

Junwen Zhang

List of Publications by Year in descending order

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docs citations

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2182
citing authors

#	ARTICLE	IF	CITATIONS
1	Multichannel 120-Gb/s Data Transmission Over 25-km MIMO Fiber-Wireless Link at W-Band. IEEE Photonics Technology Letters, 2013, 25, 780-783.	2.5	151
2	A 400G optical wireless integration delivery system. Optics Express, 2013, 21, 18812.	3.4	141
3	Passive Optical Networks for 5G Transport: Technology and Standards. Journal of Lightwave Technology, 2019, 37, 2830-2837.	4.6	111
4	W-Band 8QAM Vector Signal Generation by MZM-Based Photonic Frequency Octupling. IEEE Photonics Technology Letters, 2015, 27, 1257-1260.	2.5	99
5	Enhanced performance of visible light communication employing 512-QAM N-SC-FDE and DD-LMS. Optics Express, 2014, 22, 15328.	3.4	97
6	11 Å– 5 Å– 93Gb/s WDM-CAP-PON based on optical single-side band multi-level multi-band carrier-less amplitude and phase modulation with direct detection. Optics Express, 2013, 21, 18842.	3.4	92
7	QAM Vector Signal Generation by Optical Carrier Suppression and Precoding Techniques. IEEE Photonics Technology Letters, 2015, 27, 1977-1980.	2.5	89
8	Transmission Performance Comparison for 100-Gb/s PAM-4, CAP-16, and DFT-S OFDM With Direct Detection. Journal of Lightwave Technology, 2017, 35, 5127-5133.	4.6	84
9	Fiber-Wireless-Fiber Link for 100-Gb/s PDM-QPSK Signal Transmission at W-Band. IEEE Photonics Technology Letters, 2014, 26, 1825-1828.	2.5	81
10	Experimental Demonstration of Four-Channel WDM 560 Gbit/s 128QAM-DMT Using IM/DD for 2-km Optical Interconnect. Journal of Lightwave Technology, 2017, 35, 941-948.	4.6	67
11	Time-domain digital pre-equalization for band-limited signals based on receiver-side adaptive equalizers. Optics Express, 2014, 22, 20515.	3.4	63
12	Simplified coherent receiver with heterodyne detection of eight-channel 50-Gb/s PDM-QPSK WDM signal after 1040-km SMF-28 transmission. Optics Letters, 2012, 37, 4050.	3.3	62
13	Generation of Coherent and Frequency-Locked Multi-Carriers Using Cascaded Phase Modulators for 10 Tb/s Optical Transmission System. Journal of Lightwave Technology, 2012, 30, 458-465.	4.6	58
14	Multi-Modulus Blind Equalizations for Coherent Quadrature Duobinary Spectrum Shaped PM-QPSK Digital Signal Processing. Journal of Lightwave Technology, 2013, 31, 1073-1078.	4.6	55
15	Digital Mobile Fronthaul Based on Delta-Sigma Modulation for 32 LTE Carrier Aggregation and FBMC Signals. Journal of Optical Communications and Networking, 2017, 9, A233.	4.8	55
16	Generation of coherent and frequency-lock multi-carriers using cascaded phase modulators and recirculating frequency shifter for Tb/s optical communication. Optics Express, 2011, 19, 12891.	3.4	54
17	Transmission of 8 Å– 480-Gb/s super-Nyquist-filtering 9-QAM-like signal at 100 GHz-grid over 5000-km SMF-28 and twenty-five 100 GHz-grid ROADMs. Optics Express, 2013, 21, 15686.	3.4	53
18	Recent progress on high-speed optical transmission. Digital Communications and Networks, 2016, 2, 65-76.	5.0	51

