

Xiangjun Xin

List of Publications by Year in descending order

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157
papers

1,323
citations

304743

22
h-index

414414

32
g-index

158
all docs

158
docs citations

158
times ranked

1027
citing authors

#	ARTICLE	IF	CITATIONS
1	An Elastic Resource Allocation Algorithm Based on Dispersion Degree for Hybrid Requests in Satellite Optical Networks. IEEE Internet of Things Journal, 2022, 9, 6536-6549.	8.7	7
2	Distributed Optical Fiber Sensing System for Large Infrastructure Temperature Monitoring. IEEE Internet of Things Journal, 2022, 9, 3333-3345.	8.7	7
3	High Accuracy and Low Complexity Frequency Offset Estimation Method Based on All Phase FFT for M-QAM Coherent Optical Systems. IEEE Photonics Journal, 2022, 14, 1-6.	2.0	4
4	Optical fiber nonlinearity equalizer with support vector regression based on perturbation theory. Optics Communications, 2022, 507, 127627.	2.1	7
5	Convolutional Neural Network-Aided DP-64 QAM Coherent Optical Communication Systems. Journal of Lightwave Technology, 2022, 40, 2880-2889.	4.6	24
6	Design of Probabilistic Shaping 4D Ultra High Order Modulation Format With 8APSK Pilot Aided Carrier Phase Recovery. Journal of Lightwave Technology, 2022, 40, 3688-3697.	4.6	2
7	Singlemode-Multimode-Singlemode Optical Fiber Sensor for Accurate Blood Pressure Monitoring. Journal of Lightwave Technology, 2022, 40, 4443-4450.	4.6	13
8	Multi-Carrier Signal Recognition Method Based on Multi-Feature Input and Hybrid Training Neural Network. Electronics (Switzerland), 2022, 11, 579.	3.1	1
9	Blind Modulation Format Identification Based on Principal Component Analysis and Singular Value Decomposition. Electronics (Switzerland), 2022, 11, 612.	3.1	0
10	Experimental Demonstration of Superimposed Probabilistic 16CAP With the Joint Chaotic Model in a Multi-Core Transmission System. IEEE Photonics Journal, 2022, 14, 1-6.	2.0	2
11	Mitigating the ambiguity problem in the CNN-based wavefront correction. Optics Letters, 2022, 47, 3251.	3.3	7
12	Adaptive Optics for Orbital Angular Momentum-Based Internet of Underwater Things Applications. IEEE Internet of Things Journal, 2022, 9, 24281-24299.	8.7	42
13	performance of high-order APPM and AOPPM for non-Kolmogorov gamma-gamma channel FSO communications. Microwave and Optical Technology Letters, 2021, 63, 1141-1146.	1.4	0
14	Singlemode-Multimode-Singlemode Fiber Structures for Sensing Applications—A Review. IEEE Sensors Journal, 2021, 21, 12734-12751.	4.7	78
15	Adaptive weighted 61-QAM based on geometric shaping in coherent optical communication utilizing K-Means algorithm. Microwave and Optical Technology Letters, 2021, 63, 2269-2273.	1.4	3
16	Fast adaptive weighted constellation designs based on hybrid constellation shaping for long-haul optical fiber communication systems. Microwave and Optical Technology Letters, 2021, 63, 1984-1989.	1.4	0
17	Flexible and fast multi-level modulation format identification using optical orthogonal frequency division multiplexing redundancy subcarriers. Microwave and Optical Technology Letters, 2021, 63, 2436-2441.	1.4	0
18	Adaptive Snapshot Routing Based on Space Debris Risk Perception in Satellite Optical Networks. , 2021, ,		2

