

# Xiaoguang Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8076998/publications.pdf>

Version: 2024-02-01

259  
papers

2,049  
citations

279798

23  
h-index

302126

39  
g-index

260  
all docs

260  
docs citations

260  
times ranked

1809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of the Intramode-Group Coupling Induced by the Elliptical Deformation of Orbital Angular Momentum Fibers. <i>IEEE Photonics Journal</i> , 2022, 14, 1-9.	2.0	2
2	Joint modulation format identification and OSNR estimation method based on trajectory information analysis. <i>Optics Communications</i> , 2022, 507, 127657.	2.1	4
3	Kalman filter polarization demultiplexing algorithm based on diagonalized matrix treatment. <i>Optics Express</i> , 2022, 30, 2803.	3.4	6
4	Modulation format identification using the Calinski-Harabasz index. <i>Applied Optics</i> , 2022, 61, 851.	1.8	3
5	A Physical Layer Security-Enhanced Scheme in CO-OFDM System Based on CIJS Encryption and 3D-LSCM Chaos. <i>Journal of Lightwave Technology</i> , 2022, 40, 3567-3575.	4.6	17
6	An Optimized Full-spectrum Modulated NFDN System by Combining Geometric Shaping and Linear Minimum Mean Square Error Estimator. , 2022, , .		2
7	Gold Metasurfaces as Saturable Absorbers for All-Normal-Dispersion Ytterbium-Doped Mode-Locked Fiber Laser. <i>IEEE Photonics Journal</i> , 2022, 14, 1-6.	2.0	0
8	Transmission of 120 Gbaud QAM With an All-Silicon Segmented Modulator. <i>Journal of Lightwave Technology</i> , 2022, 40, 5457-5466.	4.6	6
9	A Low Complexity Diagonalized Kalman Filter for Joint Equalization of Ultra-fast RSOP and Large PMD in Presence of Residual CD. , 2021, , .		0
10	Modulation Format Identification Using Graph-Based 2D Stokes Plane Analysis for Elastic Optical Network. <i>IEEE Photonics Journal</i> , 2021, 13, 1-15.	2.0	8
11	Spatiotemporal Mode-Locking in Lasers with Large Modal Dispersion. <i>Physical Review Letters</i> , 2021, 126, 093901.	7.8	68
12	Physical layer encryption scheme based on cellular automata and DNA encoding by hyper-chaos in a CO-OFDM system. <i>Optics Express</i> , 2021, 29, 18976.	3.4	26
13	Joint equalization of CD and RSOP using a time-frequency domain Kalman filter structure in Kramers-Kronig system. <i>Optics Communications</i> , 2021, 498, 127214.	2.1	0
14	Fast tracking of polarization impairments using DSP algorithms in fiber for a coherent optical communication system. <i>Microwave and Optical Technology Letters</i> , 2021, 63, 2453-2460.	1.4	2
15	Deep learning-based nonlinear phase shift estimation in coherent optical communication systems. <i>Optics Communications</i> , 2021, 488, 126833.	2.1	4
16	A hollow-core circular photonic crystal fiber mode selective coupler for generating orbital angular momentum modes. <i>Optical Fiber Technology</i> , 2021, 64, 102543.	2.7	7
17	Probabilistic shaping and neural network-based optimization for a nonlinear frequency division multiplexing system. <i>Optics Letters</i> , 2021, 46, 3697.	3.3	13
18	Nonlinear frequency domain PMD modeling and equalization for nonlinear frequency division multiplexing transmission. <i>Optics Express</i> , 2021, 29, 28190.	3.4	4

