data format. Optics Communications, 2007, 270, 396-401.	2.1	2
345	Fiber Bragg grating strain sensor based on fiber laser. Optics Communications, 2007, 271, 203-206.	2.1	23
346	Width-tunable pulse generation using four-wave mixing in bismuth based highly nonlinear fiber. Optics Communications, 2007, 275, 223-229.	2.1	6
347	A Simplified Step-by-Step Decoding Algorithm for Parallel Decoding of Reedâ€“Solomon Codes. IEEE Transactions on Communications, 2007, 55, 1103-1109.	7.8	7
348	Optical minimum-shift keying: Property and implementation. , 2006, , .		1
349	iOPEN testbed for dynamic resource provisioning in metro Ethernet networks. , 2006, , .		6
350	Advanced data modulation techniques for WDM transmission. , 2006, 44, 58-65.		3
351	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
352	Performance of WDM fiber-radio network using distributed Raman amplifier. IEEE Photonics Technology Letters, 2006, 18, 553-555.	2.5	3
353	PMD and Chirp Effects Suppression in RF Tone-Based Chromatic Dispersion Monitoring. IEEE Photonics Technology Letters, 2006, 18, 673-675.	2.5	22
354	Improving dispersion tolerance of manchester coding by incorporating duobinary coding. IEEE Photonics Technology Letters, 2006, 18, 1723-1725.	2.5	16
355	Comparison of Cross-Gain Modulation Effect of Manchester-Duobinary, RZ-DPSK, NRZ-DPSK, RZ, and NRZ Modulation Formats in SOAs. IEEE Photonics Technology Letters, 2006, 18, 2680-2682.	2.5	7
356	Design of multistage gain-flattened fiber Raman amplifiers. Journal of Lightwave Technology, 2006, 24, 935-944.	4.6	23
357	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
358	Generation of picosecond soliton pulses with tunable repetition rate by modulational instability. , 2006, 6028, 436.		0
359	<title>Broadband source with high power supported by the combined effects of EDFA, Raman scattering, and parametric process</title>. , 2006, 6344, 231.		0
360	Flexible bandwidth control of the single-mode guided band in a 2D photonic crystal coupled-cavity waveguide. , 2006, , .		0

#	Article	IF	Citations
361	Dynamic routing and wavelength assignment algorithms in wavelength division multiplexed translucent optical networks. Computer Communications, 2006, 29, 2975-2984.	5.1	6
362	Improved chromatic dispersion monitoring technique. Optics Communications, 2006, 259, 553-561.	2.1	1
363	Improvement of dispersion tolerance using wavelength-interleaving and forward error correction. Optics Communications, 2006, 268, 226-230.	2.1	2
364	Flexible chirp control using the linearly inherent chirped phase mask with the equivalent chirp design. Optics Communications, 2006, 261, 56-59.	2.1	1
365	Optimization of a Raman/EDFA hybrid amplifier based on dual-order stimulated Raman scattering using a single-pump. Optics Communications, 2006, 265, 655-658.	2.1	8
366	Interrogation of fiber Bragg grating sensor based on Er-doped fiber laser. Microwave and Optical Technology Letters, 2006, 48, 1904-1907.	1.4	2
367	Variable optical reflector and strain sensor using multimode fiber Bragg grating and mode conversion. , 2005, 5855, 671.		1
368	Pump-to-signal FWM of co-pumped Raman amplifier for remote pumps supervisory. Optics Communications, 2005, 254, 138-144.	2.1	1
369	FBG sensor interrogation with high temperature insensitivity by using a HiBi-PCF Sagnac loop filter. Optics Communications, 2005, 250, 63-68.	2.1	54
370	Novel tunable microwave photonic notch filter with a variable polarization beamsplitter and a Hi-Bi coupler. Optical Engineering, 2005, 44, 100502.	1.0	4
371	Backup resource reoptimization for survivable optical network. Optical Engineering, 2005, 44, 108201.	1.0	0
372	Optical 4-ASK signal generation through four-wave mixing. , 2005, , .		2
373	Multiple four-wave mixing self-stability in optical fibers. Physical Review A, 2005, 72, .	2.5	66
374	Application of distributed Raman amplifier for the performance improvement of WDM millimeter-wave fiber-radio network. , 2005, , .		0
375	Application of Distributed Raman Amplifier to Improve Link Gain and Noise Characteristic of WDM Radio over Fiber Network. , 2005, , .		0
376	Microbend-induced mode coupling in a graded-index multimode fiber. Applied Optics, 2005, 44, 7394.	2.1	44
377	Tunable microwave filter that uses a high-birefringent fiber and a differential-group-delay element. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 913.	1.5	4
378	Tunable high-Q photonic-bandgap Fabry-Perot resonator. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1770.	2.1	20

