

Jianjun Yu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208
papers

4,319
citations

33
h-index

55
g-index

237
ext. papers

5,418
ext. citations

2.8
avg. IF

5.95
L-index

#	Paper	IF	Citations
208	W-band simultaneous vector signal generation and radar detection based on photonic frequency quadrupling.. <i>Optics Letters</i> , 2022 , 47, 537-540	3	0
207	Low Complexity Neural Network Equalization Based on Multi-Symbol Output Technique For 200+ Gbps IM/DD Short Reach Optical System. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	3
206	81-GHz W-band 60-Gbps 64-QAM wireless transmission based on a dual-GRU equalizer.. <i>Optics Express</i> , 2022 , 30, 2364-2377	3.3	0
205	Real-time demonstration of 103.125-Gbps fiber-THz-fiber 2 × MIMO transparent transmission at 360-430 GHz based on photonics.. <i>Optics Letters</i> , 2022 , 47, 1214-1217	3	5
204	Integrated High-Resolution Radar and Long-Distance Communication Based-on Photonic in Terahertz Band. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	1
203	800-Gb/s/carrier WDM Coherent Transmission over 2000 km Based on Truncated PS-64QAM Utilizing MIMO Volterra Equalizer. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	4
202	Complex-valued 2D-CNN Equalization for OFDM Signals in a Photonics-aided MMW Communication System at the D-band. <i>Journal of Lightwave Technology</i> , 2022 , 1-1	4	1
201	124.8-Gbit/s PS-256QAM Signal Wireless Delivery over 104 m in a Photonics-aided Terahertz-Wave System. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2022 , 1-1	3.4	4
200	Joint communication and radar sensing functions system based on photonics at the W-band.. <i>Optics Express</i> , 2022 , 30, 13404-13415	3.3	0
199	High-Speed Terahertz Band Radio-Over-Fiber System Using Hybrid Time-Frequency Domain Equalization. <i>IEEE Photonics Technology Letters</i> , 2022 , 34, 559-562	2.2	5
198	Photonics-assisted joint high-speed communication and high-resolution radar detection system.. <i>Optics Letters</i> , 2021 , 46, 6103-6106	3	1
197	Scheme for optimizing a direct current component in a photonics-assisted OFDM MMW system.. <i>Optics Letters</i> , 2021 , 46, 6011-6014	3	3
196	Mitigation of SOA-induced Nonlinearity with the aid of Deep Learning Neural Networks. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	1
195	The Best Modulation Format for Symmetrical Single-wavelength 50-Gb/s PON at O-band: PAM, CAP or DMT? 2021 ,		1
194	Transmission of High-Frequency Terahertz Band Signal beyond 300 GHz over Metallic Hollow Core Fiber. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	1
193	A Chaotic Encryption Scheme in DMT for IM/DD Intra-Datacenter Interconnects. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 383-386	2.2	4
192	200 Gbit/s Photonics-Aided MMW PS-OFDM Signals Transmission at W-Band Enabled by Hybrid Time-Frequency Domain Equalization. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3137-3144	4	3