#	ARTICLE	IF	CITATIONS
19	Modeling of the twist-induced effect in circular photonic crystal fiber transmitting orbital angular momentum modes. Results in Physics, 2021, 28, 104626.	4.1	1
20	Low Complexity and Robust Pilot-aided Frequency Kalman Filter Scheme for Extreme Polarization Effects Equalization. , 2021, , .		1
21	A Stokes-space-rotation Based Randomly Fast RSOP Tracking Algorithm Using Extended Kalman Filter. , 2021, , .		0
22	A Sharp-Peak Model Describing the Fast RSOP Induced by the Lightning Strikes and Its Tracking Method. , 2021, , .		3
23	Physical layer encryption for polarization division multiplexing coherent optical communication system based on the rotation of the state of polarization. , 2021, , .		4
24	Hybrid Cladding Ring-Core Fiber with Weakly Spin-Orbit Coupling for OAM Mode Division Multiplexing Transmission. , 2021, , .		1
25	Vector Mode Converters Based on Cascaded LPFGs in Elliptical Ring-Core Fiber. , 2021, , .		1
26	IDENTIFYING MODULATION FORMATS USING INTEGRATED CLUSTERING ALGORITHM. , 2021, , .		0
27	A Ring Core Photonic Crystal Fiber with Hybrid Cladding Supporting High Quality Orbital Angular Momentum Modes. , 2021, , .		1
28	Narrow- or wide-band channel for a high baud rate fiber communication system: a judgment based on a temporal and spectral evolution PMD model. Optics Express, 2021, 29, 38497.	3.4	6
29	Modeling of PMD for wideband fiber channel and its influence on optical fiber communication system. , 2021, , .		1
30	Channel modeling and compensation of ultra-fast spike-shaped RSOP caused by lightning. , 2021, , .		0
31	A New Temporal and Spectral Evolution Polarization Mode Dispersion Model in Broadband Fiber Channel. , 2021, , .		0
32	Polarization demultiplexing scheme for probabilistic shaping Stokes vector direct detection system using extended Kalman filter. Optics Communications, 2020, 461, 125192.	2.1	2
33	A simple photonic precoding-less scheme for vector millimeter-wave signal generation based on a single phase modulator. Results in Physics, 2020, 19, 103412.	4.1	4
34	True Equalization of Polarization-Dependent Loss in Presence of Fast Rotation of SOP. Applied Sciences (Switzerland), 2020, 10, 3844.	2.5	3
35	A scheme to generate 16QAM-OFDM vector mm-wave signal based on a single MZM without optical filter and precoding. Optics Communications, 2020, 475, 126227.	2.1	7
36	Identifying Probabilistically Shaped Modulation Formats Through 2D Stokes Planes With Two-Stage Deep Neural Networks. IEEE Access, 2020, 8, 6742-6750.	4.2	16

#	ARTICLE	IF	CITATIONS
37	Theory for mode coupling in perturbed fibers. Optics Communications, 2020, 463, 125355.	2.1	5
38	Photonic filterless scheme to generate V-band OFDM vector mm-wave signal without precoding. Optics Communications, 2020, 466, 125663.	2.1	8
39	Nonlinear-frequency-packing nonlinear frequency division multiplexing transmission. Optics Express, 2020, 28, 15360.	3.4	6
40	Robust neural network receiver for multiple-eigenvalue modulated nonlinear frequency division multiplexing system. Optics Express, 2020, 28, 18304.	3.4	23
41	Blind and low-complexity modulation format identification scheme using principal component analysis of Stokes parameters for elastic optical networks. Optics Express, 2020, 28, 20249.	3.4	23
42	Joint Equalization of CD and RSOP Using a Time-frequency Domain Kalman Filter Structure in Kramers-Kronig Receivers. , 2020, , .		0
43	Density-matrix formalism for modal coupling and dispersion in mode-division multiplexing communications systems. Optics Express, 2020, 28, 18658.	3.4	10
44	True Equalization of PDL in Presence of Fast RSOP. , 2020, , .		4
45	Fiber Nonlinearity Compensation using the Extended Kalman Filter. , 2020, , .		0
46	Design of Orbital Angular Momentum Modes Coupler Based on Circular Photonic Crystal Fiber. , 2020, , .		2
47	Cross-coupling effect induced beam shifts for polarized vortex beam at two-dimensional anisotropic monolayer graphene surface. Optics Express, 2020, 28, 8308.	3.4	10
48	Symmetric spin splitting of elliptically polarized vortex beams reflected at air-gold interface via pseudo-Brewster angle. Optics Express, 2020, 28, 29529.	3.4	7
49	A Kalman Filter Based Carrier Phase Recovery Scheme for Probabilistic Shaping M-QAM System. , 2020, , .		2
50	Nonlinear Phase Shift Estimation in Coherent Optical Communication Systems with Neural Networks. , 2020, , .		1
51	A Joint Scheduling and Beamforming Scheme for RoF-Aided MC-SSN. IEEE Access, 2019, 7, 29245-29252.	4.2	5
52	Joint equalization of linear impairments using two-stage cascade Kalman filter structure in coherent optical communication systems. Optics Communications, 2019, 453, 124398.	2.1	9
53	Transmission Characteristics of Adaptive Compensation for Joint Atmospheric Turbulence Effects on the OAM-Based Wireless Communication System. Applied Sciences (Switzerland), 2019, 9, 901.	2.5	8
54	Analysis of the Transmission Characteristic and Stress-Induced Birefringence of Hollow-Core Circular Photonic Crystal Fiber. Crystals, 2019, 9, 128.	2.2	4

