

Jianjun Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3401837/publications.pdf>

Version: 2024-02-01

235
papers

6,280
citations

70961

41
h-index

102304

66
g-index

237
all docs

237
docs citations

237
times ranked

2280
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical millimeter-wave generation or up-conversion using external modulators. IEEE Photonics Technology Letters, 2006, 18, 265-267.	1.3	433
2	Fiber-wireless transmission system of 108 Gb/s data over 80 km fiber and 2x2 multiple-input multiple-output wireless links at 100 GHz W-band frequency. Optics Letters, 2012, 37, 5106.	1.7	194
3	Multi-Level, Multi-Dimensional Coding for High-Speed and High-Spectral-Efficiency Optical Transmission. Journal of Lightwave Technology, 2009, 27, 3641-3653.	2.7	161
4	Multichannel 120-Gb/s Data Transmission Over 2x2 MIMO Fiber-Wireless Link at W-Band. IEEE Photonics Technology Letters, 2013, 25, 780-783.	1.3	151
5	A 400G optical wireless integration delivery system. Optics Express, 2013, 21, 18812.	1.7	141
6	Ultra-High-Capacity DWDM transmission system for 100G and beyond. , 2010, 48, S56-S64.		134
7	64-Tb/s, 8 b/s/Hz, PDM-36QAM Transmission Over 320 km Using Both Pre- and Post-Transmission Digital Signal Processing. Journal of Lightwave Technology, 2011, 29, 571-577.	2.7	128
8	Cost-Effective Optical Millimeter Technologies and Field Demonstrations for Very High Throughput Wireless-Over-Fiber Access Systems. Journal of Lightwave Technology, 2010, 28, 2376-2397.	2.7	112
9	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. IEEE Photonics Technology Letters, 2005, 17, 1986-1988.	1.3	110
10	Faster than fiber: over 100-Gb/s signal delivery in fiber wireless integration system. Optics Express, 2013, 21, 22885.	1.7	103
11	W-Band 8QAM Vector Signal Generation by MZM-Based Photonic Frequency Octupling. IEEE Photonics Technology Letters, 2015, 27, 1257-1260.	1.3	99
12	Long-Distance Wireless mm-Wave Signal Delivery at W-Band. Journal of Lightwave Technology, 2016, 34, 661-668.	2.7	90
13	QAM Vector Signal Generation by Optical Carrier Suppression and Precoding Techniques. IEEE Photonics Technology Letters, 2015, 27, 1977-1980.	1.3	89
14	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.	2.7	84
15	Fiber-Wireless-Fiber Link for 100-Gb/s PDM-QPSK Signal Transmission at W-Band. IEEE Photonics Technology Letters, 2014, 26, 1825-1828.	1.3	81
16	Fiber-Wireless-Fiber Link for 128-Gb/s PDM-16QAM Signal Transmission at (W) -Band. IEEE Photonics Technology Letters, 2014, 26, 1948-1951.	1.3	80
17	Polarization-Multiplexed Optical Wireless Transmission With Coherent Detection. Journal of Lightwave Technology, 2010, 28, 1218-1227.	2.7	78
18	1-Tb/s Millimeter-Wave Signal Wireless Delivery at D-Band. Journal of Lightwave Technology, 2019, 37, 196-204.	2.7	77