191	Demonstration of 200 Gbit/s Single Dual Band DMT Transmission With a SE of 6.29 bit/s/Hz. <i>Journal of Lightwave Technology</i> , 2021 , 39, 2754-2761	4	
190	640-Gbps/Carrier WDM Transmission over 6,400 km Based on PS-16QAM at 106 Gbaud Employing Advanced DSP. <i>Journal of Lightwave Technology</i> , 2021 , 39, 55-63	4	5
189	Application of Probabilistic Shaping Technology in Terahertz Communication 2021 , 155-173		
188	Basic Algorithms and Experimental Verification of Multi-carrier Terahertz Communication 2021 , 67-98		
187	Comparison of Real- and Complex-Valued NN Equalizers for Photonics-Aided 90-Gbps D-band PAM-4 Coherent Detection. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	5
186	High Spectral Efficiency WDM Transmission Based on Hybrid Probabilistically and Geometrically Shaped 256QAM. <i>Journal of Lightwave Technology</i> , 2021 , 39, 5494-5501	4	3
185	QAM vector mm-wave signal generation based on optical orthogonal polarization SSB scheme by a single modulator. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	
184	Frequency-Stable Photogenerated Vector Terahertz Signal Generation 2021 , 131-154		
183	Bi-Directional OFDM Truncated PS-4096QAM Signals Transmission in a Full-Duplex MMW-RoF System at E-Band. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	3
182	Demonstration of 4 × 100 Gbit/s PAM-4 Transmission Over 40 km in an IM/DD System Based on Narrow Band DMLs. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-8	1.8	1
181	D-band vector signal generation based on OCS and SSB without an optical filter. <i>Optics Communications</i> , 2020 , 464, 125520	2	2
180	Comparison of Geometrically Shaped 32-QAM and Probabilistically Shaped 32-QAM in a Bandwidth-Limited IM-DD System. <i>Journal of Lightwave Technology</i> , 2020 , 38, 4352-4358	4	8
179	D-band Millimeter Wave Generation and Transmission Though Radio-Over-Fiber System. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-8	1.8	8
178	135-GHz D-Band 60-Gbps PAM-8 Wireless Transmission Employing a Joint DNN Equalizer With BP and CMMA. <i>Journal of Lightwave Technology</i> , 2020 , 38, 3592-3601	4	10
177	Mitigation of Pattern-Dependent Effect in SOA at O-Band by Using DSP. <i>Journal of Lightwave Technology</i> , 2020 , 38, 590-597	4	12
176	High-Speed PS-PAM8 Transmission in a Four-Lane IM/DD System Using SOA at O-Band for 800G DCI. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 293-296	2.2	5
175	D-band signal generation without optical filter based on Carrier Suppressed Frequency Eightfold. <i>Optics Communications</i> , 2020 , 465, 125540	2	1
174	SSB Single Carrier and Multicarrier in C-Band FSO Transmission With KK Receiver. <i>Journal of Lightwave Technology</i> , 2020 , 38, 5000-5007	4	3

173 Carrierless Amplitude and Phase Modulation **2020**, 253-279

172 Demonstration of SOA-based IM/DD 1T (280Gbit/s²) PS-PAM8 Transmission over 40km SSMF at O-band **2020**, 1

171 Probabilistic Shaping **2020**, 201-221

170 Kramers-Kronig Receiver in Direct Detection Systems **2020**, 523-542

169 280 Gb/s IM/DD PS-PAM-8 Transmission Over 10 km SSMF at O-band For Optical Interconnects **2020**, 5

168 Carrier phase recovery friendly probabilistic shaping scheme based on a quasi-Maxwell-Boltzmann distribution model. *Optics Letters*, **2020**, 45, 4883-4886 3 3

167 Broadband radio-over-fiber technologies for next-generation wireless systems **2020**, 979-1038 0

166 Simultaneous Generation of Wired and Wireless Signals Using a DP-MZM in a RoF System. *IEEE Photonics Technology Letters*, **2020**, 32, 905-908 2.2 2

165 Physical Layer Encryption in DMT Based on Digital Multi-Scroll Chaotic System. *IEEE Photonics Technology Letters*, **2020**, 1-1 2.2 11

164 200-Gbit/s PAM4 Generation by a Dual-Polarization Mach-Zehnder Modulator Without DAC. *IEEE Photonics Technology Letters*, **2020**, 32, 1223-1226 2.2 2

163 SOA Pre-Amplified 100 Gb/s DPAM-4 TDM-PON Downstream Transmission Using 10 Gbps O-Band Transmitters. *Journal of Lightwave Technology*, **2020**, 38, 185-193 4 15

162 Photonics-Aided Millimeter-Wave Technologies for Extreme Mobile Broadband Communications in 5G. *Journal of Lightwave Technology*, **2020**, 38, 366-378 4 18

161 Four-Channel WDM 640 Gb/s 256 QAM Transmission Utilizing Kramers-Kronig Receiver. *Journal of Lightwave Technology*, **2019**, 37, 5466-5473 4 8

160 Photonics-Assisted Technologies for Extreme Broadband 5G Wireless Communications. *Journal of Lightwave Technology*, **2019**, 37, 2851-2865 4 39

159 120 Gb/s Wireless Terahertz-Wave Signal Delivery by 375 GHz-500 GHz Multi-Carrier in a 2-D MIMO System. *Journal of Lightwave Technology*, **2019**, 37, 606-611 4 32