#	ARTICLE	IF	CITATIONS
55	An Adaptive Coverage Enhancement Scheme Based on mmWave RoF for Future HetNets. IEEE Access, 2019, 7, 29107-29113.	4.2	4
56	An adaptive Kalman filter for extreme polarization effects equalization in coherent optical communication system. Optics Communications, 2019, 445, 125-135.	2.1	9
57	Performance of circular photonic crystal fiber transmitting orbital angular momentum modes under macro-bending. Journal of Optics (United Kingdom), 2019, 21, 065703.	2.2	8
58	A filterless scheme of generating frequency 16-tupling millimeter-wave based on only two MZMs. Optics and Laser Technology, 2019, 116, 7-12.	4.6	42
59	Two-Layer Erbium-Doped Air-Core Circular Photonic Crystal Fiber Amplifier for Orbital Angular Momentum Mode Division Multiplexing System. Crystals, 2019, 9, 156.	2.2	12
60	Phase Noise Estimation for Nonlinear Frequency Division Multiplexing System. , 2019, , .		0
61	Hybrid Probabilistic-Geometric Shaping in DP-NFDM Systems. , 2019, , .		2
62	Probabilistic Shaping for Direct Detection Transmission With Kramers-Kronig Receiver. , 2019, , .		1
63	Joint Equalization of Linear Impairments Using a Unified Frame Algorithm in terms of Kalman Filter in Coherent Optical Communication Systems. , 2019, , .		0
64	Joint blind equalization of CD and RSOP using a time-frequency domain Kalman filter structure in Stokes vector direct detection system. Optics Express, 2019, 27, 11557.	3.4	15
65	Joint equalization scheme of ultra-fast RSOP and large PMD compensation in presence of residual chromatic dispersion. Optics Express, 2019, 27, 21896.	3.4	28
66	Frequency offset estimation for nonlinear frequency division multiplexing with discrete spectrum modulation. Optics Express, 2019, 27, 28223.	3.4	24
67	High sensitivity micro-fiber Mach-Zehnder interferometric temperature sensors with a high index ring layer. Optics Express, 2019, 27, 34247.	3.4	9
68	Micro-fiber Mach-Zehnder interferometer based on ring-core fiber. Optics Express, 2019, 27, 34603.	3.4	6
69	Joint Equalization Scheme of Ultra-fast RSOP and Large PMD in Presence of Residual Chromatic Dispersion. , 2019, , .		1
70	All-fiber broadband multiplexer based on an elliptical ring core fiber structure mode selective coupler. Optics Letters, 2019, 44, 2994.	3.3	10
71	Joint Blind Equalization of CD and RSOP Using Kalman Filter in Stokes Vector Direct Detection System. , 2019, , .		0
72	Kalman scheme implement for RSOP equalization in hardware perspective. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
73	A Carrier Phase Recovery Scheme Based on Linear Kalman Filter. , 2018, , .		0
74	Two-layer Erbium Doped Annular Photonic Crystal Fiber Amplifier for Orbital Angular Momentum Multiplexing System. , 2018, , .		2
75	Macro-bending Losses of Circular Photonic Crystal Fiber Supporting 14 OAM Modes. , 2018, , .		1
76	A Kalman Scheme for Polarization Demultiplexing in Presence of Residual Chromatic Dispersion. , 2018, , .		0
77	Adaptive Kalman Filter for Extreme Polarization Effects Equalization in Coherent Optical Communication System. , 2018, , .		0
78	Frequency Offset Estimation via Nonlinear Spectrum Searching for NFDN Optical Communication Systems. , 2018, , .		0
79	Theory for Mode Coupling in Non-Ideal Ring Fibers. , 2018, , .		1
80	Time Domain Synchronous OFDM System for Optical Fiber Communications. , 2018, , .		0
81	Identifying modulation formats through 2D Stokes planes with deep neural networks. Optics Express, 2018, 26, 23507.	3.4	40
82	Window-split structured frequency domain Kalman equalization scheme for large PMD and ultra-fast RSOP in an optical coherent PDM-QPSK system. Optics Express, 2018, 26, 7211.	3.4	46
83	Design tool for circular photonic crystal fibers supporting orbital angular momentum modes. Applied Optics, 2018, 57, 2474.	1.8	29
84	Two-parameter-SOP and three-parameter-RSOP fiber channels: problem and solution for polarization demultiplexing using Stokes space. Optics Express, 2018, 26, 21170.	3.4	57
85	A Frequency-domain Kalman Scheme for Large PMD and Ultra-fast RSOP in PDM-QPSK System. , 2018, , .		0
86	Simultaneous RSOP and Carrier Phase Noise Equalization for Probabilistical Shaping QAM Signals Based on Extended Kalman Filter. , 2018, , .		0
87	RSOP Equalization through an Extend Kalman Filter Scheme in Stokes Vector Direct Detection System. , 2018, , .		4
88	Application of wavelet threshold denoising in PMD measurement by fixed analyzer method. , 2018, , .		2
89	A new approach to generate the optical millimeter-wave signals using frequency 12-tupling without an optical filter. , 2018, , .		1
90	A design strategy of the circular photonic crystal fiber supporting good quality orbital angular momentum mode transmission. Optics Communications, 2017, 397, 59-66.	2.1	81