#	ARTICLE	IF	CITATIONS
19	Antenna polarization diversity for high-speed polarization multiplexing wireless signal delivery at W-band. <i>Optics Letters</i> , 2014, 39, 1169.	1.7	76
20	Photonics-Assisted Millimeter-Wave Wireless Communication. <i>IEEE Journal of Quantum Electronics</i> , 2017, 53, 1-17.	1.0	68
21	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.	2.7	67
22	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.	2.7	66
23	Demonstration of Ultra-Capacity Wireless Signal Delivery at W-Band. <i>Journal of Lightwave Technology</i> , 2016, 34, 180-187.	2.7	64
24	Time-domain digital pre-equalization for band-limited signals based on receiver-side adaptive equalizers. <i>Optics Express</i> , 2014, 22, 20515.	1.7	63
25	Photonics-Assisted Technologies for Extreme Broadband 5G Wireless Communications. <i>Journal of Lightwave Technology</i> , 2019, 37, 2851-2865.	2.7	62
26	Single-Carrier Dual-Polarization 328-Gb/s Wireless Transmission in a D-Band Millimeter Wave 2 × 2 MU-MIMO Radio-Over-Fiber System. <i>Journal of Lightwave Technology</i> , 2018, 36, 587-593.	2.7	61
27	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.	1.3	58
28	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.	2.7	57
29	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.	1.3	55
30	Tutorial: Broadband fiber-wireless integration for 5G+ communication. <i>APL Photonics</i> , 2018, 3, .	3.0	53
31	120 Gb/s Wireless Terahertz-Wave Signal Delivery by 375 GHz-500 GHz Multi-Carrier in a 2 × 2 MIMO System. <i>Journal of Lightwave Technology</i> , 2019, 37, 606-611.	2.7	53
32	Recent progress on high-speed optical transmission. <i>Digital Communications and Networks</i> , 2016, 2, 65-76.	2.7	51
33	Enabling Technologies for Next-Generation Optical Packet-Switching Networks. <i>Proceedings of the IEEE</i> , 2006, 94, 892-910.	16.4	48
34	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.	1.3	48
35	Photonics-Aided Millimeter-Wave Technologies for Extreme Mobile Broadband Communications in 5G. <i>Journal of Lightwave Technology</i> , 2020, 38, 366-378.	2.7	48
36	40-Gb/s PDM-QPSK signal transmission over 160-m wireless distance at W-band. <i>Optics Letters</i> , 2015, 40, 998.	1.7	47

#	ARTICLE	IF	CITATIONS
37	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
38	All-optical 16 /spl times/ 2.5 Gb/s WDM signal simultaneous up-conversion based on XPM in an NOLM in ROF systems. IEEE Photonics Technology Letters, 2005, 17, 2724-2726.	1.3	45
39	Experimental Demonstration of 48-Gb/s PDM-QPSK Radio-Over-Fiber System Over 40-GHz mm-Wave MIMO Wireless Transmission. IEEE Photonics Technology Letters, 2012, 24, 2276-2279.	1.3	43
40	Full-Duplex Quasi-Gapless Carrier Aggregation Using FBMC in Centralized Radio-Over-Fiber Heterogeneous Networks. Journal of Lightwave Technology, 2017, 35, 989-996.	2.7	43
41	Reversely Modulated Optical Single Sideband Scheme and Its Application in a 60-GHz Full Duplex ROF System. IEEE Photonics Technology Letters, 2012, 24, 827-829.	1.3	42
42	Frequency-Quadrupling Vector mm-Wave Signal Generation by Only One Single-Drive MZM. IEEE Photonics Technology Letters, 2016, 28, 1302-1305.	1.3	42
43	A Dynamically Reconfigurable Folded-Path Time Delay Buffer for Optical Packet Switching. IEEE Photonics Technology Letters, 2004, 16, 2559-2561.	1.3	41
44	Investigation of interference in multiple-input multiple-output wireless transmission at W band for an optical wireless integration system. Optics Letters, 2013, 38, 742.	1.7	39
45	Comparison of 100G PAM-8, CAP-64 and DFT-S OFDM with a bandwidth-limited direct-detection receiver. Optics Express, 2017, 25, 32254.	1.7	39
46	Performance Assessment of Noise-Suppressed Nyquist-WDM for Terabit Superchannel Transmission. Journal of Lightwave Technology, 2012, 30, 3965-3971.	2.7	38
47	Reducing the Peak-to-Average Power Ratio With Companding Transform Coding in 60 GHz OFDM-ROF Systems. Journal of Optical Communications and Networking, 2012, 4, 202.	3.3	37
48	Analysis of Noise Spread in Optical DFT-S OFDM Systems. Journal of Lightwave Technology, 2012, 30, 3219-3225.	2.7	36
49	High Speed All Optical Nyquist Signal Generation and Full-band Coherent Detection. Scientific Reports, 2014, 4, 6156.	1.6	36
50	Performance Comparison of DFT-Spread and Pre-Equalization for 8 Å— 244.2-Gb/s PDM-16QAM-OFDM. Journal of Lightwave Technology, 2015, 33, 227-233.	2.7	36
51	Doubling transmission capacity in optical wireless system by antenna horizontal- and vertical-polarization multiplexing. Optics Letters, 2013, 38, 2125.	1.7	35
52	Simple and reconfigured single-sideband OFDM RoF system. Optics Express, 2016, 24, 22830.	1.7	35
53	Single-sideband W-band photonic vector millimeter-wave signal generation by one single I/Q modulator. Optics Letters, 2016, 41, 4162.	1.7	35
54	Demonstration of 260-Gb/s Single-Lane EML-Based PS-PAM-8 IM/DD for Datacenter Interconnects. , 2019, , .		35