158 140-Gb/s PS-256-QAM Transmission in an OFDM System Using Kramers-Kronig Detection. *IEEE Photonics Technology Letters*, **2019**, 31, 1405-1408 2.2 12

157 High Spectral Efficiency 400 Gb/s Transmission by Different Modulation Formats and Advanced DSP. *Journal of Lightwave Technology*, **2019**, 37, 5317-5325 4 12

156 A New Scheme to Generate Multi-Frequency Mm-Wave Signals Based on Cascaded Phase Modulator and I/Q Modulator. *IEEE Photonics Journal*, **2019**, 11, 1-8 1.8 3

155	100 Gbit/s VSB-PAM-n IM/DD transmission system based on 10 GHz DML with optical filtering and joint nonlinear equalization. <i>Optics Express</i> , 2019 , 27, 6098-6105	3.3	23
154	400G/channel 50-GHz WDM Coherent Transmission: PS 64QAM versus Hybrid 32/64QAM 2019 ,		5
153	Demonstration of 260-Gb/s Single-Lane EML-Based PS-PAM-8 IM/DD for Datacenter Interconnects 2019 ,		18
152	160 Gb/s 256QAM Transmission in a 25 GHz Grid Using Kramers-Kronig Detection 2019 ,		4
151	Spectrally efficient single carrier 400G optical signal transmission. <i>Frontiers of Optoelectronics</i> , 2019 , 12, 15-23	2.8	3
150	Polar Coded OFDM Signal Transmission at the W-Band in Millimeter-Wave System. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-6	1.8	1
149	Approaching Terabits Per Carrier Metro-Regional Transmission Using Beyond-100GBd Coherent Optics With Probabilistically Shaped DP-64QAM Modulation. <i>Journal of Lightwave Technology</i> , 2019 , 37, 1751-1755	4	11
148	1-Tb/s Millimeter-Wave Signal Wireless Delivery at D-Band. <i>Journal of Lightwave Technology</i> , 2019 , 37, 196-204	4	35
147	Single-Carrier Dual-Polarization 328-Gb/s Wireless Transmission in a D-Band Millimeter Wave 2 D MU-MIMO Radio-Over-Fiber System. <i>Journal of Lightwave Technology</i> , 2018 , 36, 587-593	4	29
146	Delivery of 54-Gb/s 8QAM W-Band Signal and 32-Gb/s 16QAM K-Band Signal Over 20-km SMF-28 and 2500-m Wireless Distance. <i>Journal of Lightwave Technology</i> , 2018 , 36, 50-56	4	15
145	High Symbol Rate Signal Generation and Detection With Linear and Nonlinear Signal Processing. <i>Journal of Lightwave Technology</i> , 2018 , 36, 408-415	4	7
144	Fiber-THz-Fiber Link for THz Signal Transmission. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-6	1.8	11
143	Enhanced Performance Utilizing Joint Processing Algorithm for CAP Signals. <i>Journal of Lightwave Technology</i> , 2018 , 36, 3169-3175	4	11
142	The best modulation format for 100G short-reach and metro networks: DMT, PAM-4, CAP, or duobinary? 2018 ,		3
141	Symmetrical 50-Gb/s/PAM-4 TDM-PON in O-band with DSP and Semiconductor Optical Amplifier Supporting PR-30 Link Loss Budget 2018 ,		20
140	Probabilistically Shaped 16QAM Signal Transmission in a Photonics-aided Wireless Terahertz-Wave System 2018 ,		22
139	1-Tb/s Photonics-aided Vector Millimeter-Wave Signal Wireless Delivery at D-Band 2018 ,		13
138	Improved Performance of high-order QAM OFDM Based on Probabilistically Shaping in the Datacom 2018 ,		17