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19	Probabilistic shaping communication system aided by neural network distribution matcher in data center optical network. Microwave and Optical Technology Letters, 2021, 63, 2274-2278.	1.4	1
20	A Layer-Reduced Neural Network Based Digital Backpropagation Algorithm for Fiber Nonlinearity Mitigation. IEEE Photonics Journal, 2021, 13, 1-12.	2.0	3
21	New BFS Retrieval Technique for Brillouin Optical Time Domain Analysis Sensor System. Electronics (Switzerland), 2021, 10, 1334.	3.1	2
22	Fault Localization based on Knowledge Graph in Software-Defined Optical Networks. Journal of Lightwave Technology, 2021, 39, 4236-4246.	4.6	22
23	A dynamic optical network units slicing algorithm for centralized flexible time- and wavelength-division multiplexing passive optical network. , 2021, , .		1
24	Joint Optimization of 260km Unrepeated Transmission System using Third Order DRA and ROPA. , 2021, , .		0
25	A Dynamic Resource Allocation based on Network Traffic Prediction for Sliced Passive Optical Network. , 2021, , .		7
26	Probabilistically Shaped PAM-8 for Few Mode IM/DD Links with a Training Sequence Aided CMA. , 2021, , .		0
27	Generation of Collinear Superimposed Orbital Angular Momentum Modes Using a Phase-only Grating. , 2021, , .		0
28	A FTN rate transmission scheme for multi-band optical transmission systems. , 2021, , .		0
29	A comprehensive nonlinear filter scheme for 50Gb/s PAM4-PON Systems. , 2021, , .		0
30	The research of probabilistic shaping signal transmission scheme based on neural network LLR calculation. , 2021, , .		1
31	Research on Multi-band Fiber Transmission System with Multi-carrier and Adaptive Modulation. , 2021, , .		0
32	Multidimensional Modulation Method based on Grouped Subcarrier Index Modulated OFDM. , 2021, , .		1
33	A shortening pattern selection method of shortened Polar codes. , 2021, , .		0
34	Optimized Decision Method Based on K-means- TKNN for Coherent Optical Communication Systems. , 2021, , .		0
35	Constellation-shaped three-dimension 14QAM mapping scheme based on regular tetrahedron cells. Optical Engineering, 2021, 60, .	1.0	1
36	K-means Cluster Algorithm Applied for Geometric Shaping Based on Iterative Polar Modulation in Inter-Data Centers Optical Interconnection. Electronics (Switzerland), 2021, 10, 2417.	3.1	1

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37	A Fiber Nonlinearity Compensation Scheme With Complex-Valued Dimension-Reduced Neural Network. IEEE Photonics Journal, 2021, 13, 1-7.	2.0	9
38	A Tiny In-Line Coupler Tip With the Half Tapered Dual-Core Photonic Crystal Fibre. IEEE Sensors Journal, 2021, 21, 26814-26820.	4.7	1
39	Polarization Power Correlation Function-Based Nonlinearity Monitoring in PM-16QAM Coherent Optical Fiber Transmission Systems. , 2021, , .		1
40	A novel noise model based on balanced detection for an ultrafast line-scan imaging system. Optics Communications, 2020, 460, 124508.	2.1	1
41	SOA Pre-Amplified 100 Gb/s/λ PAM-4 TDM-PON Downstream Transmission Using 10 Gbps O-Band Transmitters. Journal of Lightwave Technology, 2020, 38, 185-193.	4.6	30
42	An Integrated Biological Analysis and Flow Rate Sensing for the Real-Time Detection of Carcinogen in Water Based on Co ²⁺ -Doped Optical Fibers. IEEE Sensors Journal, 2020, 20, 1912-1921.	4.7	6
43	200 Gbit/s PDM-PAM-4 PON system based on intensity modulation and coherent detection. Journal of Optical Communications and Networking, 2020, 12, A1.	4.8	37
44	Service Function Path Provisioning With Topology Aggregation in Multi-Domain Optical Networks. IEEE/ACM Transactions on Networking, 2020, 28, 2755-2767.	3.8	12
45	A Novel Nonlinear Noise Power Estimation Method Based on Error Vector Correlation Function Using Artificial Neural Networks For Coherent Optical Fiber Transmission Systems. IEEE Access, 2020, 8, 75256-75263.	4.2	4
46	Robust and Low-Complexity Principal Component-Based Phase Estimation Algorithm for Probabilistically Shaped Square-QAM Systems. Journal of Lightwave Technology, 2020, 38, 6153-6162.	4.6	18
47	Self-Optimizing Optical Network With Cloud-Edge Collaboration: Architecture and Application. IEEE Open Journal of the Computer Society, 2020, 1, 220-229.	7.8	3
48	Traffic Load Balancing based on Probabilistic Routing in Data Center Networks. , 2020, , .		3
49	Security-Enhanced 3D-CAP-PON Based on Two-Stage Spherical Constellation Masking. IEEE Access, 2020, 8, 111966-111973.	4.2	12
50	Traffic-Adaptive Inter Wavelength Load Balancing for TWDM PON. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	3
51	Demonstration of SDN-Enabled Hybrid Polling Algorithm for Packet Contention Resolution in Optical Data Center Network. Journal of Lightwave Technology, 2020, 38, 3296-3304.	4.6	7
52	Three-Dimensional Probabilistically Shaped CAP Modulation Based on Constellation Design Using Regular Tetrahedron Cells. Journal of Lightwave Technology, 2020, 38, 1728-1734.	4.6	20
53	Ultra-Wide and Flattened Optical Frequency Comb Generation Based on Cascaded Phase Modulator and LiNbO ₃ -MZM Offering Terahertz Bandwidth. IEEE Access, 2020, 8, 76692-76699.	4.2	18
54	Chaotic constant composition distribution matching for physical layer security in a PS-OFDM-PON. Optics Express, 2020, 28, 39266.	3.4	41