#	ARTICLE	IF	CITATIONS
91	Fiber nonlinearity-insensitive OSNR monitoring for coherent PM-QPSK-Nyquist-WDM system. Optical Fiber Technology, 2017, 36, 215-221.	2.7	6
92	A Reconfigurable Optical Logic Gate With up to 25 Logic Functions Based on Polarization Modulation With Direct Detection. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	17
93	A joint recovery scheme for carrier frequency offset and carrier phase noise using extended Kalman filter. Optical Fiber Technology, 2017, 36, 438-446.	2.7	15
94	An in-band OSNR monitoring technique for PM-Nyquist-WDM coherent system in presence of fiber nonlinearities. , 2017, , .		0
95	Demonstration and Evaluation of an Optimized RFS Comb for Terabit Flexible Optical Networks. Journal of Optical Communications and Networking, 2017, 9, 739.	4.8	5
96	A noise-folding suppression method in photonic compressed sampling. , 2017, , .		0
97	Reconfigurable optical logic gate of AND, OR, NAND and NOR based on polarization modulation with direct detection. , 2017, , .		2
98	The OAM transmission fiber based on circular photonic crystal fiber structure. , 2017, , .		4
99	Joint tracking and mitigation of linear dynamic impairments using a 3-stage extended Kalman filter in fiber channel. , 2017, , .		0
100	Extended Kalman filter for polarization demultiplexing in stokes space. , 2017, , .		1
101	Joint Scheme of Dynamic Polarization Demultiplexing and PMD Compensation Up To Second Order for Flexible Receivers. IEEE Photonics Journal, 2017, 9, 1-15.	2.0	9
102	Optical Frequency Comb Generation Based on Dual-Polarization IQ Modulator Shared by Two Polarization-Orthogonal Recirculating Frequency Shifting Loops. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	8
103	An SDN controlled self-optimizing approach in circular array equipped small cells. , 2017, , .		0
104	Design tools for circular photonic crystal fibers supporting orbital angular momentum modes. , 2017, , .		0
105	Joint equalization scheme for multi-polarization effects in faster than Nyquist WDM transmission systems. , 2017, , .		0
106	Erbium-doped amplification in circular photonic crystal fiber supporting orbital angular momentum modes. Applied Optics, 2017, 56, 1748.	2.1	25
107	The Orbital Angular Momentum Modes Supporting Fibers Based on the Photonic Crystal Fiber Structure. Crystals, 2017, 7, 286.	2.2	46
108	Electrical polarization in micro optical fiber and its applications in kilovoltage sensing. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
109	Extended Kalman Filter for Carrier Frequency Offset and Carrier Phase Noise. , 2017, , .		1
110	Joint Equalization Scheme of Polarization-state and Polarization Mode Dispersion Based on Extended Kalman Filter. , 2017, , .		1
111	Joint tracking and equalization scheme for multi-polarization effects in coherent optical communication systems. Optics Express, 2016, 24, 25491.	3.4	27
112	Macrobending Loss Measurements of G.657 Fiber with Suppression of Ripple Effect Induced by Whispering Gallery Modes. Journal of Physics: Conference Series, 2016, 679, 012004.	0.4	0
113	Intelligent Bandwidth-Estimation Technique for Orthogonal Frequency Division Multiplexing-Based Elastic Optical Networking. Journal of Optical Communications and Networking, 2016, 8, 938.	4.8	4
114	Evaluation of transmission performance of OAM-based FSO links with Laguerre-Gauss beams and Bessel-Gauss beams. , 2016, , .		0
115	High quality optical comb and optical comb based terabit optical transmission system. , 2016, , .		0
116	A circular photonic crystal fiber supporting OAM mode transmission. , 2016, , .		2
117	Deep sequencing of the MHC region in the Chinese population contributes to studies of complex disease. Nature Genetics, 2016, 48, 740-746.	21.4	188
118	Implementation of a Reconfigurable Optical Logic Gate Using a Single I/Q Modulator With Direct Detection. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	6
119	Semiconductor Optical Amplifier-Based Wavelength Conversion of Nyquist-16QAM for Flex-Grid Optical Networks. Journal of Lightwave Technology, 2016, 34, 2724-2729.	4.6	15
120	A New Type Circular Photonic Crystal Fiber for Orbital Angular Momentum Mode Transmission. IEEE Photonics Technology Letters, 2016, 28, 1426-1429.	2.5	105
121	A circular photonic crystal fiber supporting 26 OAM modes. Optical Fiber Technology, 2016, 30, 184-189.	2.7	72
122	Performance analysis of an all-optical logic gate based on a single I/Q modulator with direct detection. Applied Optics, 2016, 55, 6807.	2.1	0
123	A modified Viterbi and Viterbi phase estimation scheme in faster than Nyquist optical communication system. , 2016, , .		0
124	OSNR monitoring in presence of fiber nonlinearities for coherent Nyquist-WDM system. Optics Communications, 2016, 380, 10-14.	2.1	10
125	An effective carrier phase estimation scheme in faster than Nyquist WDM transmission system. Photonic Network Communications, 2016, 32, 253-258.	2.7	3
126	Carrier phase estimation scheme for faster-than-Nyquist optical coherent communication systems. Chinese Optics Letters, 2016, 14, 100601-100605.	2.9	0