137	112 Gb/s/TCAP Signals Transmission over 480 km in IM-DD System 2018 ,		5
136	Seamless Integration of a Fiber-THz Wireless-Fiber 2X2 MIMO Broadband Network 2018 ,		4
135	Tutorial: Broadband fiber-wireless integration for 5G+ communication. <i>APL Photonics</i> , 2018 , 3, 111101	5.2	33
134	Probabilistically Shaped DP-64QAM Coherent Optics at 105 GBd Achieving 900 Gbps Net Bit Rate per Carrier over 800 km Transmission 2018 ,		11
133	3.5 Gbit/s OOK THz signal delivery over 88 cm free-space at 441.504 GHz. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1435-1439	1.2	5
132	A nonlinear ANN equalizer with mini-batch gradient descent in 40Gbaud PAM-8 IM/DD system. <i>Optical Fiber Technology</i> , 2018 , 46, 113-117	2.4	8
131	Twin-SSB-OFDM Transmission Over Heterodyne W-Band Fiber-Wireless System With Real-Time Implementable Blind Carrier Recovery. <i>Journal of Lightwave Technology</i> , 2018 , 36, 5562-5572	4	13
130	A Joint Algorithm for Photonics-Aided Microwave-Communication System at K-Band. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1807-1810	2.2	3
129	PAM-8 IM/DD Transmission Based on Modified Lookup Table Nonlinear Predistortion. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-9	1.8	12
128	Optical-wireless integration of W-band wireless and free-space optical links. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 561-563	1.2	2
127	Experimental Demonstration of Four-Channel WDM 560 Gbit/s 128QAM-DMT Using IM/DD for 2-km Optical Interconnect. <i>Journal of Lightwave Technology</i> , 2017 , 35, 941-948	4	52
126	Phase Factor Optimization for QPSK Signals Generated from MZM Based on Optical Carrier Suppression. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-6	1.8	7
125	Real-Time Q-Band OFDM-RoF Systems With Optical Heterodyning and Envelope Detection for Downlink Transmission. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-7	1.8	11
124	Antenna misalignment effects in 100 Gbit/s D-band wireless transmissions. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 1431-1434	1.2	2
123	Photonics-Aided 32-Gb/s Wireless Signal Transmission Over 1 km at K-Band. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1120-1123	2.2	9
122	W-Band Vector Millimeter-Wave Signal Generation Based on Phase Modulator With Photonic Frequency Quadrupling and Precoding. <i>Journal of Lightwave Technology</i> , 2017 , 35, 2548-2558	4	22
121	Generation and Heterodyne Detection of >100-Gb/s QPSK -Band PDM-64QAM mm-Wave Signal. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 27-30	2.2	23
120	Transmission of 51.2 Gb/s 16 QAM single carrier signal in a MIMO radio-over-fiber system at W-band. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 2870-2874	1.2	5

119	Application of Volterra Nonlinear Compensation in 75-GHz mm-Wave Fiber-Wireless System. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-7	1.8	7
118	Optimal phase threshold for D-band vector millimeter-wave system with frequency sextupled. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 2627-2630	1.2	1
117	Transmission Performance Comparison for 100-Gb/s PAM-4, CAP-16, and DFT-S OFDM With Direct Detection. <i>Journal of Lightwave Technology</i> , 2017 , 35, 5127-5133	4	66
116	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	2.2	22
115	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	30
114	Real-Time Generation and Reception of OFDM Signals for X^2 -Band RoF Uplink With Heterodyne Detection. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 51-54	2.2	12
113	Photonics-Assisted Millimeter-Wave Wireless Communication. <i>IEEE Journal of Quantum Electronics</i> , 2017 , 53, 1-17	2	46
112	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	3.3	27
111	Pre-coding assisted generation of a frequency quadrupled optical vector D-band millimeter wave with one Mach-Zehnder modulator. <i>Optics Express</i> , 2017 , 25, 26483-26491	3.3	18
110	W-Band 16QAM-Modulated SSB Photonic Vector Mm-Wave Signal Generation by One Single I/Q Modulator 2017 ,		2
109	EML-based IM/DD 400G (4 \times 12.5-Gbit/s) PAM-4 over 80 km SSMF Based on Linear Pre-Equalization and Nonlinear LUT Pre-Distortion for Inter-DCI Applications 2017 ,		35
108	Single-Carrier 400G Based on 84-GBaud PDM-8QAM Transmission over 2,125 km SSMF Enhanced by Pre-Equalization, LUT and DBP 2017 ,		3
107	Comparison of DFT-S-orthogonal frequency division multiplexing and single-carrier in a radio-over-fiber system. <i>Optical Engineering</i> , 2017 , 56, 1	1.1	
106	Demonstration of Ultra-Capacity Wireless Signal Delivery at W-Band. <i>Journal of Lightwave Technology</i> , 2016 , 34, 180-187	4	45
105	Single-sideband W-band photonic vector millimeter-wave signal generation by one single I/Q modulator. <i>Optics Letters</i> , 2016 , 41, 4162-5	3	29
104	2 \times 2 multiple-input multiple-output optical-wireless integration system based on optical independent-sideband modulation enabled by an in-phase/quadrature modulator. <i>Optics Letters</i> , 2016 , 41, 3138-41	3	11
103	Over 100-Gb/s V-Band Single-Carrier PDM-64QAM Fiber-Wireless-Integration System. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-7	1.8	19
102	Recent progress on high-speed optical transmission. <i>Digital Communications and Networks</i> , 2016 , 2, 65-76.9		31