#	ARTICLE	IF	CITATIONS
55	Multi-Band Transport Technologies for In-Building Host-Neutral Wireless Over Fiber Access Systems. Journal of Lightwave Technology, 2010, 28, 2406-2415.	2.7	34
56	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. Journal of Lightwave Technology, 2018, 36, 50-56.	2.7	34
57	Real-time demonstration of 103.125-Gbps fiber-to-fiber 2 nd -order MIMO transparent transmission at 360-430 GHz based on photonics. Optics Letters, 2022, 47, 1214.	1.7	34
58	Multi-channel multi-carrier generation using multi-wavelength frequency shifting recirculating loop. Optics Express, 2012, 20, 21833.	1.7	33
59	Balanced Precoding Technique for Vector Signal Generation Based on OCS. IEEE Photonics Technology Letters, 2015, 27, 2469-2472.	1.3	33
60	W-Band Millimeter-Wave Vector Signal Generation Based on Precoding-Assisted Random Photonic Frequency Tripling Scheme Enabled by Phase Modulator. IEEE Photonics Journal, 2016, 8, 1-10.	1.0	33
61	Probabilistically Shaped 16QAM Signal Transmission in a Photonics-aided Wireless Terahertz-Wave System. , 2018, , .		33
62	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.	1.7	32
63	W-Band Vector Millimeter-Wave Signal Generation Based on Phase Modulator With Photonic Frequency Quadrupling and Precoding. Journal of Lightwave Technology, 2017, 35, 2548-2558.	2.7	31
64	QPSK Vector Signal Generation Based on Photonic Heterodyne Beating and Optical Carrier Suppression. IEEE Photonics Journal, 2015, 7, 1-6.	1.0	30
65	Over 100-Gb/s Ultrabroadband MIMO Wireless Signal Delivery System at the D-Band. IEEE Photonics Journal, 2016, 8, 1-10.	1.0	30
66	SOA Pre-Amplified 100-Gb/s PAM-4 TDM-PON Downstream Transmission Using 10 Gbps O-Band Transmitters. Journal of Lightwave Technology, 2020, 38, 185-193.	2.7	30
67	Comparison of Geometrically Shaped 32-QAM and Probabilistically Shaped 32-QAM in a Bandwidth-Limited IM-DD System. Journal of Lightwave Technology, 2020, 38, 4352-4358.	2.7	29
68	Optical independent-sideband modulation for bandwidth-economic coherent transmission. Optics Express, 2014, 22, 9465.	1.7	28
69	Generation and Heterodyne Detection of >100-Gb/s Q ² -Band PDM-64QAM mm-Wave Signal. IEEE Photonics Technology Letters, 2017, 29, 27-30.	1.3	28
70	200-Gbps DFT-S OFDM Using DD-MZM-Based Twin-SSB With a MIMO-Volterra Equalizer. IEEE Photonics Technology Letters, 2017, 29, 1183-1186.	1.3	27
71	High-Speed PS-PAM8 Transmission in a Four-Lane IM/DD System Using SOA at O-Band for 800G DCI. IEEE Photonics Technology Letters, 2020, 32, 293-296.	1.3	27
72	Symmetrical 50-Gb/s PAM-4 TDM-PON in O-band with DSP and Semiconductor Optical Amplifier Supporting PR-30 Link Loss Budget. , 2018, , .		26

