

# Xiaoguang Zhang

## List of Publications by Year in descending order

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259  
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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	Deep sequencing of the MHC region in the Chinese population contributes to studies of complex disease. <i>Nature Genetics</i> , 2016, 48, 740-746.	21.4	188
2	A New Type Circular Photonic Crystal Fiber for Orbital Angular Momentum Mode Transmission. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 1426-1429.	2.5	105
3	A design strategy of the circular photonic crystal fiber supporting good quality orbital angular momentum mode transmission. <i>Optics Communications</i> , 2017, 397, 59-66.	2.1	81
4	A circular photonic crystal fiber supporting 26 OAM modes. <i>Optical Fiber Technology</i> , 2016, 30, 184-189.	2.7	72
5	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. <i>Optics Express</i> , 2010, 18, 17597.	3.4	68
6	Spatiotemporal Mode-Locking in Lasers with Large Modal Dispersion. <i>Physical Review Letters</i> , 2021, 126, 093901.	7.8	68
7	Sequencing-based approach identified three new susceptibility loci for psoriasis. <i>Nature Communications</i> , 2014, 5, 4331.	12.8	67
8	Generation of 50 Stable Frequency-Locked Optical Carriers for Tb/s Multicarrier Optical Transmission Using a Recirculating Frequency Shifter. <i>Journal of Lightwave Technology</i> , 2011, 29, 1085-1091.	4.6	59
9	Particle swarm optimization used as a control algorithm for adaptive PMD compensation. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 85-87.	2.5	57
10	Two-parameter-SOP and three-parameter-RSOP fiber channels: problem and solution for polarization demultiplexing using Stokes space. <i>Optics Express</i> , 2018, 26, 21170.	3.4	57
11	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. <i>Optics Express</i> , 2011, 19, 848.	3.4	49
12	The Orbital Angular Momentum Modes Supporting Fibers Based on the Photonic Crystal Fiber Structure. <i>Crystals</i> , 2017, 7, 286.	2.2	46
13	Window-split structured frequency domain Kalman equalization scheme for large PMD and ultra-fast RSOP in an optical coherent PDM-QPSK system. <i>Optics Express</i> , 2018, 26, 7211.	3.4	46
14	A filterless scheme of generating frequency 16-tupling millimeter-wave based on only two MZMs. <i>Optics and Laser Technology</i> , 2019, 116, 7-12.	4.6	42
15	Identifying modulation formats through 2D Stokes planes with deep neural networks. <i>Optics Express</i> , 2018, 26, 23507.	3.4	40
16	Design tool for circular photonic crystal fibers supporting orbital angular momentum modes. <i>Applied Optics</i> , 2018, 57, 2474.	1.8	29
17	Two-stage adaptive PMD compensation in a 10 Gbit/s optical communication system using particle swarm optimization algorithm. <i>Optics Communications</i> , 2004, 231, 233-242.	2.1	28
18	A new designed dual-guided ring-core fiber for OAM mode transmission. <i>Optical Fiber Technology</i> , 2015, 25, 58-63.	2.7	28