101	Long-Distance Wireless mm-Wave Signal Delivery at W-Band. <i>Journal of Lightwave Technology</i> , 2016 , 34, 661-668	4	52
100	Frequency-Quadrupling Vector mm-Wave Signal Generation by Only One Single-Drive MZM. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1302-1305	2.2	33
99	W-Band Millimeter-Wave Vector Signal Generation Based on Precoding-Assisted Random Photonic Frequency Tripling Scheme Enabled by Phase Modulator. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-10	1.8	26
98	Improved BER Performance of Real-Time DDO-OFDM Systems Using Interleaved Reed-Solomon Codes. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1014-1017	2.2	13
97	Large Capacity Optical Wireless Signal Delivery at W-Band: OFDM or Single Carrier? 2016 ,		7
96	Experimental Demonstration of PDM-32QAM Single-Carrier 400G over 1200-km Transmission Enabled by Training-assisted Pre-equalization and Look-up Table 2016 ,		13
95	Demonstration of Four-Channel CWDM 560 Gbit/s 128QAM-OFDM for Optical Inter-connection 2016 ,		14
94	A 2x MIMO Optical Wireless System at D-Band 2016 ,		4
93	Simple and reconfigured single-sideband OFDM RoF system. <i>Optics Express</i> , 2016 , 24, 22830-22835	3.3	26
92	Over 100 Gb/s Ultrabroadband MIMO Wireless Signal Delivery System at the D-Band. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-10	1.8	21
91	Fiber-wireless fiber link for 20-Gb/s QPSK signal delivery at W-band with DML for E/O conversion in wireless fiber connection. <i>Optics Communications</i> , 2015 , 354, 231-235	2	3
90	A novel architecture of satellite-ground communication system at W-band based on RF transparent demodulation technique. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 409-414	1.2	2
89	Fiber-wireless integration for 80 Gbps polarization division multiplexing 16QAM signal transmission at W-band without RF down conversion. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 9-13	1.2	10
88	A Novel PON Architecture Based on OAM Multiplexing for Efficient Bandwidth Utilization. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-6	1.8	10
87	Experimental Investigation on Fiber-Wireless MIMO System With Different LO at W Band. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-7	1.8	2
86	Performance Comparison of Dual-Carrier 400G With 8/16/32-QAM Modulation Formats. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1414-1417	2.2	14
85	Performance Comparison of DFT-Spread and Pre-Equalization for 8x44.2-Gb/s PDM-16QAM-OFDM. <i>Journal of Lightwave Technology</i> , 2015 , 33, 227-233	4	27
84	QAM Vector Signal Generation by Optical Carrier Suppression and Precoding Techniques. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1977-1980	2.2	72