#	Article	IF	Citations
379	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
380	Phase-shifted bandpass filter fabrication through CO2 laser irradiation. Optics Express, 2005, 13, 5878.	3.4	31
381	Strain-insensitive and high-temperature long-period gratings inscribed in photonic crystal fiber. Optics Letters, 2005, 30, 367.	3.3	103
382	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
383	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
384	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
385	Reduction of polarization-dependent gain due to signal-to-signal Raman interaction in fiber Raman amplifier. IEEE Photonics Technology Letters, 2005, 17, 558-560.	2.5	1
386	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
387	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
388	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
389	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
390	Single-span transmission of WDM RZ-DPSK signal over 310-km standard SMF without using FEC and remote-pumping. IEEE Photonics Technology Letters, 2005, 17, 2209-2211.	2.5	8
391	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
392	Fiber Bragg-grating incorporated microbend sensor for simultaneous mechanical parameter and temperature measurement. IEEE Photonics Technology Letters, 2005, 17, 2697-2699.	2.5	7
393	A temperature-independent displacement sensor based on a fiber Bragg grating. , 2005, , .		3
394	Suppression of PMD and chirp effects in chromatic dispersion monitoring. , 2005, , .		0
395	PMD and CD characterization of chirped fiber Bragg gratings employing photonic microwave technique. Microwave and Optical Technology Letters, 2004, 41, 1-2.	1.4	0
396	Asymmetric core photonic-crystal fibers with high birefringence. Microwave and Optical Technology Letters, 2004, 42, 498-500.	1.4	1

#	Article	IF	Citations
397	Measurements of refractive index sensitivity using long-period grating refractometer. Optics Communications, 2004, 229, 65-69.	2.1	161
398	Routing and wavelength assignment algorithms for translucent optical networks. Optics Communications, 2004, 229, 233-239.	2.1	9
399	The characteristics of fiber slanted gratings in multimode fiber. Optics Communications, 2004, 229, 161-165.	2.1	13
400	Simultaneous dispersion slope compensation for WDM channels using a Fabryâ€“Perot Etalon formed by double FBGs. Optics Communications, 2004, 231, 227-231.	2.1	6
401	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
402	FEC Performance of PMD-Impaired Optical Communication System With Multiple-Wavelength Interleaving. IEEE Photonics Technology Letters, 2004, 16, 936-938.	2.5	5
403	Pulsewidth-Tunable CS-RZ Signal Format With Better Tolerance to Dispersion and Nonlinear Degradation in Optical Transmission System. IEEE Photonics Technology Letters, 2004, 16, 1409-1411.	2.5	3
404	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
405	WDM Transmission of 16<tex>$,times,$</tex>10.709 Gb/s Over 640-km SSMF Using Cascaded Semiconductor Optical Amplifiers and DPSK Modulation Format. IEEE Photonics Technology Letters, 2004, 16, 2359-2361.	2.5	11
406	Temperature-Insensitive Interferometer Using a Highly Birefringent Photonic Crystal Fiber Loop Mirror. IEEE Photonics Technology Letters, 2004, 16, 2535-2537.	2.5	188
407	Raman amplifier design using geometry compensation technique. Optics Express, 2004, 12, 436.	3.4	6
408	Modeling of PCF with multiple reciprocity boundary element method. Optics Express, 2004, 12, 961.	3.4	9
409	New bit-error-rate monitoring technique based on histograms and curve fitting. Optics Express, 2004, 12, 2507.	3.4	24
410	Optimizing gain profile and noise performance for distributed fiber Raman amplifiers. Optics Express, 2004, 12, 6053.	3.4	29
411	Promising compact wavelength-tunable optical addâ€“drop multiplexer in dense wavelength-division multiplexing systems. Optics Letters, 2004, 29, 682.	3.3	14
412	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
413	Investigating the characteristics of highly birefringent photonic crystal fiber using a semivectorial field convergence method. , 2004, 5279, 14.		0
414	Fabrication of wide-bandpass filters based on phase-shifted long-period fiber gratings inscribed by focused pulses of CO/sub 2/ laser. , 2004, , .		0