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19	Joint equalization scheme of ultra-fast RSOP and large PMD compensation in presence of residual chromatic dispersion. <i>Optics Express</i> , 2019, 27, 21896.	3.4	28
20	Low noise optical multi-carrier generation using optical-FIR filter for ASE noise suppression in re-circulating frequency shifter loop. <i>Optics Express</i> , 2014, 22, 7852.	3.4	27
21	Joint tracking and equalization scheme for multi-polarization effects in coherent optical communication systems. <i>Optics Express</i> , 2016, 24, 25491.	3.4	27
22	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
23	Erbium-doped amplification in circular photonic crystal fiber supporting orbital angular momentum modes. <i>Applied Optics</i> , 2017, 56, 1748.	2.1	25
24	Frequency offset estimation for nonlinear frequency division multiplexing with discrete spectrum modulation. <i>Optics Express</i> , 2019, 27, 28223.	3.4	24
25	Robust neural network receiver for multiple-eigenvalue modulated nonlinear frequency division multiplexing system. <i>Optics Express</i> , 2020, 28, 18304.	3.4	23
26	Blind and low-complexity modulation format identification scheme using principal component analysis of Stokes parameters for elastic optical networks. <i>Optics Express</i> , 2020, 28, 20249.	3.4	23
27	Two-stage adaptive PMD compensation in 40 Gb/s OTDM optical communication system using PSO algorithm. <i>Optical and Quantum Electronics</i> , 2004, 36, 1089-1104.	3.3	18
28	Periodic Training Sequence Aided In-Band OSNR Monitoring in Digital Coherent Receiver. <i>IEEE Photonics Journal</i> , 2014, 6, 1-8.	2.0	18
29	A Reconfigurable Optical Logic Gate With up to 25 Logic Functions Based on Polarization Modulation With Direct Detection. <i>IEEE Photonics Journal</i> , 2017, 9, 1-11.	2.0	17
30	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
31	Identifying Probabilistically Shaped Modulation Formats Through 2D Stokes Planes With Two-Stage Deep Neural Networks. <i>IEEE Access</i> , 2020, 8, 6742-6750.	4.2	16
32	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
33	A Multistage CPE Scheme Based on Crossed Constellation Transformation for M-QAM. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 77-80.	2.5	15
34	Digital pilot aided carrier frequency offset estimation for coherent optical transmission systems. <i>Optics Express</i> , 2015, 23, 24822.	3.4	15
35	Semiconductor Optical Amplifier-Based Wavelength Conversion of Nyquist-16QAM for Flex-Grid Optical Networks. <i>Journal of Lightwave Technology</i> , 2016, 34, 2724-2729.	4.6	15
36	A joint recovery scheme for carrier frequency offset and carrier phase noise using extended Kalman filter. <i>Optical Fiber Technology</i> , 2017, 36, 438-446.	2.7	15

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37	Joint blind equalization of CD and RSOP using a time-frequency domain Kalman filter structure in Stokes vector direct detection system. <i>Optics Express</i> , 2019, 27, 11557.	3.4	15
38	Probabilistic shaping and neural network-based optimization for a nonlinear frequency division multiplexing system. <i>Optics Letters</i> , 2021, 46, 3697.	3.3	13
39	Numerical optimization and simulation to wavelength-division multiplexing isolation filter consisted of two identical long period fiber grating. <i>Optics Communications</i> , 2005, 246, 367-372.	2.1	12
40	Transmission of 112Gb/s PM-RZ-DQPSK over 960 km with adaptive polarization tracking based on power difference. , 2010, , .		12
41	Modified Synchronization Scheme for Coherent Optical OFDM Systems. <i>Journal of Optical Communications and Networking</i> , 2013, 5, 584.	4.8	12
42	Two-Layer Erbium-Doped Air-Core Circular Photonic Crystal Fiber Amplifier for Orbital Angular Momentum Mode Division Multiplexing System. <i>Crystals</i> , 2019, 9, 156.	2.2	12
43	Analysis of degree of polarization ellipsoid as feedback signal for polarization mode dispersion compensation in NRZ, RZ and CS-RZ systems. <i>Optics Communications</i> , 2004, 234, 107-117.	2.1	11
44	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
45	High-quality frequency-locked optical frequency comb source for terabits optical communication system. <i>Optical Engineering</i> , 2014, 53, 122608.	1.0	11
46	OSNR monitoring in presence of fiber nonlinearities for coherent Nyquist-WDM system. <i>Optics Communications</i> , 2016, 380, 10-14.	2.1	10
47	All-fiber broadband multiplexer based on an elliptical ring core fiber structure mode selective coupler. <i>Optics Letters</i> , 2019, 44, 2994.	3.3	10
48	Density-matrix formalism for modal coupling and dispersion in mode-division multiplexing communications systems. <i>Optics Express</i> , 2020, 28, 18658.	3.4	10
49	Cross-coupling effect induced beam shifts for polarized vortex beam at two-dimensional anisotropic monolayer graphene surface. <i>Optics Express</i> , 2020, 28, 8308.	3.4	10
50	Dispersion-allocated soliton technology with long amplifier spacing and long distance. <i>IEEE Photonics Technology Letters</i> , 1997, 9, 952-954.	2.5	9
51	Automatic PMD Compensation Experiment With Particle Swarm Optimization and Adaptive Dithering Algorithms for 10-Gb/s NRZ and RZ Formats. <i>IEEE Journal of Quantum Electronics</i> , 2004, 40, 427-435.	1.9	9
52	Generation of stable and high-quality frequency-locked carriers based on improved re-circulating frequency shifter. <i>Optics Communications</i> , 2012, 285, 4072-4075.	2.1	9
53	Joint Scheme of Dynamic Polarization Demultiplexing and PMD Compensation Up To Second Order for Flexible Receivers. <i>IEEE Photonics Journal</i> , 2017, 9, 1-15.	2.0	9
54	Joint equalization of linear impairments using two-stage cascade Kalman filter structure in coherent optical communication systems. <i>Optics Communications</i> , 2019, 453, 124398.	2.1	9