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55	A Dynamic Bandwidth Allocation Scheme for Internet of Thing in Network-Slicing Passive Optical Networks. , 2020, , .		2
56	Subchannel and Power Allocation with Fairness Guaranteed for the Downlink of NOMA-Based Networks. IEICE Transactions on Communications, 2020, E103.B, 1447-1461.	0.7	6
57	Probabilistic shaping 16 quadrature amplitude modulation scheme based on trellis-coded modulation for short-reach optical communication. Optical Engineering, 2020, 59, 1.	1.0	38
58	Study on optical hierarchical sorting of particles based on the Fraunhofer diffraction field of spiral phase plate array. Optical Engineering, 2020, 59, .	1.0	1
59	Dynamic bandwidth allocation for multi-QoS guarantee based on bee colony optimization. , 2020, , .		1
60	A Probabilistically Shaped CAP Modulation Method Employing Multiple Subsets Mapping With Symbol Classification for a Short Reach Communication. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	3
61	Assessment of Adaptive Polling Contention Resolution for Optical Switching in Edge Data Center Networking. IEEE Photonics Journal, 2019, 11, 1-15.	2.0	2
62	Envelope detection of 16QAM single carrier signal for IM/DD RoF system at Q-band. IEICE Electronics Express, 2019, 16, 20180986-20180986.	0.8	1
63	Adaptive Reed-Solomon coding and envelope detection of photonic vector signal in V-band radio over fiber system. Optics Communications, 2019, 439, 210-217.	2.1	0
64	Theoretical analysis of high-quality multicarrier generator based on double complementary re-circulating frequency shifter. Optics Communications, 2019, 445, 222-230.	2.1	5
65	Adaptive dynamic wavelength and bandwidth allocation algorithm based on error-back-propagation neural network prediction. Optics Communications, 2019, 437, 276-284.	2.1	18
66	Demand Forecasting DBA Algorithm for Reducing Packet Delay with Efficient Bandwidth Allocation in XG-PON. Electronics (Switzerland), 2019, 8, 147.	3.1	19
67	Clock Recovery Based on Adaptive Phase Error Detection for Coherent Optical Transmission Systems. , 2019, , .		0
68	High Power-Efficient 4D Trellis Coded Modulation PS-8PSK for Long-Haul Optical System. , 2019, , .		1
69	Massive MIMO Precoding Based On Channel Condition Number. , 2019, , .		1
70	Experimental Study of Atmospheric Turbulence Detection Using an Orbital Angular Momentum Beam Via a Convolutional Neural Network. IEEE Access, 2019, 7, 184235-184241.	4.2	14
71	Research on Scanning Method in Satellite Laser Communication. , 2019, , .		1
72	Extended Path-finding RWA Algorithm Based on ACO in Optical Satellite Network. , 2019, , .		5