#	ARTICLE	IF	CITATIONS
127	A New Design of a Circular Photonic Crystal Fiber Supporting 42 OAM Modes. , 2016, , .		1
128	An effective scheme of optical pilot aided carrier phase estimation for a time packing Nyquist optical communication system. Optical Fiber Technology, 2015, 26, 135-141.	2.7	0
129	Experimental demonstration of high-speed logic gates of OR, AND, XOR and NOR in optical domain based on a single I/Q modulator and direct detection. , 2015, , .		1
130	A Multistage CPE Scheme Based on Crossed Constellation Transformation for M-QAM. IEEE Photonics Technology Letters, 2015, 27, 77-80.	2.5	15
131	A good performance watermarking LDPC code used in high-speed optical fiber communication system. Optics Communications, 2015, 346, 99-105.	2.1	1
132	Digital pilot aided carrier frequency offset estimation for coherent optical transmission systems. Optics Express, 2015, 23, 24822.	3.4	15
133	A new designed OAM fiber enabling the integration of classical and quantum optical fiber communications. Proceedings of SPIE, 2015, , .	0.8	1
134	A novel receiver employing a compound-eye lens and a frequency domain synchronization algorithm for multiple-input single-output visible light communication system. , 2015, , .		1
135	Photonic generation of frequency-quadrupling millimeter-wave signals using polarization property. Optical Engineering, 2015, 55, 031106.	1.0	1
136	Analysis of frequency quadrupling using a single LN intensity modulator and a faraday mirror based bidirectional polarization rotator for millimeter wave generation. , 2015, , .		0
137	A new carrier phase recovery method in faster than Nyquist optical fiber communication system. , 2015, , .		3
138	A new designed dual-guided ring-core fiber for OAM mode transmission. Optical Fiber Technology, 2015, 25, 58-63.	2.7	28
139	Performance analysis on quality of optical frequency comb generated by the recirculating frequency shifter based on linear IQ modulator. Optical Engineering, 2015, 54, 116106.	1.0	3
140	Design of a Circular Photonic Crystal Fiber Supporting OAM Modes. , 2015, , .		7
141	Improved modulation format identification based on Stokes parameters using combination of fuzzy c-means and hierarchical clustering in coherent optical communication system. Chinese Optics Letters, 2015, 13, 100604-100608.	2.9	4
142	Periodic Training Sequence Aided In-Band OSNR Monitoring in Digital Coherent Receiver. IEEE Photonics Journal, 2014, 6, 1-8.	2.0	18
143	Carrier phase estimation schemes with bit-error-rate independent and modulation format transparency. , 2014, , .		0
144	Low noise optical multi-carrier generation using optical-FIR filter for ASE noise suppression in re-circulating frequency shifter loop. Optics Express, 2014, 22, 7852.	3.4	27