83	Transmission of 100-Gb/s VSB DFT-Spread DMT Signal in Short-Reach Optical Communication Systems. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-7	1.8	8
82	Demonstration of Single-Carrier ETDM 400GE PAM-4 Signals Generation and Detection. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2543-2546	2.2	13
81	40-Gb/s PDM-QPSK signal transmission over 160-m wireless distance at W-band. <i>Optics Letters</i> , 2015 , 40, 998-1001	3	33
80	High-Frequency Photonic Vector Signal Generation Employing a Single Phase Modulator. <i>IEEE Photonics Journal</i> , 2015 , 1-1	1.8	18
79	Transmission and full-band coherent detection of polarization-multiplexed all-optical Nyquist signals generated by Sinc-shaped Nyquist pulses. <i>Scientific Reports</i> , 2015 , 5, 13649	4.9	10
78	High-Speed Signal Transmission at W-Band Over Dielectric-Coated Metallic Hollow Fiber. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1836-1842	4.1	3
77	Fiber-Wireless-Fiber Link for DFT-Spread OFDM Signal Transmission at $\mathbb{W}\mathbb{W}$ -Band. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1273-1276	2.2	13
76	QPSK Vector Signal Generation Based on Photonic Heterodyne Beating and Optical Carrier Suppression. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-6	1.8	22
75	W-Band 8QAM Vector Signal Generation by MZM-Based Photonic Frequency Octupling. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1257-1260	2.2	83
74	Balanced Precoding Technique for Vector Signal Generation Based on OCS. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2469-2472	2.2	29
73	Large-capacity long-distance wireless mm-wave signal delivery at W-band 2015 ,		1
72	Photonic Vector Signal Generation Employing a Single-Drive MZM-Based Optical Carrier Suppression Without Precoding. <i>Journal of Lightwave Technology</i> , 2015 , 33, 5235-5241	4	14
71	WDM Transmission of Single-Carrier 400G Based on Orthogonal OTDM 80-GBd PDM-8QAM. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-6	1.8	1
70	W-band RoF transmission based on optical multi-carrier generation by cascading one directly-modulated DFB laser and one phase modulator. <i>Optics Communications</i> , 2015 , 345, 80-85	2	20
69	High speed all optical Nyquist signal generation and full-band coherent detection. <i>Scientific Reports</i> , 2014 , 4, 6156	4.9	28
68	Fiber-Wireless-Fiber Link for 100-Gb/s PDM-QPSK Signal Transmission at W-Band. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 1825-1828	2.2	66
67	Fiber-Wireless-Fiber Link for 128-Gb/s PDM-16QAM Signal Transmission at (W) -Band. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 1948-1951	2.2	66
66	61.3-Gbps Hybrid Fiber-Wireless In-Home Network Enabled by Optical Heterodyne and Polarization Multiplexing. <i>Journal of Lightwave Technology</i> , 2014 , 32, 3227-3233	4	15

65	Optical independent-sideband modulation for bandwidth-economic coherent transmission. <i>Optics Express</i> , 2014 , 22, 9465-70	3.3	21
64	Time-domain digital pre-equalization for band-limited signals based on receiver-side adaptive equalizers. <i>Optics Express</i> , 2014 , 22, 20515-29	3.3	45
63	Antenna polarization diversity for high-speed polarization multiplexing wireless signal delivery at W-band. <i>Optics Letters</i> , 2014 , 39, 1169-72	3	42
62	Multichannel 120-Gb/s Data Transmission Over 2 \times 2 MIMO Fiber-Wireless Link at W-Band. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 780-783	2.2	108
61	9.952-Gb/s On/Off keying signal transmission over 92-GHz radio-over-fiber system with 40-km single-mode fiber and 2-m air link. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 1014-1017	1.2	1
60	Reduction of Intercarrier Interference Based on Window Shaping in OFDM RoF Systems. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 851-854	2.2	18
59	Doubling transmission capacity in optical wireless system by antenna horizontal- and vertical-polarization multiplexing. <i>Optics Letters</i> , 2013 , 38, 2125-7	3	30
58	Heterodyne coherent detection of WDM PDM-QPSK signals with spectral efficiency of 4b/s/Hz. <i>Optics Express</i> , 2013 , 21, 8808-14	3.3	16
57	Optical-wireless-optical full link for polarization multiplexing quadrature amplitude/phase modulation signal transmission. <i>Optics Letters</i> , 2013 , 38, 4712-5	3	20
56	A 400G optical wireless integration delivery system. <i>Optics Express</i> , 2013 , 21, 18812-9	3.3	109
55	Faster than fiber: over 100-Gb/s signal delivery in fiber wireless integration system. <i>Optics Express</i> , 2013 , 21, 22885-904	3.3	93
54	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, 742-4	3	31
53	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	2.2	33
52	Performance Assessment of Noise-Suppressed Nyquist-WDM for Terabit Superchannel Transmission. <i>Journal of Lightwave Technology</i> , 2012 , 30, 3965-3971	4	35
51	Reducing the Peak-to-Average Power Ratio With Companding Transform Coding in 60 GHz OFDM-ROF Systems. <i>Journal of Optical Communications and Networking</i> , 2012 , 4, 202	4.1	29
50	Improved Multicarriers Generation by Using Multifrequency Shifting Recirculating Loop. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1405-1408	2.2	12
49	Enhanced Vector Signal Transmission Over Double-Sideband Carrier-Suppressed Optical Millimeter-Waves Through a Small LO Feedthrough. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 173-175	2.2	9
48	. <i>Journal of Lightwave Technology</i> , 2012 , 30, 3219-3225	4	24