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73	Research on Adaptive Optimal Shaping Gain Selection MethodBased on Huffman Coding. , 2019, , .		0
74	A Novel Optimized PTS for PAPR reduction of an DMT signal. , 2019, , .		0
75	Dynamic Service Provisioning Algorithm Based on Degree of Spectrum-Time Fragmentation of AR Requests in Elastic Optical Networks. , 2019, , .		3
76	Effectiveness Evaluation Model of Laser/Microwave Satellite Communication System Based on Ambient Fuzzy Operator. , 2019, , .		0
77	Self-adaptive Bandwidth Scheduling based on Improved Random Early Detection for NG-PON. , 2019, , .		3
78	An adaptive non-uniform PSK modulation scheme for elastic optical network. , 2019, , .		1
79	An improvement on the CNN-based OAM Demodulator via Conditional Generative Adversarial Networks. , 2019, , .		1
80	Probabilistic Shaping Design Based on Reduced-Exponentiation Subset Indexing and Honeycomb-Structured Constellation Optimization for 5G Fronthaul Network. IEEE Access, 2019, 7, 141395-141403.	4.2	3
81	Numerical Simulation of Ground-to-Satellite Laser Transmission based on Unequal Spacing Phase Screen. , 2019, , .		2
82	Deep Learning-Based Massive MIMO CSI Feedback. , 2019, , .		12
83	Flexible photonic generation of frequency multiplication millimeter-wave vector signal based on dynamic pre-coding algorithm with dispersion compensation. Optics Communications, 2019, 435, 232-238.	2.1	4
84	Proposing simulation model for multi-wavelength source offering 40%Gbps WDM-PON using AWG with a single laser. Computer Applications in Engineering Education, 2019, 27, 1299-1307.	3.4	7
85	Constellation-designed 32QAM with geometric and probabilistic shaping for optical fiber system. Optical Engineering, 2019, 58, 1.	1.0	2
86	Finite hypergeometric series summation-based Fraunhofer diffraction analysis for optical vortices generated by spiral phase plates. Optical Engineering, 2019, 58, 1.	1.0	2
87	A probabilistically shaped star-CAP-16/32 modulation based on constellation design with honeycomb-like decision regions. Optics Express, 2019, 27, 2732.	3.4	41
88	100 Gbit/s VSB-PAM-n IM/DD transmission system based on 10 GHz DML with optical filtering and joint nonlinear equalization. Optics Express, 2019, 27, 6098.	3.4	32
89	Accumulation of nonlinear interference noise in probabilistically shaped 64-quadrature amplitude modulation systems. Optical Engineering, 2019, 58, 1.	1.0	0
90	Time-frequency-varying multicarrier generation using dynamic recirculating frequency shifter. Optical Engineering, 2019, 58, 1.	1.0	1