#	ARTICLE	IF	CITATIONS
145	Theoretical studies on the polarization-modulator-based single-side-band modulator used for generation of optical multicarrier. <i>Optics Express</i> , 2014, 22, 14087.	3.4	15
146	Optical domain scheme of pilot-tone-aided carrier phase recovery for Nyquist single-carrier optical communication system. <i>Optical Engineering</i> , 2014, 53, 066108.	1.0	7
147	High-quality frequency-locked optical frequency comb source for terabits optical communication system. <i>Optical Engineering</i> , 2014, 53, 122608.	1.0	11
148	Generation of a 50-tone optical frequency comb with a tone-to-noise ratio larger than 37dB. <i>Optical Fiber Technology</i> , 2014, 20, 116-119.	2.7	3
149	Investigation of interchannel nonlinear tolerance of 256-Gb/s polarization-division multiplexing return-to-zero 16-ary quadrature amplitude modulation in a hybrid wavelength-division multiplexing transmission system using optical comb. <i>Optical Engineering</i> , 2014, 53, 016111.	1.0	2
150	Sequencing-based approach identified three new susceptibility loci for psoriasis. <i>Nature Communications</i> , 2014, 5, 4331.	12.8	67
151	Pilot-tone-Aided Two-stage Carrier Phase Recovery in dual-carrier Nyquist m-QAM Transmission System. , 2014, , .		4
152	Joint estimation of frequency offset and chromatic dispersion based on the training sequences in M-ary QAM coherent optical transmission system. <i>Chinese Optics Letters</i> , 2014, 12, 100606-100609.	2.9	2
153	Performance Improvement of optical fiber communication system by using &#x03C0;-rotation low-density parity-check codes. , 2013, , .		0
154	A fast polarimeter calibration method using vector projection algorithm. , 2013, , .		0
155	A novel scheme for noise suppression in optical comb generation. , 2013, , .		2
156	High-quality frequency-locked multi-carrier source for a terabit optical communication system. , 2013, , .		0
157	Modified Synchronization Scheme for Coherent Optical OFDM Systems. <i>Journal of Optical Communications and Networking</i> , 2013, 5, 584.	4.8	12
158	Analysis of the performance of optical frequency comb based on recirculating frequency shifter influenced by an Er-doped fiber amplifier. <i>Photonics Research</i> , 2013, 1, 88.	7.0	11
159	The Available Options for Wavelength Group Selection and Transceiver Design for Next Generation PON Stage 2 (NG-PON2). <i>Journal of Optical Communications</i> , 2013, 34, .	4.7	1
160	Simultaneous Generations of Independent Millimeter Wave and 10ÅGbit/s Wired Signal by Single Electrode Modulator in TDM-PON Network. <i>Journal of Optical Communications</i> , 2013, 34, .	4.7	2
161	A Viable Passive Optical Network Design for Ultrahigh Definition TV Distribution. <i>Advances in OptoElectronics</i> , 2013, 2013, 1-6.	0.6	1
162	Analysis of the influence of laser linewidth on RFS-based Optical Comb Generation. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
163	High Tone-to-Noise Ratio Optical Comb Generation by Noise Suppression Using an Asymmetric Mach-Zehnder Interferometer. , 2013, , .		0
164	Generation of stable and high-quality frequency-locked carriers based on improved re-circulating frequency shifter. Optics Communications, 2012, 285, 4072-4075.	2.1	9
165	On Performance of Judging Region and Power Allocation for Wireless Network Coding with Asymmetric Modulation. , 2011, , .		0
166	Research optical network traffic based on the content identification. , 2011, , .		0
167	Modified 4 <sup>th</sup> -power phase recovery algorithm for square-16QAM. Proceedings of SPIE, 2011, , .	0.8	0
168	Generation of 50 Stable Frequency-Locked Optical Carriers for Tb/s Multicarrier Optical Transmission Using a Recirculating Frequency Shifter. Journal of Lightwave Technology, 2011, 29, 1085-1091.	4.6	59
169	Theoretical and experimental study on generation of stable and high-quality multi-carrier source based on re-circulating frequency shifter used for Tb/s optical transmission. Optics Express, 2011, 19, 848.	3.4	49
170	Demonstration of PMD compensation by using a DSP-Based OPMDC prototype in a 43-Gb/s RZ-DQPSK, 1200 km DWDM transmission. Optics Communications, 2011, 284, 4156-4160.	2.1	4
171	Regeneration of DQPSK signals using semiconductor optical amplifier-based phase regenerator. , 2011, , .		3
172	Complex Pairing Access Based on Network Coding with Interference Suppression. , 2011, , .		0
173	On Performance of Judging Region and Power Allocation for Wireless Network Coding with Asymmetric Modulation. , 2011, , .		0
174	A novel dual-polarization DQPSK system and its performance analysis. , 2011, , .		0
175	Low-density parity-check codes used for polarization mode dispersion mitigation in 40-Gb/s optical fiber system. , 2011, , .		0
176	Generation of Stable and High-Quality Multicarrier Source Based on Re-circulating Frequency Shifter for Tb/s Optical Transmission. , 2011, , .		4
177	An experiment of de-multiplexing for polarization division multiplexing system by PSO algorithm. , 2010, , .		0
178	Adaptive PMD compensation using DPSO algorithm for high-speed optical fibre communication systems. Proceedings of SPIE, 2010, , .	0.8	0
179	The experiment of the OPMDC performance in a 43-Gb/s RZ-DQPSK 1200km transmission testbed. , 2010, , .		0
180	Quickly obtaining degree of polarisation ellipsoid by using particle swarm optimisation. International Journal of Bio-Inspired Computation, 2010, 2, 51.	0.9	7