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19	240-Gb/s optical transmission based on an ultrafast silicon microring modulator. <i>Photonics Research</i> , 2022, 10, 1127.	7.0	48
20	432-Gb/s PDM-16QAM signal wireless delivery at W-band using optical and antenna polarization multiplexing. , 2014, , .		47
21	EML-based IM/DD 400G (4Å–112.5-Gbit/s) PAM-4 over 80 km SSMF Based on Linear Pre-Equalization and Nonlinear LUT Pre-Distortion for Inter-DCI Applications. , 2017, , .		47
22	Fiber-€“wireless integrated mobile backhaul network based on a hybrid millimeter-wave and free-space-optics architecture with an adaptive diversity combining technique. <i>Optics Letters</i> , 2016, 41, 1909.	3.3	46
23	Networks for Future Services in a Smart City: Lessons Learned from the Connected OFCity Challenge 2017. <i>IEEE Communications Magazine</i> , 2018, 56, 138-144.	6.1	46
24	Efficient preamble design and digital signal processing in upstream burst-mode detection of 100G TDM coherent-PON. <i>Journal of Optical Communications and Networking</i> , 2021, 13, A135.	4.8	45
25	Experimental Demonstration of 48-Gb/s PDM-QPSK Radio-Over-Fiber System Over 40-GHz mm-Wave MIMO Wireless Transmission. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 2276-2279.	2.5	43
26	Full-Duplex Quasi-Gapless Carrier Aggregation Using FBMC in Centralized Radio-Over-Fiber Heterogeneous Networks. <i>Journal of Lightwave Technology</i> , 2017, 35, 989-996.	4.6	43
27	Investigation of interference in multiple-input multiple-output wireless transmission at W band for an optical wireless integration system. <i>Optics Letters</i> , 2013, 38, 742.	3.3	39
28	Nonlinear Inter-Band Subcarrier Intermodulations of Multi-RAT OFDM Wireless Services in 5G Heterogeneous Mobile Fronthaul Networks. <i>Journal of Lightwave Technology</i> , 2016, 34, 4089-4103.	4.6	39
29	Comparison of 100G PAM-8, CAP-64 and DFT-S OFDM with a bandwidth-limited direct-detection receiver. <i>Optics Express</i> , 2017, 25, 32254.	3.4	39
30	Bidirectional Fiber-Wireless Access Technology for 5G Mobile Spectral Aggregation and Cell Densification. <i>Journal of Optical Communications and Networking</i> , 2016, 8, B104.	4.8	38
31	Stable Optical Frequency-Locked Multicarriers Generation by Double Recirculating Frequency Shifter Loops for Tb/s Communication. <i>Journal of Lightwave Technology</i> , 2012, 30, 3938-3945.	4.6	37
32	Coherent Passive Optical Networks for 100G/Î»-and-Beyond Fiber Access: Recent Progress and Outlook. <i>IEEE Network</i> , 2022, 36, 116-123.	6.9	37
33	Analysis of Noise Spread in Optical DFT-S OFDM Systems. <i>Journal of Lightwave Technology</i> , 2012, 30, 3219-3225.	4.6	36
34	High Speed All Optical Nyquist Signal Generation and Full-band Coherent Detection. <i>Scientific Reports</i> , 2014, 4, 6156.	3.3	36
35	Doubling transmission capacity in optical wireless system by antenna horizontal- and vertical-polarization multiplexing. <i>Optics Letters</i> , 2013, 38, 2125.	3.3	35
36	400 G Transmission of Super-Nyquist-Filtered Signal Based on Single-Carrier 110-GBaud PDM QPSK With 100-GHz Grid. <i>Journal of Lightwave Technology</i> , 2014, 32, 3239-3246.	4.6	35