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91	Optimized design of single-pump fiber optical parametric amplifier with highly nonlinear fiber segments using a differential evolution algorithm. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	2
92	Flattened Optical Multicarrier Generation Technique for Optical Line Terminal Side in Next Generation WDM-PON Supporting High Data Rate Transmission. <i>IEEE Access</i> , 2018, 6, 6183-6193.	4.2	24
93	The Propagation Properties of a Longitudinal Orbital Angular Momentum Multiplexing System in Atmospheric Turbulence. <i>IEEE Photonics Journal</i> , 2018, 10, 1-16.	2.0	23
94	Hollow Core Fiber Based Interferometer for High-Temperature (1000 Å°C) Measurement. <i>Journal of Lightwave Technology</i> , 2018, 36, 1583-1590.	4.6	59
95	Recursive Neural Network Based RRH to BBU Resource Allocation in 5G Fronthaul Network. , 2018, , .		1
96	Optical Multi-Wavelength Source for Single Feeder Fiber Using Suppressed Carrier in High Capacity LR-WDM-PON. <i>IEEE Access</i> , 2018, 6, 70674-70684.	4.2	17
97	Applications of Intelligent Coherent Transceivers in Software-Defined Elastic Optical Networks. , 2018, , .		0
98	Simulation of Third-Order Intermodulation Distortion Suppression Incorporating Dual-Parallel Mach-Zehnder Modulator in a CR-SSB Modulation. <i>Fiber and Integrated Optics</i> , 2018, 37, 328-346.	2.5	0
99	Adaptive turbulence compensation with a hybrid input-output algorithm in orbital angular momentum-based free-space optical communication. <i>Applied Optics</i> , 2018, 57, 7644.	1.8	48
100	A simple all-fiber comb filter based on the combined effect of multimode interference and Mach-Zehnder interferometer. <i>Scientific Reports</i> , 2018, 8, 11803.	3.3	10
101	Optical frequency comb generation for DWDM transmission over 25- to 50-km standard single-mode fiber. <i>Optical Engineering</i> , 2018, 57, 1.	1.0	4
102	A robust probabilistic shaping PON based on symbol-level labeling and rhombus-shaped modulation. <i>Optics Express</i> , 2018, 26, 26576.	3.4	34
103	Precoded APPM Modulated Short Reach Optical System Based on Two-Dimensional Cyclic Iterative Coding. <i>IEEE Photonics Journal</i> , 2017, 9, 1-7.	2.0	0
104	Probabilistic shaping for ROF system with heterodyne coherent detection. <i>APL Photonics</i> , 2017, 2, .	5.7	30
105	Mitigation of nonlinear interference noise introduced by cross-phase modulation in the dual-polarization 16 QAM wavelength-division multiplexing coherent optical system. <i>Optical Engineering</i> , 2017, 56, 056109.	1.0	1
106	Generation of Flattened Multicarrier Signals from a Single Laser Source for 330-ÅGbps WDM-PON Transmission over 25-Åkm SSMF. <i>Journal of Optical Communications</i> , 2017, 39, .	4.7	2
107	An optical pulse position modulation based on double-circle iteration. , 2016, , .		0
108	Dynamic bandwidth management based on classification of traffic in software-defined WDM-TDM PON architecture. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
109	Polarization Mode Dispersion monitoring for phase-modulated optical signals utilizing parallel cross-phase modulation in a highly nonlinear fiber. , 2016, , .		1
110	Direct-modulated multiple formats optical OFDM system based on Discrete Wavelet Transform. , 2016, , .		0
111	A novel pre-coding orthogonal full diversity space-time block coding scheme for 4 \times 4 MIMO system. , 2016, , .		0
112	A Software Defined Radio Access Network based on inter-cell interference suppression. , 2016, , .		0
113	Multi-broadband radio over fiber system based on Generalized Frequency Division Multiplexing. , 2016, , .		2
114	Research of on-board optical burst switching weight-weighted round robin assembly algorithm based on the QoS guarantee. , 2016, , .		3
115	A decision feedback channel estimation approach of the satellite mobile communication system. , 2016, , .		2
116	Design and fabrication of multi-wavelength 1.3 μ m AlGaInAs/InP distributed feedback laser array for radio-over-fiber system. , 2016, , .		0
117	Cross-layer design based ant colony optimization for routing and wavelength assignment in an optical satellite network. , 2016, , .		3
118	Frontier research of ultra-high-speed ultra-large-capacity and ultra-long-haul optical transmission. Frontiers of Optoelectronics, 2016, 9, 123-137.	3.7	2
119	Pulsed laser-based optical frequency comb generator for high capacity wavelength division multiplexed passive optical network supporting 1.2 Tbps. Optical Engineering, 2016, 55, 096106.	1.0	13
120	Phase splitting timing recovery for coherent optical transmission systems. , 2016, , .		0
121	A novel multi-LDPC-NPPM modulation coding scheme for satellite ground laser communications. , 2016, , .		0
122	Robust multi-rate hierarchical coded modulation based on Star-QAM and hybrid coding correction. , 2016, , .		0
123	Adaptive HPA Back-Off algorithm for interactive mobile satellite broadcasting system. , 2016, , .		0
124	Optical frequency comb generation using two cascaded polarization modulators. Photonic Network Communications, 2016, 32, 126-132.	2.7	8
125	Generation of coherent and flat frequency locked optical multi-carriers. , 2015, , .		0
126	Optical frequency comb generation with high tone-to-noise ratio for large-capacity wavelength division multiplexed passive optical network. Optical Engineering, 2015, 54, 116102.	1.0	16