#	ARTICLE	IF	CITATIONS
181	Stable 112-Gb/s POLMUX-DQPSK transmission with automatic polarization tracker. , 2010, , .		5
182	A direct detection method for DPSK/DQPSK signals. , 2010, , .		0
183	Performance of OPMDC prototype in a 43Gb/s RZ-DQPSK, 1200km DWDM transmission system. , 2010, , .		0
184	An Application of DSP and CPLD Based Platform to Adaptive PMD Compensation. , 2010, , .		0
185	DSP based high precision real-time inline PMD monitoring. , 2010, , .		0
186	Adaptive PMD compensation using DPSO algorithm for high-speed optical fibre communication systems. , 2010, , .		0
187	A novel scheme of polarization stabilization using PSO algorithm. , 2010, , .		0
188	Analysis of the stability of recirculating frequency shifter used as a multi-tone wideband light source for Tb/s multi-carrier optical transmission. , 2010, , .		2
189	The implementation of a novel electronical compensation scheme for adaptive PMD compensator. , 2010, , .		1
190	A New Hybrid Particle Swarm Optimization Algorithm for Adaptive Polarization Mode Dispersion Compensation. , 2010, , .		0
191	Adaptive PMD compensation based on DSP and CPLD platform in 80Gb/s DQPSK optical transmission system. , 2010, , .		0
192	A novel method to calibrate LiNbO <sub>3</sub> -based polarization controllers. Chinese Optics Letters, 2010, 8, 804-806.	2.9	2
193	Analysis of the stability and optimizing operation of the single-side-band modulator based on re-circulating frequency shifter used for the T-bit/s optical communication transmission. Optics Express, 2010, 18, 17597.	3.4	68
194	Optimizing the Operation of $\text{LiNbO}_3$ -Based Multistage Polarization Controllers Through an Adaptive Algorithm. IEEE Photonics Journal, 2010, 2, 195-202.	2.0	3
195	Dynamic PMD compensation for high-speed optical fiber communication systems. , 2010, , .		0
196	Realization of PMD compensation in high-speed optical fiber communication network. , 2010, , .		0
197	An experiment of de-multiplexing for polarization division multiplexing system by PSO algorithm. , 2010, , .		0
198	The experiment of the OPMDC performance in a 43-Gb/s RZ-DQPSK 1200km transmission testbed. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
199	Transmission of 112Gb/s PM-RZ-DQPSK over 960 km with adaptive polarization tracking based on power difference. , 2010, , .		12
200	The Experiment of the OPMD Performance in a 43-Gb/s RZ-DQPSK 1200km Transmission Testbed. , 2010, , .		0
201	A Semiconductor Optical Amplifier Based Regenerator for Phase Modulated Signals. Guangxue Xuebao/Acta Optica Sinica, 2010, 30, 940-943.	1.2	0
202	Adaptive PMD Compensation Using DPSO Algorithm for High-speed Optical Fibre Communication Systems. , 2010, , .		0
203	An automatic PMD compensation scheme utilizing DPSO algorithm in 80Gbits/s DQPSK system. , 2009, , .		3
204	Adaptive PMD monitoring and compensation in optical fiber communications. , 2009, , .		5
205	A novel automatic PMD compensation scheme based on DSP in optical fiber communication systems. , 2009, , .		1
206	PMD mitigation using combination of PMD Compensator and a phase regenerator in optical 40 Gb/s DPSK system. , 2009, , .		0
207	A New Hybrid Gradient-Based Particle Swarm Optimization Algorithm and its Applications to Control of Polarization Mode Dispersion Compensation in Optical Fiber Communication Systems. , 2009, , .		4
208	A new control scheme based on DSP for automatic PMD compensation in optical fiber communication systems. , 2009, , .		6
209	High speed polarization monitoring for adaptive PMD compensation in optical communication systems. , 2009, , .		2
210	A high-speed adaptive PMD compensation scheme based on DSP using DPSO algorithm. , 2009, , .		6
211	Adaptive PMD compensation based on DSP in optical transmission systems. , 2009, , .		2
212	Optimization of Phase Regenerator in Differential Phase-Shift Keying Format Communication System. , 2009, , .		0
213	Analysis of phase regeneration of DPSK/DQPSK signals based on phase-sensitive amplification. Chinese Optics Letters, 2009, 7, 380-383.	2.9	2
214	Design and optimization of phase regenerator based on semiconductor optical amplifier. Proceedings of SPIE, 2009, , .	0.8	0
215	On the application of PSO algorithm for multichannel polarisation-mode dispersion compensation systems. International Journal of Modelling, Identification and Control, 2009, 8, 368.	0.2	1
216	Research on the principle of PSBT modulation format and its performance in the PMD compensation system. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
217	An experiment of polarization measurement using DSP-based control system. Proceedings of SPIE, 2009, , .	0.8	2
218	An experiment of PMD compensation based on DSP in 25-Gb/s CSRZ-DQPSK system. , 2009, , .		1
219	An endless polarization stabilizer based on DSP system. , 2009, , .		0
220	An Experiment of Polarization Measurement Using DSP-based Control System. , 2009, , .		4
221	PMD Mitigation Using Combination of Both PMD Compensator and a Novel Phase Regenerator in Optical DQPSK System. , 2009, , .		0
222	DOP Ellipsoid Collection Using DSP System. , 2009, , .		2
223	An Experiment of PMD Compensation Based on DSP in 25-Gb/s CSRZ-DQPSK System. , 2009, , .		0
224	An application of DSP to automatic PMD compensation in optical fiber communication systems. , 2008, , .		2
225	Phase regeneration of DPSK/DQPSK signals based on phase-sensitive amplification. Proceedings of SPIE, 2008, , .	0.8	0
226	Numerical estimation of phase jitter in a dispersion managed link. Proceedings of SPIE, 2008, , .	0.8	0
227	The influence of PMD on the degree of polarization ellipsoid. Proceedings of SPIE, 2008, , .	0.8	1
228	The least DOFs required for a polarization controller in PMD compensator. , 2008, , .		0
229	The least number of degrees of freedom for a polarization controller in each stage of PMD compensator. , 2008, , .		0
230	Real-Time PMD monitoring Using a DOP Ellipsoid Based on PSO Technique. , 2007, , .		1
231	PMD compensation in 10Gb/s DPSK optical communication system. Proceedings of SPIE, 2007, , .	0.8	2
232	Comparison of polarization-mode dispersion compensation performance between different modulation formats. , 2007, , .		0
233	Real-time PMD monitoring using a DOP ellipsoid based on PSO technique. , 2007, , .		0
234	Real-Time DOP Ellipsoid in Polarization Mode Dispersion Monitoring System by Using PSO Algorithm. Lecture Notes in Computer Science, 2007, , 1091-1098.	1.3	0