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55	An adaptive Kalman filter for extreme polarization effects equalization in coherent optical communication system. Optics Communications, 2019, 445, 125-135.	2.1	9
56	High sensitivity micro-fiber Mach-Zehnder interferometric temperature sensors with a high index ring layer. Optics Express, 2019, 27, 34247.	3.4	9
57	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
58	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
59	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
60	Modulation Format Identification Using Graph-Based 2D Stokes Plane Analysis for Elastic Optical Network. IEEE Photonics Journal, 2021, 13, 1-15.	2.0	8
61	Photonic filterless scheme to generate V-band OFDM vector mm-wave signal without precoding. Optics Communications, 2020, 466, 125663.	2.1	8
62	Quickly obtaining degree of polarisation ellipsoid by using particle swarm optimisation. International Journal of Bio-Inspired Computation, 2010, 2, 51.	0.9	7
63	Optical domain scheme of pilot-tone-aided carrier phase recovery for Nyquist single-carrier optical communication system. Optical Engineering, 2014, 53, 066108.	1.0	7
64	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
65	A hollow-core circular photonic crystal fiber mode selective coupler for generating orbital angular momentum modes. Optical Fiber Technology, 2021, 64, 102543.	2.7	7
66	Design of a Circular Photonic Crystal Fiber Supporting OAM Modes. , 2015, , .		7
67	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
68	A new control scheme based on DSP for automatic PMD compensation in optical fiber communication systems. , 2009, , .		6
69	A high-speed adaptive PMD compensation scheme based on DSP using DPSO algorithm. , 2009, , .		6
70	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
71	Fiber nonlinearity-insensitive OSNR monitoring for coherent PM-QPSK-Nyquist-WDM system. Optical Fiber Technology, 2017, 36, 215-221.	2.7	6
72	Micro-fiber Mach-Zehnder interferometer based on ring-core fiber. Optics Express, 2019, 27, 34603.	3.4	6

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73	Nonlinear-frequency-packing nonlinear frequency division multiplexing transmission. Optics Express, 2020, 28, 15360.	3.4	6
74	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
75	Kalman filter polarization demultiplexing algorithm based on diagonalized matrix treatment. Optics Express, 2022, 30, 2803.	3.4	6
76	Transmission of 120 Gbaud QAM With an All-Silicon Segmented Modulator. Journal of Lightwave Technology, 2022, 40, 5457-5466.	4.6	6
77	Adaptive PMD monitoring and compensation in optical fiber communications. , 2009, , .		5
78	Stable 112-Gb/s POLMUX-DQPSK transmission with automatic polarization tracker. , 2010, , .		5
79	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
80	A Joint Scheduling and Beamforming Scheme for RoF-Aided MC-SSN. IEEE Access, 2019, 7, 29245-29252.	4.2	5
81	Theory for mode coupling in perturbed fibers. Optics Communications, 2020, 463, 125355.	2.1	5
82	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
83	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
84	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
85	The OAM transmission fiber based on circular photonic crystal fiber structure. , 2017, , .		4
86	Analysis of the Transmission Characteristic and Stress-Induced Birefringence of Hollow-Core Circular Photonic Crystal Fiber. Crystals, 2019, 9, 128.	2.2	4
87	An Adaptive Coverage Enhancement Scheme Based on mmWave RoF for Future HetNets. IEEE Access, 2019, 7, 29107-29113.	4.2	4
88	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
89	Deep learning-based nonlinear phase shift estimation in coherent optical communication systems. Optics Communications, 2021, 488, 126833.	2.1	4
90	Nonlinear frequency domain PMD modeling and equalization for nonlinear frequency division multiplexing transmission. Optics Express, 2021, 29, 28190.	3.4	4