#	ARTICLE	IF	CITATIONS
127	Design of adaptive backoff algorithm for satellite network using grey system. Journal of China Universities of Posts and Telecommunications, 2015, 22, 24-56.	0.8	1
128	Joint robustness security in optical OFDM access system with Turbo-coded subcarrier rotation. Optics Express, 2015, 23, 13.	3.4	46
129	Alternative Wired and 60-GHz Wireless Full Duplex Access Based on a Polarization Orthogonal Dual-Tone Optical Millimeter-Wave Signal. Fiber and Integrated Optics, 2015, 34, 217-229.	2.5	2
130	Generation of Optical Millimeter Wave Using Two Cascaded Polarization Modulators Based on Frequency Octupling Without Filtering. Fiber and Integrated Optics, 2015, 34, 230-242.	2.5	26
131	Electrical code divided multiplexing orthogonal frequency division multiplexing-based 60-GHz radio-over-fiber system with extended wireless transmission and optical beating interference noise mitigation in upstream link. Optical Engineering, 2014, 53, 116103.	1.0	4
132	Peak-to-average power ratio mitigation and adaptive bit assignment in single-carrier frequency division multiplexing access via hierarchical modulation. Optical Engineering, 2014, 53, 116115.	1.0	4
133	Design of multi-pumped Raman fiber amplifier by differential evolution optimization. , 2014, , .		1
134	MIMO signal processing for mode division multiplexing with RLSCMA algorithm. , 2014, , .		1
135	Degree distribution mapping method of parity check matrix in LDPC based FSO communication through atmospheric turbulence channel. , 2014, , .		0
136	Multipath and optimal spectrum continuity based method for spectrum de-fragmentation in Pbit/s optical switching node of flexible bandwidth optical networks. , 2014, , .		0
137	Theory and Performance Analyses in Secure CO-OFDM Transmission System Based on Two-Dimensional Permutation. Journal of Lightwave Technology, 2013, 31, 74-80.	4.6	44
138	LDPC-coded A×M-DAPPM systems for simulation of turbulent free-space optical communication system. , 2013, , .		0
139	A novel 3D constellation-masked method for physical security in hierarchical OFDMA system. Optics Express, 2013, 21, 15627.	3.4	25
140	Performance analysis of QPSK in free-space optical communications channel with phase compensation error. , 2013, , .		1
141	Constellation-masked secure communication technique for OFDM-PON. Optics Express, 2012, 20, 25161.	3.4	36
142	Cross-layer Dynamic Bandwidth Allocation Based on Fairness and System Utility. , 2012, , .		2
143	Adaptive Doppler frequency shift estimation for OFDM systems. , 2012, , .		1
144	An AWG based colorless WDM-PON with RZ-DPSK modulated downstream and re-modulation of DL signal for OOK upstream. Frontiers of Optoelectronics, 2012, 5, 298-305.	3.7	3

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145	Generation and transmission of dispersion tolerant 10-Gbps RZ-OOK signal for radio over fiber link. <i>Frontiers of Optoelectronics</i> , 2012, 5, 306-310.	3.7	3
146	Secure OFDM-PON Based on Chaos Scrambling. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 998-1000.	2.5	74
147	Dynamic $\hat{\lambda}$ -OFDMA with selective multicast overlaid. <i>Optics Express</i> , 2011, 19, 7847.	3.4	19
148	40-Gb/s FSK modulated WDM-PON with variable-rate multicast overlay. <i>Optics Express</i> , 2011, 19, 12515.	3.4	8
149	Transmission performance of quadruple frequency optical millimeter-wave with single and dual carrier data modulations. , 2011, , .		0
150	Recognition of spectral amplitude codes by frequency swept coherent detection for flexible optical label switching. <i>Photonic Network Communications</i> , 2010, 20, 131-137.	2.7	11
151	DPSK modulated video service overlaid wavelength division multiplexed OFDM-PON. , 2010, , .		0
152	A novel ECDM-OFDM-PON architecture for next-generation optical access network. , 2010, , .		4
153	Milimeter-Wave Optical Subcarrier Generation by Using an External Modulator and Optical Carrier Suppression. , 2007, , .		4
154	Spectrum equalization employing reshaping filter to improve ask signal quality in combined FSK/ASK modulation scheme. <i>Microwave and Optical Technology Letters</i> , 2006, 48, 2208-2210.	1.4	1
155	The influence of pump wavelength on the performance of wavelength conversion of 10-Gb/s single-side-band optical signal based on four-wave mixing in dispersion-shifted fiber. <i>Microwave and Optical Technology Letters</i> , 2005, 46, 493-495.	1.4	0
156	Performance evaluation of optical carrier suppressed RZ $\hat{\epsilon}$ DPSK signal in WDM networks employing OFC. <i>Microwave and Optical Technology Letters</i> , 0, , .	1.4	0
157	Experimental demonstration of low complexity nonlinear compensation algorithm based on logistic regression. <i>Microwave and Optical Technology Letters</i> , 0, , .	1.4	0