47	Reversely Modulated Optical Single Sideband Scheme and Its Application in a 60-GHz Full Duplex ROF System. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 827-829	2.2	36
46	Fiber-wireless transmission system of 108 Gb/s data over 80 km fiber and 20 multiple-input multiple-output wireless links at 100 GHz W-band frequency. <i>Optics Letters</i> , 2012 , 37, 5106-8	3	153
45	The reduction of the LO number for heterodyne coherent detection. <i>Optics Express</i> , 2012 , 20, 29613-9	3.3	13
44	Spectrally efficient localized carrier distribution scheme for multiple-user DFT-S OFDM RoF- PON wireless access systems. <i>Optics Express</i> , 2012 , 20, 29665-72	3.3	16
43	Multichannel optical frequency-locked multicarrier source generation based on multichannel recirculation frequency shifter loop. <i>Optics Letters</i> , 2012 , 37, 4714-6	3	8
42	Multi-channel multi-carrier generation using multi-wavelength frequency shifting recirculating loop. <i>Optics Express</i> , 2012 , 20, 21833-9	3.3	30
41	Seamless integration of 57.2-Gb/s signal wireline transmission and 100-GHz wireless delivery. <i>Optics Express</i> , 2012 , 20, 24364-9	3.3	20
40	A Bidirectional 60-GHz Wireless-Over-Fiber Transport System With Centralized Local Oscillator Service Delivered to Mobile Terminals and Base Stations. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1984-1987	2.2	15
39	Theoretical and Experimental Study on Improved Frequency-Locked Multicarrier Generation by Using Recirculating Loop Based on Multifrequency Shifting Single-Sideband Modulation. <i>IEEE Photonics Journal</i> , 2012 , 4, 2249-2261	1.8	8
38	64-Tb/s, 8 b/s/Hz, PDM-36QAM Transmission Over 320 km Using Both Pre- and Post-Transmission Digital Signal Processing. <i>Journal of Lightwave Technology</i> , 2011 , 29, 571-577	4	100
37	Wavelength Converter for Polarization-Multiplexed 100-G Transmission With Multilevel Modulation Using a Bismuth Oxide-Based Nonlinear Fiber. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 1832-1834	2.2	9
36	Transmission of 32-Tb/s Capacity Over 580 km Using RZ-Shaped PDM-8QAM Modulation Format and Cascaded Multimodulus Blind Equalization Algorithm. <i>Journal of Lightwave Technology</i> , 2010 , 28, 456-465	4	50
35	Polarization-Multiplexed Optical Wireless Transmission With Coherent Detection. <i>Journal of Lightwave Technology</i> , 2010 , 28, 1218-1227	4	61
34	Cost-Effective Optical Millimeter Technologies and Field Demonstrations for Very High Throughput Wireless-Over-Fiber Access Systems. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2376-2397	4	92
33	Multi-Band Transport Technologies for In-Building Host-Neutral Wireless Over Fiber Access Systems. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2406-2415	4	28
32	Ultra-High-Capacity DWDM transmission system for 100G and beyond 2010 , 48, S56-S64		106
31	Multi-Level, Multi-Dimensional Coding for High-Speed and High-Spectral-Efficiency Optical Transmission. <i>Journal of Lightwave Technology</i> , 2009 , 27, 3641-3653	4	125
30	Rayleigh Backscattering Noise-Eliminated 115-km Long-Reach Bidirectional Centralized WDM-PON With 10-Gb/s DPSK Downstream and Remodulated 2.5-Gb/s OCS-SCM Upstream Signal. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 2081-2083	2.2	38