#	ARTICLE	IF	CITATIONS
235	An Application of Intelligent PSO Algorithm to Adaptive Compensation for Polarization Mode Dispersion in Optical Fiber Communication Systems. Lecture Notes in Computer Science, 2006, , 756-765.	1.3	1
236	Experimental research of obtaining DGD from DOP ellipsoids. , 2006, , .		0
237	Experimental Study of Compressing Optical Pulse by Using Photonic Crystal Fiber. , 2006, , .		0
238	The compensation performance of different modulation formats in polarization mode dispersion systems. , 2006, , .		1
239	Spectrum Broadening of Ps Pulses in Photonic Crystal Fibers. , 2006, , .		0
240	Multiwavelength Fiber Ring Laser Source Incorporating a Sagnac interferometer. , 2006, , .		0
241	PMD monitoring with PSO-based DOP ellipsoid. , 2005, 6021, 478.		0
242	Adaptive PMD compensation up to second-order in 40Gb/s OTDM optical communication system using two-stage compensator. , 2005, 5625, 266.		1
243	PMD and CD tunable compensation using the nonlinear chirp SBC with uniform grating period. , 2005, , .		0
244	A novel tunable polarization mode dispersion compensation of linear chirped Bragg grating without shift of central wavelength by variable magnetic field. , 2005, , .		0
245	Adaptive polarization mode dispersion compensation system based on DOP as the feedback control signal in 40Gbit/s OTDM system. , 2005, , .		0
246	Numerical optimization and simulation to wavelength-division multiplexing isolation filter consisted of two identical long period fiber grating. Optics Communications, 2005, 246, 367-372.	2.1	12
247	Automatic polarization-mode dispersion compensation by a particle-swarm optimization method and adaptive dithering algorithm. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 336.	2.1	1
248	Particle swarm optimization used as a control algorithm for adaptive PMD compensation. IEEE Photonics Technology Letters, 2005, 17, 85-87.	2.5	57
249	Two-stage adaptive PMD compensation in 40 Gb/s OTDM optical communication system using PSO algorithm. Optical and Quantum Electronics, 2004, 36, 1089-1104.	3.3	18
250	Two-stage adaptive PMD compensation in a 10 Gbit/s optical communication system using particle swarm optimization algorithm. Optics Communications, 2004, 231, 233-242.	2.1	28
251	Analysis of degree of polarization ellipsoid as feedback signal for polarization mode dispersion compensation in NRZ, RZ and CS-RZ systems. Optics Communications, 2004, 234, 107-117.	2.1	11
252	Automatic PMD Compensation Experiment With Particle Swarm Optimization and Adaptive Dithering Algorithms for 10-Gb/s NRZ and RZ Formats. IEEE Journal of Quantum Electronics, 2004, 40, 427-435.	1.9	9

#	ARTICLE	IF	CITATIONS
253	Polarization mode dispersion and chromatic dispersion compensation by using a three-stage compensator. <i>Optical and Quantum Electronics</i> , 2003, 35, 1367-1379.	3.3	1
254	Comments on "Switching dynamics of short optical pulses in a nonlinear directional coupler". <i>IEEE Journal of Quantum Electronics</i> , 2001, 37, 733-734.	1.9	0
255	Design Rules of Optical Pulse Compression Using Fiber-Fiber Grating. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2001, 121, 939-944.	0.2	0
256	Impacts of polarization mode dispersion on the pulse-width with considering initial pulse chirp and fiber GVD. <i>Optics Communications</i> , 2001, 200, 193-199.	2.1	0
257	Chirp elimination using a linearly chirped fiber grating. <i>Optical and Quantum Electronics</i> , 2001, 33, 1173-1180.	3.3	0
258	A comprehensive ray approach for teaching intermodal dispersion of a parabolic index profile fiber. <i>IEEE Transactions on Education</i> , 1999, 42, 271-275.	2.4	2
259	Dispersion-allocated soliton technology with long amplifier spacing and long distance. <i>IEEE Photonics Technology Letters</i> , 1997, 9, 952-954.	2.5	9