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91	An Experiment of Polarization Measurement Using DSP-based Control System. , 2009, , .		4
92	Pilot-tone-Aided Two-stage Carrier Phase Recovery in dual-carrier Nyquist m-QAM Transmission System. , 2014, , .		4
93	Generation of Stable and High-Quality Multicarrier Source Based on Re-circulating Frequency Shifter for Tb/s Optical Transmission. , 2011, , .		4
94	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
95	Physical layer encryption for polarization division multiplexing coherent optical communication system based on the rotation of the state of polarization. , 2021, , .		4
96	RSOP Equalization through an Extend Kalman Filter Scheme in Stokes Vector Direct Detection System. , 2018, , .		4
97	True Equalization of PDL in Presence of Fast RSOP. , 2020, , .		4
98	Joint modulation format identification and OSNR estimation method based on trajectory information analysis. Optics Communications, 2022, 507, 127657.	2.1	4
99	An automatic PMD compensation scheme utilizing DPSO algorithm in 80Gbits/s DQPSK system. , 2009, , .		3
100	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
101	Regeneration of DQPSK signals using semiconductor optical amplifier-based phase regenerator. , 2011, , .		3
102	Generation of a 50-tone optical frequency comb with a tone-to-noise ratio larger than 37dB. Optical Fiber Technology, 2014, 20, 116-119.	2.7	3
103	A new carrier phase recovery method in faster than Nyquist optical fiber communication system. , 2015, , .		3
104	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
105	An effective carrier phase estimation scheme in faster than Nyquist WDM transmission system. Photonic Network Communications, 2016, 32, 253-258.	2.7	3
106	True Equalization of Polarization-Dependent Loss in Presence of Fast Rotation of SOP. Applied Sciences (Switzerland), 2020, 10, 3844.	2.5	3
107	A Sharp-Peak Model Describing the Fast RSOP Induced by the Lightning Strikes and Its Tracking Method. , 2021, , .		3
108	Modulation format identification using the Calinski-Harabasz index. Applied Optics, 2022, 61, 851.	1.8	3

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109	A comprehensive ray approach for teaching intermodal dispersion of a parabolic index profile fiber. IEEE Transactions on Education, 1999, 42, 271-275.	2.4	2
110	PMD compensation in 10Gb/s DPSK optical communication system. Proceedings of SPIE, 2007, , .	0.8	2
111	An application of DSP to automatic PMD compensation in optical fiber communication systems. , 2008, , .		2
112	High speed polarization monitoring for adaptive PMD compensation in optical communication systems. , 2009, , .		2
113	Adaptive PMD compensation based on DSP in optical transmission systems. , 2009, , .		2
114	Analysis of phase regeneration of DPSK/DQPSK signals based on phase-sensitive amplification. Chinese Optics Letters, 2009, 7, 380-383.	2.9	2
115	An experiment of polarization measurement using DSP-based control system. Proceedings of SPIE, 2009, , .	0.8	2
116	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
117	A novel method to calibrate LiNbO <sub>3</sub> -based polarization controllers. Chinese Optics Letters, 2010, 8, 804-806.	2.9	2
118	A novel scheme for noise suppression in optical comb generation. , 2013, , .		2
119	Simultaneous Generations of Independent Millimeter Wave and 10 <sup>10</sup> Gbit/s Wired Signal by Single Electrode Modulator in TDM-PON Network. Journal of Optical Communications, 2013, 34, .	4.7	2
120	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. Optical Engineering, 2014, 53, 016111.	1.0	2
121	A circular photonic crystal fiber supporting OAM mode transmission. , 2016, , .		2
122	Reconfigurable optical logic gate of AND, OR, NAND and NOR based on polarization modulation with direct detection. , 2017, , .		2
123	Two-layer Erbium Doped Annular Photonic Crystal Fiber Amplifier for Orbital Angular Momentum Multiplexing System. , 2018, , .		2
124	Hybrid Probabilistic-Geometric Shaping in DP-NFDM Systems. , 2019, , .		2
125	Polarization demultiplexing scheme for probabilistic shaping Stokes vector direct detection system using extended Kalman filter. Optics Communications, 2020, 461, 125192.	2.1	2
126	Fast tracking of polarization impairments using DSP algorithms in fiber for a coherent optical communication system. Microwave and Optical Technology Letters, 2021, 63, 2453-2460.	1.4	2