29	1000-Gb/s transmissions using optical carrier suppression and separation technique and RZ-DQPSK modulation for metro-ethernet transport system 2008 ,		1
28	Alternate Multiwavelength Picosecond Pulse Generation by Use of an Unbalanced Mach-Zehnder Interferometer in a Mode-locked Fiber Ring Laser. <i>IEEE Journal of Quantum Electronics</i> , 2007 , 43, 85-96	2	2
27	To extend delivery distance of the optical MM-wave generated by DSB modulation and vestigial sideband filtering. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1003-1004	1.2	3
26	80 Gbit/s WDM repeaterless transmission over 240km SMF using modified duobinary RZ signals 2006 ,		1
25	Super Broadband Optical Wireless over Optical Fiber Network Architecture 2006 ,		5
24	Numerical and experimental study of an alternate multiwavelength mode-locked fiber ring laser 2006 ,		1
23	Novel optical-wireless access network architecture for providing broadband wireless and wired services 2006 ,		1
22	Enabling Technologies for Next-Generation Optical Packet-Switching Networks. <i>Proceedings of the IEEE</i> , 2006 , 94, 892-910	14.3	31
21	A new scheme for bidirectional WDM-PON using upstream and downstream channels generated by optical carrier suppression and separation technique. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 340-342	2.2	40
20	Optical millimeter-wave generation or up-conversion using external modulators. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 265-267	2.2	331
19	DWDM reconfigurable optical delay buffer for optical packet switched networks. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1176-1178	2.2	10
18	Label erasure using an imbalanced NOLM and its application in a 40-gb/s label switching optical network. <i>Journal of Lightwave Technology</i> , 2006 , 24, 271-276	4	2
17	Performance characterization and optimization of high-speed ON-OFF optical-signal reflectors in a folded-path time-delay buffer. <i>Journal of Lightwave Technology</i> , 2006 , 24, 365-379	4	3
16	Wavelength conversion based on four-wave mixing in high-nonlinear dispersion shifted fiber using a dual-pump configuration. <i>Journal of Lightwave Technology</i> , 2006 , 24, 2851-2858	4	54
15	Multirate payload switching using a swappable optical carrier suppressed label in a packet-switched DWDM optical network. <i>Journal of Lightwave Technology</i> , 2005 , 23, 196-202	4	9
14	Optical carrier suppression and separation label-switching techniques. <i>Journal of Lightwave Technology</i> , 2005 , 23, 3372-3387	4	15
13	All-optical label swapping for same wavelength data switching using optical carrier suppression, separation and without regular wavelength converter. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1127-1129	2.2	7
12	Detecting burst-mode optical label or payload generated by OCSS technique using conventional receivers. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1567-1569	2.2	3

11	Seamless integration of an 8/spl times/2.5 Gb/s WDM-PON and radio-over-fiber using all-optical up-conversion based on Raman-assisted FWM. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1986-1988	2.2	88
10	All-optical 16 /spl times/ 2.5 Gb/s WDM signal simultaneous up-conversion based on XPM in an NOLM in ROF systems. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2724-2726	2.2	37
9	A novel optical label swapping scheme for DPSK data transmissions using optical carrier suppression and separation technique without requiring a conventional wavelength converter 2005		2
8	Bidirectional DPSK transmission of 16 10-Gb/s DWDM channels over 80-km SMF-28 using semiconductor optical amplifiers. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 525-527	1.2	3
7	A novel technique for optical label and payload generation and multiplexing using optical carrier suppression and separation. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 320-322	2.2	44
6	Optical label swapping in a packet-switched optical network using optical carrier suppression, separation, and wavelength conversion. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2156-2158	2.2	16
5	A dynamically reconfigurable folded-path time delay buffer for optical packet switching. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2559-2561	2.2	31
4	Spectral efficient DWDM optical label/payload generation and transport for next-generation Internet. <i>Journal of Lightwave Technology</i> , 2004 , 22, 2469-2482	4	10
3	Generation of modified duobinary RZ signals by using one single dual-arm LiNbO3 modulator. <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 1455-1457	2.2	13
2	. <i>Journal of Lightwave Technology</i> , 2001 , 19, 1316-1325	4	22
1	Edge viewing photodetectors for strictly in-plane lightwave circuit integration and flexible optical interconnects		