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37	Si-substrate LEDs with multiple superlattice interlayers for beyond 24â€‰%â€‰Gbps visible light communication. <i>Photonics Research</i> , 2021, 9, 1581.	7.0	35
38	Heat transport in $RbFe_2As_2$ crystals: Evidence for nodal superconducting gap. <i>Physical Review B</i> , 2015, 91, .	3.2	14
39	Multi-channel multi-carrier generation using multi-wavelength frequency shifting recirculating loop. <i>Optics Express</i> , 2012, 20, 21833.	3.4	33
40	Intense enhancement of yellow luminescent carbon dots coupled with gold nanoparticles toward white LED. <i>Dyes and Pigments</i> , 2017, 140, 122-130.	3.7	32
41	A Novel Return-to-Zero FSK Format for 40-Gb/s Transmission System Applications. <i>Journal of Lightwave Technology</i> , 2010, 28, 1770-1782.	4.6	31
42	Transmission of single-carrier 400G signals (5152-Gb/s) based on 1288-GBaud PDM QPSK over 10,130- and 6,078 km terrestrial fiber links. <i>Optics Express</i> , 2015, 23, 16540.	3.4	30
43	Non-Orthogonal Multiple Access With Successive Interference Cancellation in Millimeter-Wave Radio-Over-Fiber Systems. <i>Journal of Lightwave Technology</i> , 2016, 34, 4179-4186.	4.6	30
44	Generation and transmission of 512-Gb/s quad-carrier digital super-Nyquist spectral shaped signal. <i>Optics Express</i> , 2013, 21, 31212.	3.4	29
45	Experimental demonstration of 24-Gb/s CAP-64QAM radio-over-fiber system over 40-GHz mm-wave fiber-wireless transmission. <i>Optics Express</i> , 2013, 21, 26888.	3.4	28
46	Optical independent-sideband modulation for bandwidth-economic coherent transmission. <i>Optics Express</i> , 2014, 22, 9465.	3.4	28
47	Demonstration of 520 Gb/s $\sqrt{2}$ pre-equalized DFT-spread PDM-16QAM-OFDM signal transmission. <i>Optics Express</i> , 2016, 24, 2648.	3.4	27
48	200-Gbps DFT-S OFDM Using DD-MZM-Based Twin-SSB With a MIMO-Volterra Equalizer. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1183-1186.	2.5	27
49	Orthogonal Multiband CAP Modulation Based on Offset-QAM and Advanced Filter Design in Spectral Efficient MMW RoF Systems. <i>Journal of Lightwave Technology</i> , 2017, 35, 997-1005.	4.6	27
50	Memory-Polynomial Digital Pre-distortion for Linearity Improvement of Directly-Modulated Multi-IF-over-Fiber LTE Mobile Fronthaul. , 2016, , .		26
51	Symmetrical 50-Gb/s $\sqrt{2}$ PAM-4 TDM-PON in O-band with DSP and Semiconductor Optical Amplifier Supporting PR-30 Link Loss Budget. , 2018, , .		26
52	Seamless integration of 572-Gb/s signal wireline transmission and 100-GHz wireless delivery. <i>Optics Express</i> , 2012, 20, 24364.	3.4	25
53	Digital Nonlinear Compensation Based on the Modified Logarithmic Step Size. <i>Journal of Lightwave Technology</i> , 2013, 31, 3546-3555.	4.6	25
54	Generation of Coherent and Frequency-Lock Optical Subcarriers by Cascading Phase Modulators Driven by Sinusoidal Sources. <i>Journal of Lightwave Technology</i> , 2012, 30, 3911-3917.	4.6	24

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55	FBMC in Next-Generation Mobile Fronthaul Networks With Centralized Pre-Equalization. IEEE Photonics Technology Letters, 2016, 28, 1912-1915.	2.5	24
56	Spectrally efficient localized carrier distribution scheme for multiple-user DFT-S OFDM RoF- PON wireless access systems. Optics Express, 2012, 20, 29665.	3.4	23
57	Reduction of Intercarrier Interference Based on Window Shaping in OFDM RoF Systems. IEEE Photonics Technology Letters, 2013, 25, 851-854.	2.5	23
58	Flattened comb generation using only phase modulators driven by fundamental frequency sinusoidal sources with small frequency offset. Optics Letters, 2013, 38, 552.	3.3	23
59	Single-Wavelength 100-Gb/s PAM-4 TDM-PON Achieving Over 32-dB Power Budget Using Simplified and Phase Insensitive Coherent Detection. , 2018, , .		23
60	Improved Quadrature Duobinary System Performance Using Multi-Modulus Equalization. IEEE Photonics Technology Letters, 2013, 25, 1630-1633.	2.5	22
61	A Novel Adaptive Digital Pre-equalization Scheme for Bandwidth limited Optical Coherent system with DAC for Signal Generation. , 2014, , .		22
62	Ultrahigh-capacity access network architecture for mobile data backhaul using integrated W-band wireless and free-space optical links with OAM multiplexing. Optics Letters, 2014, 39, 4168.	3.3	22
63	Self-Assembled Synthesis of Mesocrystalline TiO ₂ @C-rGO Hybrid Nanostructures for Highly Reversible Sodium Storage. Crystal Growth and Design, 2016, 16, 6605-6612.	3.0	22
64	Sub-Band Pre-Distortion for PAPR Reduction in Spectral Efficient 5G Mobile Fronthaul. IEEE Photonics Technology Letters, 2017, 29, 122-125.	2.5	22
65	Improved Performance of high-order QAM OFDM Based on Probabilistically Shaping in the Datacom. , 2018, , .		22
66	Generation of full C-band coherent and frequency-lock multi-carriers by using recirculating frequency shifter loops based on phase modulator with external injection. Optics Express, 2011, 19, 26370.	3.4	21
67	Very-High-Throughput Coherent Ultradense WDM-PON Based on Nyquist-ISB Modulation. IEEE Photonics Technology Letters, 2015, 27, 763-766.	2.5	21
68	High-speed visible light communication systems based on Si-substrate LEDs with multiple superlattice interlayers. Photonix, 2021, 2, .	13.5	21
69	Rate-Flexible Single-Wavelength TFDM 100G Coherent PON based on Digital Subcarrier Multiplexing Technology. , 2020, , .		21
70	Optical-wireless-optical full link for polarization multiplexing quadrature amplitude/phase modulation signal transmission. Optics Letters, 2013, 38, 4712.	3.3	20
71	A Novel PON Architecture Based on OAM Multiplexing for Efficient Bandwidth Utilization. IEEE Photonics Journal, 2015, 7, 1-6.	2.0	19
72	Performance Comparison of Dual-Carrier 400G With 8/16/32-QAM Modulation Formats. IEEE Photonics Technology Letters, 2015, 27, 1414-1417.	2.5	19