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127	DOP Ellipsoid Collection Using DSP System. , 2009, , .		2
128	Joint estimation of frequency offset and chromatic dispersion based on the training sequences in M-ary QAM coherent optical transmission system. Chinese Optics Letters, 2014, 12, 100606-100609.	2.9	2
129	Application of wavelet threshold denoising in PMD measurement by fixed analyzer method. , 2018, , .		2
130	Effects of the Intramode-Group Coupling Induced by the Elliptical Deformation of Orbital Angular Momentum Fibers. IEEE Photonics Journal, 2022, 14, 1-9.	2.0	2
131	Design of Orbital Angular Momentum Modes Coupler Based on Circular Photonic Crystal Fiber. , 2020, , .		2
132	A Kalman Filter Based Carrier Phase Recovery Scheme for Probabilistic Shaping M-QAM System. , 2020, , .		2
133	An Optimized Full-spectrum Modulated NFDm System by Combining Geometric Shaping and Linear Minimum Mean Square Error Estimator. , 2022, , .		2
134	Polarization mode dispersion and chromatic dispersion compensation by using a three-stage compensator. Optical and Quantum Electronics, 2003, 35, 1367-1379.	3.3	1
135	Adaptive PMD compensation up to second-order in 40Gb/s OTDM optical communication system using two-stage compensator. , 2005, 5625, 266.		1
136	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
137	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
138	The compensation performance of different modulation formats in polarization mode dispersion systems. , 2006, , .		1
139	Real-Time PMD monitoring Using a DOP Ellipsoid Based on PSO Technique. , 2007, , .		1
140	The influence of PMD on the degree of polarization ellipsoid. Proceedings of SPIE, 2008, , .	0.8	1
141	A novel automatic PMD compensation scheme based on DSP in optical fiber communication systems. , 2009, , .		1
142	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
143	An experiment of PMD compensation based on DSP in 25-Gb/s CSRZ-DQPSK system. , 2009, , .		1
144	The implementation of a novel electronical compensation scheme for adaptive PMD compensator. , 2010, , .		1

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145	The Available Options for Wavelength Group Selection and Transceiver Design for Next Generation PON Stage 2 (NG-PON2). Journal of Optical Communications, 2013, 34, .	4.7	1
146	A Viable Passive Optical Network Design for Ultrahigh Definition TV Distribution. Advances in OptoElectronics, 2013, 2013, 1-6.	0.6	1
147	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
148	A good performance watermarking LDPC code used in high-speed optical fiber communication system. Optics Communications, 2015, 346, 99-105.	2.1	1
149	A new designed OAM fiber enabling the integration of classical and quantum optical fiber communications. Proceedings of SPIE, 2015, , .	0.8	1
150	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
151	Photonic generation of frequency-quadrupling millimeter-wave signals using polarization property. Optical Engineering, 2015, 55, 031106.	1.0	1
152	Extended Kalman filter for polarization demultiplexing in stokes space. , 2017, , .		1
153	Macro-bending Losses of Circular Photonic Crystal Fiber Supporting 14 OAM Modes. , 2018, , .		1
154	Theory for Mode Coupling in Non-Ideal Ring Fibers. , 2018, , .		1
155	Probabilistic Shaping for Direct Detection Transmission With Kramers-Kronig Receiver. , 2019, , .		1
156	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
157	Joint Equalization Scheme of Ultra-fast RSOP and Large PMD in Presence of Residual Chromatic Dispersion. , 2019, , .		1
158	Low Complexity and Robust Pilot-aided Frequency Kalman Filter Scheme for Extreme Polarization Effects Equalization. , 2021, , .		1
159	Hybrid Cladding Ring-Core Fiber with Weakly Spin-Orbit Coupling for OAM Mode Division Multiplexing Transmission. , 2021, , .		1
160	Vector Mode Converters Based on Cascaded LPFGs in Elliptical Ring-Core Fiber. , 2021, , .		1
161	A Ring Core Photonic Crystal Fiber with Hybrid Cladding Supporting High Quality Orbital Angular Momentum Modes. , 2021, , .		1
162	A New Design of a Circular Photonic Crystal Fiber Supporting 42 OAM Modes. , 2016, , .		1