#	ARTICLE	IF	CITATIONS
73	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, 40, 2890-2900.	2.7	26
74	Increasing input power dynamic range of SOA by shifting the transparent wavelength of tunable optical filter. <i>Journal of Lightwave Technology</i> , 2001, 19, 1316-1325.	2.7	25
75	Seamless integration of 572-Gb/s signal wireline transmission and 100-GHz wireless delivery. <i>Optics Express</i> , 2012, 20, 24364.	1.7	25
76	High Spectral Efficiency 400 Gb/s Transmission by Different Modulation Formats and Advanced DSP. <i>Journal of Lightwave Technology</i> , 2019, 37, 5317-5325.	2.7	25
77	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.	2.7	25
78	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.	1.7	24
79	PAM-8 IM/DD Transmission Based on Modified Lookup Table Nonlinear Predistortion. <i>IEEE Photonics Journal</i> , 2018, 10, 1-9.	1.0	24
80	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, 40, 2830-2839.	2.7	24
81	Optical carrier suppression and separation label-switching techniques. <i>Journal of Lightwave Technology</i> , 2005, 23, 3372-3387.	2.7	23
82	Spectrally efficient localized carrier distribution scheme for multiple-user DFT-S OFDM RoF- PON wireless access systems. <i>Optics Express</i> , 2012, 20, 29665.	1.7	23
83	Reduction of Intercarrier Interference Based on Window Shaping in OFDM RoF Systems. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 851-854.	1.3	23
84	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.	1.0	23
85	High-frequency photonic vector signal generation employing a single phase modulator. <i>IEEE Photonics Journal</i> , 2015, , 1-1.	1.0	23
86	Over 100-Gb/s V-Band Single-Carrier PDM-64QAM Fiber-Wireless-Integration System. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7.	1.0	23
87	High Spectral Efficiency WDM Transmission Based on Hybrid Probabilistically and Geometrically Shaped 256QAM. <i>Journal of Lightwave Technology</i> , 2021, 39, 5494-5501.	2.7	23
88	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.	1.3	22
89	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, 39, 6858-6868.	2.7	22
90	Improved Performance of high-order QAM OFDM Based on Probabilistically Shaping in the Datacom. , 2018, , .		22