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91	8Å—506-Gb/s 16QAM WDM Signal Coherent Transmission over 6000-km Enabled by PS and HB-CDM. , 2018, , .		14
92	Probabilistically Shaped 1024-QAM OFDM Transmission in an IM-DD System. , 2018, , .		14
93	Multichannel optical frequency-locked multicarrier source generation based on multichannel recirculation frequency shifter loop. Optics Letters, 2012, 37, 4714.	3.3	13
94	Experimental Demonstration of Unequally Spaced PAM-4 Signal to Improve Receiver Sensitivity for 50-Gbps PON with Power-Dependent Noise Distribution. , 2018, , .		13
95	Transmission of 100-Gb/s VSB DFT-Spread DMT Signal in Short-Reach Optical Communication Systems. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	12
96	High speed LED based visible light communication for 5G wireless backhaul. , 2016, , .		12
97	High Symbol Rate Signal Generation and Detection With Linear and Nonlinear Signal Processing. Journal of Lightwave Technology, 2018, 36, 408-415.	4.6	12
98	Delta-Sigma Modulation for Digital Mobile Fronthaul Enabling Carrier Aggregation of 32 4G-LTE / 30 5G-FBMC Signals in a Single-l» 10-Gb/s IM-DD Channel. , 2016, , .		12
99	Nonlinear compensation and crosstalk suppression for 4 Å— 1608Gb/s WDM PDM-QPSK signal with heterodyne detection. Optics Express, 2013, 21, 9230.	3.4	11
100	Full-duplex Asynchronous Quasi-Gapless Carrier-Aggregation using Filter-bank Multi-carrier in MMW Radio-over-Fiber Heterogeneous Mobile Access Networks. , 2016, , .		11
101	Real-Time FPGA Demonstration of PAM-4 Burst-Mode All-Digital Clock and Data Recovery for Single wavelength 50G PON Application. , 2018, , .		11
102	Carrier aggregation for MMW inter-RAT and intra-RAT in next generation heterogeneous mobile data network based on optical domain band mapping. , 2015, , .		10
103	Generation and Transmission of High Symbol Rate Single Carrier Electronically Time-Division Multiplexing Signals. IEEE Photonics Journal, 2016, 8, 1-6.	2.0	10
104	1.6Tb/s (4x400G) Unrepeated Transmission over 205-km SSMF Using 65-GBaud PDM-16QAM with Joint LUT Pre-Distortion and Post DBP Nonlinearity Compensation. , 2017, , .		10
105	Proactive real-time interference avoidance in a 5G millimeter-wave over fiber mobile fronthaul using SARSA reinforcement learning. Optics Letters, 2019, 44, 4347.	3.3	10
106	Single-Carrier 400G Based on 84-GBaud PDM-8QAM Transmission over 2,125 km SSMF Enhanced by Pre-Equalization, LUT and DBP. , 2017, , .		10
107	Performance Assessments of Joint Linear and Nonlinear Pre-Equalization Schemes in Next Generation IM/DD PON. Journal of Lightwave Technology, 2022, 40, 5478-5489.	4.6	10
108	Theoretical and Experimental Study on Improved Frequency-Locked Multicarrier Generation by Using Recirculating Loop Based on Multifrequency Shifting Single-Sideband Modulation. IEEE Photonics Journal, 2012, 4, 2249-2261.	2.0	9