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163	Extended Kalman Filter for Carrier Frequency Offset and Carrier Phase Noise. , 2017, , .		1
164	Joint Equalization Scheme of Polarization-state and Polarization Mode Dispersion Based on Extended Kalman Filter. , 2017, , .		1
165	A new approach to generate the optical millimeter-wave signals using frequency 12-tupling without an optical filter. , 2018, , .		1
166	Modeling of PMD for wideband fiber channel and its influence on optical fiber communication system. , 2021, , .		1
167	Nonlinear Phase Shift Estimation in Coherent Optical Communication Systems with Neural Networks. , 2020, , .		1
168	Comments on "Switching dynamics of short optical pulses in a nonlinear directional coupler". IEEE Journal of Quantum Electronics, 2001, 37, 733-734.	1.9	0
169	Design Rules of Optical Pulse Compression Using Fiber-Fiber Grating. IEEE Transactions on Fundamentals and Materials, 2001, 121, 939-944.	0.2	0
170	Impacts of polarization mode dispersion on the pulse-width with considering initial pulse chirp and fiber GVD. Optics Communications, 2001, 200, 193-199.	2.1	0
171	Chirp elimination using a linearly chirped fiber grating. Optical and Quantum Electronics, 2001, 33, 1173-1180.	3.3	0
172	PMD monitoring with PSO-based DOP ellipsoid. , 2005, 6021, 478.		0
173	PMD and CD tunable compensation using the nonlinear chirp SBC with uniform grating period. , 2005, , .		0
174	A novel tunable polarization mode dispersion compensation of linear chirped Bragg grating without shift of central wavelength by variable magnetic field. , 2005, , .		0
175	Adaptive polarization mode dispersion compensation system based on DOP as the feedback control signal in 40Gbit/s OTDM system. , 2005, , .		0
176	Experimental research of obtaining DGD from DOP ellipsoids. , 2006, , .		0
177	Experimental Study of Compressing Optical Pulse by Using Photonic Crystal Fiber. , 2006, , .		0
178	Spectrum Broadening of Ps Pulses in Photonic Crystal Fibers. , 2006, , .		0
179	Multiwavelength Fiber Ring Laser Source Incorporating a Sagnac interferometer. , 2006, , .		0
180	Comparison of polarization-mode dispersion compensation performance between different modulation formats. , 2007, , .		0

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181	Real-time PMD monitoring using a DOP ellipsoid based on PSO technique. , 2007, , .		0
182	Phase regeneration of DPSK/DQPSK signals based on phase-sensitive amplification. Proceedings of SPIE, 2008, , .	0.8	0
183	Numerical estimation of phase jitter in a dispersion managed link. Proceedings of SPIE, 2008, , .	0.8	0
184	The least DOFs required for a polarization controller in PMD compensator. , 2008, , .		0
185	The least number of degrees of freedom for a polarization controller in each stage of PMD compensator. , 2008, , .		0
186	PMD mitigation using combination of PMD Compensator and a phase regenerator in optical 40 Gb/s DPSK system. , 2009, , .		0
187	Optimization of Phase Regenerator in Differential Phase-Shift Keying Format Communication System. , 2009, , .		0
188	Design and optimization of phase regenerator based on semiconductor optical amplifier. Proceedings of SPIE, 2009, , .	0.8	0
189	Research on the principle of PSBT modulation format and its performance in the PMD compensation system. , 2009, , .		0
190	An endless polarization stabilizer based on DSP system. , 2009, , .		0
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