#	Article	IF	Citations
415	Realization of an embedded fiber Bragg grating-based pressure sensor in fiber-reinforced composites: embedding techniques and performance characteristics. , 2004, , .		6
416	Fiber Bragg grating accelerometer with temperature insensitivity. Microwave and Optical Technology Letters, 2003, 37, 151-153.	1.4	12
417	EDFA gain flattening using phase-shifted long-period grating. Microwave and Optical Technology Letters, 2003, 37, 153-157.	1.4	13
418	Continuously tunable microwave-photonic filter design using high-birefringence linear chirped grating. IEEE Photonics Technology Letters, 2003, 15, 754-756.	2.5	28
419	Inband crosstalk analysis of wavelength-routing-based photonic packet buffers. IEEE Photonics Technology Letters, 2003, 15, 1315-1317.	2.5	0
420	Temperature-insensitive fiber Bragg grating accelerometer. IEEE Photonics Technology Letters, 2003, 15, 1437-1439.	2.5	48
421	Asynchronous sampling for Q-factor estimation using sampling pulse with wide pulsewidth. IEEE Photonics Technology Letters, 2003, 15, 1749-1751.	2.5	6
422	Array interconnection for rearrangeable 2-D MEMS optical switch. Journal of Lightwave Technology, 2003, 21, 1134-1140.	4.6	13
423	Deep-notch, ultracompact long-period grating in a large-mode-area photonic crystal fiber. Optics Letters, 2003, 28, 2467.	3.3	64
424	Algorithms for the design of WDM translucent optical networks. Optics Express, 2003, 11, 2917.	3.4	28
425	Novel algorithm for upgrading of translucent optical networks. Optics Express, 2003, 11, 3022.	3.4	10
426	Novel method for pedestal suppression and chirp elimination of high-order compressed solitons by using semiconductor optical amplifier and tunable filter. Optics Communications, 2003, 217, 185-188.	2.1	4
427	<title>MEMS variable optical attenuator (VOA) for DWDM applications</title>. , 2002, , .		3
428	Investigation of Raman fiber amplifier with all-optical gain clamping ring. , 2002, 4906, 43.		1
429	Architectural design for multistage 2-D MEMS optical switches. Journal of Lightwave Technology, 2002, 20, 178-187.	4.6	32
430	Evaluation of intraband crosstalk in an FBG-OC-based optical cross connect. IEEE Photonics Technology Letters, 2002, 14, 212-214.	2.5	19
431	Crosstalk analysis for limited-wavelength-interchanging cross connects. IEEE Photonics Technology Letters, 2002, 14, 696-698.	2.5	17
432	Apodized long-period grating with low insertion loss. Microwave and Optical Technology Letters, 2002, 35, 283-286.	1.4	7

#	Article	IF	Citations
433	Group delay measurement of WDM components using photonic microwave technique. Microwave and Optical Technology Letters, 2002, 35, 346-348.	1.4	2
434	Tunable fibre Bragg grating based optical cross connects using multi-port optical circulators: structure and crosstalk analyses. International Journal of Communication Systems, 2002, 15, 203-220.	2.5	2
435	Performance study on a WDM packet switch with limited-range wavelength converters. IEEE Communications Letters, 2001, 5, 432-434.	4.1	60
436	Postfabrication wavelength trimming of fiber Bragg gratings written in H/sub 2/-loaded fibers. IEEE Photonics Technology Letters, 2001, 13, 591-593.	2.5	4
437	<title>Suspended substrate stripline structures evaluation for millimeter-wave circuits application</title>. , 2001, , .		0
438	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
439	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
440	<title>Optical cross-connect crosstalk analysis based on scattering matrix</title>. , 2001, , .		0
441	<title>Novel microwave optical filter design employing fiber Bragg grating arrays</title>. , 2001, , .		0
442	<title>Electrically tunable chirped fiber Bragg gratings by a bulk distributed heater</title>. , 2001, 4289, 119.		0
443	<title>Metaheuristic approach to design erbium-doped fiber amplifier module for DWDM network</title>. , 2001, , .		0
444	<title>Novel single-fiber bidirectional optical add-drop multiplexer for optical distribution networks</title>. , 2001, , .		1
445	<title>WDM micromachined tunable laser</title>. , 2001, 4582, 106.		0
446	Active mode locking of tunable multi-wavelength fiber ring laser. Optics Communications, 2001, 191, 341-345.	2.1	80
447	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
448	<title>Intraband and interband optical crosstalk in multiwavelength optical cross connects using tunable fiber Bragg gratings and optical circulators</title>. , 2001, 4598, 1.		0
449	Efficient wavelet-based image denoising algorithm. Electronics Letters, 2001, 37, 683.	1.0	47
450	Dynamic gain control for discrete Raman fiber amplifier. , 2001, , .		3

#	Article	IF	Citations
451	Title is missing!. Photonic Network Communications, 2000, 2, 349-359.	2.7	7
452	Code for spectral amplitude coding optical CDMA systems. Electronics Letters, 2000, 36, 728.	1.0	69
453	Operation of WDM networks with different wavelength conversion capabilities. IEEE Communications Letters, 2000, 4, 239-241.	4.1	20
454	The impact of number of transceivers and their tunabilities on WDM network performance. IEEE Communications Letters, 2000, 4, 366-368.	4.1	12
455	Analytical model for a WDM optical cross-connect with limited conversion capability. IEEE Communications Letters, 2000, 4, 369-371.	4.1	4
456	Fiber Bragg grating-based rearrangeable nonblocking optical cross connects using multiport optical circulators. IEEE Photonics Technology Letters, 2000, 12, 696-698.	2.5	13
457	Effect of homodyne crosstalk in WDM ring/bus networks. , 0, , .		0
458	A novel single-fiber bidirectional optical add/drop multiplexer for distribution networks. , 0, , .		4
459	Single to multi wavelength conversion using amplified spontaneous emission of semiconductor optical amplifier. , 0, , .		4
460	Theoretical investigation of fiber Raman amplifier with dynamic gain control. , 0, , .		8
461	Investigation of Raman fiber amplifier with all optical gain clamping. , 0, , .		1
462	Microwave photonic filter design employing a sampled grating based double-pass er-doped fiber source. , 0, , .		0
463	Algorithms for wavelength division multiplexed translucent optical networks. , 0, , .		2
464	Application of erasure decoding in fiber optical systems with FEC. , 0, , .		1