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109	Frequency comb selection enabled flexible all optical Nyquist pulse generation. Optics Communications, 2015, 349, 60-64.	2.1	9
110	Antenna Polarization Diversity for 146Gb/s Polarization Multiplexing QPSK Wireless Signal Delivery at W-band. , 2014, , .		9
111	A Novel Memoryless Power Series based Adaptive Nonlinear Pre-Distortion Scheme in High Speed Visible Light Communication. , 2017, , .		9
112	200-Gb/s Coherent TDM-PON with Wide Dynamic Range of >30-dB based on Local Oscillator Power Adjustment. , 2022, , .		9
113	Blind equalization for dual-polarization two-subcarrier coherent QPSK-OFDM signals. Optics Letters, 2014, 39, 201.	3.3	8
114	Performance Analysis of Pre- and Post-Compensation for Bandwidth-Constrained Signal in High-Spectral-Efficiency Optical Coherent Systems. , 2014, , .		8
115	Highly Efficient Full-Duplex Coherent Optical System Enabled by Combined Use of Optical Injection Locking and Frequency Comb. Journal of Lightwave Technology, 2021, 39, 1271-1277.	4.6	8
116	High-speed visible laser light communication: devices, systems and applications. , 2021, , .		8
117	WDM Transmission of Twelve 960 Gb/s Channels based on 120-GBaud ETDM PDM-16QAM over 1200-km TeraWave Fiber Link. , 2016, , .		8
118	Multi-Stage Machine Learning Enhanced DSP for DP-64QAM Coherent Optical Transmission Systems. , 2019, , .		8
119	改进的 WDM-PON 多信道多载波生成方法. Chinese Optics Letters, 2019, 16, 894. 7		7
120	Improved multi-channel multi-carrier generation using gain-independent multi-channel frequency shifting recirculating loop. Optics Express, 2012, 20, 29599.	3.4	7
121	Companding transform for PAPR reduction in coherent optical OFDM system. , 2012, , .		7
122	64-Gb/s Downstream Transmission for PAM-4 TDM-PON with Centralized DSP and 10G Low-Complexity Receiver in C-Band. , 2017, , .		7
123	Advanced linear and nonlinear compensations for 16QAM SC-400G unrepeatered transmission system. Optics Communications, 2018, 409, 34-38.	2.1	7
124	A Transform Domain Processing based Channel Estimation Method for OFDM Radio-over-Fiber Systems. , 2013, , .		7
125	Performance Improvement by Pre-equalization in W-band (75-110GHz) RoF System. , 2013, , .		7
126	Single-Carrier 400G PM-256QAM Generation at 34 GBaud Trading off Bandwidth Constraints and Coding Overheads. , 2017, , .		7

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127	Low-Complexity Multi-Symbol Multi-Modulus Weighted Lookup Table Predistortion in UWOC System. Journal of Lightwave Technology, 2022, 40, 4224-4236.	4.6	7
128	A modulation scheme for 100Gb/s modified minimum-shift keying format based on imbalanced bias in IQ components. Optical Fiber Technology, 2011, 17, 601-607.	2.7	6
129	Transmission of 480-Gb/s Dual-carrier PM-8QAM over 2550km SMF-28 Using Adaptive Pre-equalization. , 2014, , .		6
130	Inter-Band Interference Cancellation Based on Complex ICA for 100Gbit/s Non-Orthogonal m-CAP NGFI-II Fronthaul Data Transmission. Journal of Lightwave Technology, 2021, 39, 4939-4950.	4.6	6
131	First Demonstration of PS-QAM based Flexible Coherent PON in Burst-Mode with 300G Peak-Rate and Record Dynamic-Range and Net-Rate Product up to 7,104 dBÅ·Gbps. , 2022, , .		6
132	DRZ, DQPSK, and PoISK orthogonal modulations for 100Gbit/s transmission system applications. , 2010, , .		5
133	Flattened optical frequency-locked multi-carrier generation by cascading one DML and one phase modulator driven by different RF frequency clocks. Laser Physics Letters, 2013, 10, 115001.	1.4	5
134	60-Gb/s CAP-64QAM Transmission Using DML with Direct Detection and Digital Equalization. , 2014, , .		5
135	LDPC-Coded Generalized Frequency Division Multiplexing for Intensity-Modulated Direct-Detection Optical Systems. IEEE Photonics Journal, 2019, 11, 1-15.	2.0	5
136	A Novel Scheme for Seamless Integration of ROF System with OFDM-CPM WDM Passive Optical Network. , 2011, , .		5
137	Generation of coherent optical multi-carriers using concatenated, dual-drive Mach-Zehnder and phase modulators. Chinese Optics Letters, 2012, 10, 070605-70609.	2.9	5
138	112 Gb/s CAP Signals Transmission over 480 km in IM-DD System. , 2018, , .		5
139	Neural Network Detection for Bandwidth-Limited Non-Orthogonal Multiband CAP UVLC System. IEEE Photonics Journal, 2022, 14, 1-9.	2.0	5
140	A 30 Gb/s full-duplex bi-directional transmission optical wireless-over fiber integration system at W-band. , 2014, , .		4
141	WDM Transmission of Single-Carrier 400G Based on Orthogonal OTDM 80-GBd PDM-8QAM. IEEE Photonics Journal, 2015, 7, 1-6.	2.0	4
142	Maximization of Visible Light Communication Capacity Employing Quasi-Linear Preequalization with Peak Power Limitation. Mathematical Problems in Engineering, 2016, 2016, 1-8.	1.1	4
143	High-Capacity Tier-II Fronthaul Network with SSB-DD Multiband OQAM/QAM-CAP. , 2017, , .		4
144	Effects of Anisotropy for P-Wave Velocity on Locating Accuracy of Acoustic Emission Sources in Sandstone. IEEE Access, 2017, 5, 18132-18142.	4.2	4

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145	Decision Feedback Kurtosis Minimum Crosstalk Mitigation in Super-Nyquist Multiband CAP Systems. Journal of Lightwave Technology, 2021, 39, 6774-6785.	4.6	4
146	Subcarrier Index Modulation Super-Nyquist Carrierless Amplitude Phase Modulation for Visible Light Communication Systems. Journal of Lightwave Technology, 2021, 39, 6420-6433.	4.6	4
147	WDM Transmission of 16-Channel Single-Carrier 128-GBaud PDM-16QAM signals with 6.06 b/s/Hz SE. , 2017, , .		4
148	Real-time Investigation of Transmission Latency of Standard 4K and Virtual-Reality Videos over a Commercial PON Testbed. , 2018, , .		4
149	Analysis of smooth phase modulation formats compared with conventional QPSK and BPSK using coherent detection. Chinese Optics Letters, 2010, 8, 856-858.	2.9	3
150	A novel transform domain processing based channel estimation method for OFDM radio-over-fiber systems. Optics Express, 2013, 21, 7478.	3.4	3
151	Modelling, analysis and design of droop-controlled parallel three phase voltage source inverter using dynamic phasors method. , 2014, , .		3
152	Real-time direct-detection of quad-carrier 200Gbps 16QAM-DMT with directly modulated laser. , 2015, , .		3
153	Digital Dispersion Pre-Compensation and Nonlinearity Impairments Pre- and Post-Processing for C-Band 400G PAM-4 Transmission over SSMF Based on Direct-Detection. , 2017, , .		3
154	400G-over-80km Connections Powered by Probabilistically Shaped PM-256QAM Wavelengths at 34 GBaud. , 2017, , .		3
155	Spectral Scrambling for High-security PAM-8 Underwater Visible Light Communication System. , 2018, , .		3
156	Enhanced Performance Utilizing Truncated Probabilistically Shaped 16384-QAM OFDM in 10-G IMDD System. , 2018, , .		3
157	Demonstration of Flexible Access in Rate-Adaptive Visible Light Communication System with Constellation Probabilistic Shaping. Optics Express, 2021, 29, 34441-34451.	3.4	3
158	The best modulation format for 100G short-reach and metro networks: DMT, PAM-4, CAP, or duobinary?. , 2018, , .		3
159	Staggered Differential Phase-Shift Keying Format with RZ or CSRZ Clock for 100Gbit/s Transmission. , 2009, , .		3
160	Millimeter-Wave Cell Grouping for Optimized Coverage based on Radio-over-Fiber and Centralized Processing. , 2016, , .		3
161	Optimizations of Probabilistic Constellation Shaping Superposition Schemes for the MISO Visible Light Communication System. , 2021, , .		3
162	Efficient Echo-Cancellation Algorithms for Full Duplex Coherent Optical Systems. , 2020, , .		3

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163	High-Performance Preamble Design and Upstream Burst-Mode Detection in 100 -Gb/s/ŕ» TDM Coherent-PON. , 2020, , .		3
164	<title>A novel OFDM-PON architecture using single-side-band OFDM for down stream and sub-carrier multiplexed ASK for up stream</title>. , 2009, , .		2
165	Staggered differential phase-shift keying format with RZ or CSRZ clock for 100Gbit/s transmission. Proceedings of SPIE, 2009, , .	0.8	2
166	Theoretical and simulation analysis of a novel multiple-input multiple-output scheme over multimode fiber links with dual restricted launch techniques. Optical Engineering, 2012, 51, 065002.	1.0	2
167	Transmission and reception of Quad-Carrier QPSK-OFDM signal with blind equalization and overhead-free operation. Optics Express, 2013, 21, 30999.	3.4	2
168	A bandwidth-efficient coherent ultra-dense WDM-PON based on Nyquist independent-sideband modulation. , 2014, , .		2
169	Improved Robustness to Synchronization Errors with a Novel Windowing Technique for 40GHz 64-QAM OFDM-RoF System. , 2014, , .		2
170	Enabling technologies for millimeter-wave radio-over-fiber systems in next generation heterogeneous mobile access networks. , 2017, , .		2
171	Generation of 153.6Gbaud (614.4Gbps) PDM-QPSK Signals and Transmission of over 1200km SmF-28 with EDFA-only Amplification. , 2017, , .		2
172	Frequency tuning behaviour of terahertz quantum cascade lasers revealed by a laser beating scheme. Optics Express, 2021, 29, 21269.	3.4	2
173	Study of IQ Imbalance Effect in Direct-Detection Optical OFDM Systems. , 2009, , .		2
174	Generation of Flat and Stable Multi-carriers based on Only Integrated IQ Modulator and its Implementation for 112Gb/s PM-QPSK Transmitter. , 2012, , .		2
175	Multi modulus Blind Equalizations for Coherent Spectrum Shaped PolMux Quadrature Duobinary Signal Processing. , 2013, , .		2
176	Demonstration of 24-Gb/s Carrier-less Amplitude and Phase Modulation (CAP) 64QAM Radio-over-Fiber System over 40-GHz Mm-wave Fiber-Wireless Transmission. , 2014, , .		2
177	Full-duplex bidirectional transmission of 10-Gb/s millimeter-wave QPSK signal in E-band optical wireless link. , 2014, , .		2
178	34.6 Tb/s (173Å– 256Gb/s) Single-band Transmission over 2400km Fiber using Complementary Raman/EDFA. , 2016, , .		2
179	Advanced Algorithm for High-baud Rate Signal Generation and Detection. , 2017, , .		2
180	56Gb/s Chirp-managed Symbol Transmission with Low-cost, 10-G Class LD for 400G Intra-data Center Interconnection. , 2017, , .		2

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181	Study of IQ imbalance effect in direct-detection optical OFDM systems. , 2009, , .		2
182	Multiband OQAM CAP Modulation in MMW RoF Systems with Enhanced Spectral and Computational Efficiency. , 2016, , .		2
183	Passive optical networks for 5G evolution. , 2018, , .		2
184	Coherent Optics Use Cases in Access Networks. , 2019, , 55-63.		2
185	Intelligent Bandwidth Allocation for Latency Management in NG-EPON using Reinforcement Learning Method. , 2020, , .		2
186	Full-Duplex Coherent Optical System Enabled by Comb-Based Injection Locking Optical Process. , 2020, , .		2
187	Adaptive Diversity Combining Technology with Deep Neural Network for High-Speed and Reliable Underwater Visible Light Communication System. , 2021, , .		2
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