#	ARTICLE	IF	CITATIONS
91	Generation of modified duobinary RZ signals by using one single dual-arm LiNbO3 modulator. IEEE Photonics Technology Letters, 2003, 15, 1455-1457.	1.3	21
92	A Bidirectional 60-GHz Wireless-Over-Fiber Transport System With Centralized Local Oscillator Service Delivered to Mobile Terminals and Base Stations. IEEE Photonics Technology Letters, 2012, 24, 1984-1987.	1.3	21
93	Photonic Vector Signal Generation Employing a Single-Drive MZM-Based Optical Carrier Suppression Without Precoding. Journal of Lightwave Technology, 2015, 33, 5235-5241.	2.7	21
94	Real-Time Generation and Reception of OFDM Signals for X -Band RoF Uplink With Heterodyne Detection. IEEE Photonics Technology Letters, 2017, 29, 51-54.	1.3	21
95	Twin-SSB-OFDM Transmission Over Heterodyne W-Band Fiber-Wireless System With Real-Time Implementable Blind Carrier Recovery. Journal of Lightwave Technology, 2018, 36, 5562-5572.	2.7	21
96	Mitigation of Pattern-Dependent Effect in SOA at O-Band by Using DSP. Journal of Lightwave Technology, 2020, 38, 590-597.	2.7	21
97	Heterodyne coherent detection of WDM PDM-QPSK signals with spectral efficiency of 4b/s/Hz. Optics Express, 2013, 21, 8808.	1.7	20
98	Optical-wireless-optical full link for polarization multiplexing quadrature amplitude/phase modulation signal transmission. Optics Letters, 2013, 38, 4712.	1.7	20
99	W-band simultaneous vector signal generation and radar detection based on photonic frequency quadrupling. Optics Letters, 2022, 47, 537.	1.7	20
100	Integrated High-Resolution Radar and Long-Distance Communication Based-on Photonic in Terahertz Band. Journal of Lightwave Technology, 2022, 40, 2731-2738.	2.7	20
101	A Novel PON Architecture Based on OAM Multiplexing for Efficient Bandwidth Utilization. IEEE Photonics Journal, 2015, 7, 1-6.	1.0	19
102	Performance Comparison of Dual-Carrier 400G With 8/16/32-QAM Modulation Formats. IEEE Photonics Technology Letters, 2015, 27, 1414-1417.	1.3	19
103	Approaching Terabits Per Carrier Metro-Regional Transmission Using Beyond-100GBd Coherent Optics With Probabilistically Shaped DP-64QAM Modulation. Journal of Lightwave Technology, 2019, 37, 1751-1755.	2.7	19
104	Transmission and full-band coherent detection of polarization-multiplexed all-optical Nyquist signals generated by Sinc-shaped Nyquist pulses. Scientific Reports, 2015, 5, 13649.	1.6	18
105	Improved BER Performance of Real-Time DDO-OFDM Systems Using Interleaved Reed-Solomon Codes. IEEE Photonics Technology Letters, 2016, 28, 1014-1017.	1.3	18
106	640-Gbps/Carrier WDM Transmission over 6,400 km Based on PS-16QAM at 106 Gbaud Employing Advanced DSP. Journal of Lightwave Technology, 2021, 39, 55-63.	2.7	18
107	A Chaotic Encryption Scheme in DMT for IM/DD Intra-Datacenter Interconnects. IEEE Photonics Technology Letters, 2021, 33, 383-386.	1.3	18
108	200 Gbit/s Photonics-Aided MMW PS-OFDM Signals Transmission at W-Band Enabled by Hybrid Time-Frequency Domain Equalization. Journal of Lightwave Technology, 2021, 39, 3137-3144.	2.7	18

#	ARTICLE	IF	CITATIONS
109	Fiber-Wireless-Fiber Link for DFT-Spread OFDM Signal Transmission at γ -Band. IEEE Photonics Technology Letters, 2015, 27, 1273-1276.	1.3	17
110	Fiber-THz-Fiber Link for THz Signal Transmission. IEEE Photonics Journal, 2018, 10, 1-6.	1.0	17
111	Experimental Demonstration of PDM-32QAM Single-Carrier 400G over 1200-km Transmission Enabled by Training-assisted Pre-equalization and Look-up Table. , 2016, , .		17
112	Demonstration of Four-Channel CWDM 560 Gbit/s 128QAM-OFDM for Optical Inter-connection. , 2016, , .		17
113	280 Gb/s IM/DD PS-PAM-8 Transmission Over 10 km SSMF at O-band For Optical Interconnects. , 2020, , .		17
114	High-Speed Terahertz Band Radio-Over-Fiber System Using Hybrid Time-Frequency Domain Equalization. IEEE Photonics Technology Letters, 2022, 34, 559-562.	1.3	17
115	The reduction of the LO number for heterodyne coherent detection. Optics Express, 2012, 20, 29613.	1.7	16
116	Improved Multicarriers Generation by Using Multifrequency Shifting Recirculating Loop. IEEE Photonics Technology Letters, 2012, 24, 1405-1408.	1.3	16
117	Fiber-wireless integration for 80 Gbps polarization division multiplexing 16QAM signal transmission at W-band without RF down conversion. Microwave and Optical Technology Letters, 2015, 57, 9-13.	0.9	16
118	Real-Time Q-Band OFDM-RoF Systems With Optical Heterodyning and Envelope Detection for Downlink Transmission. IEEE Photonics Journal, 2017, 9, 1-7.	1.0	16
119	Physical Layer Encryption in DMT Based on Digital Multi-Scroll Chaotic System. IEEE Photonics Technology Letters, 2020, 32, 1303-1306.	1.3	16
120	Bi-Directional OFDM Truncated PS-4096QAM Signals Transmission in a Full-Duplex MMW-RoF System at E-Band. Journal of Lightwave Technology, 2021, 39, 3412-3419.	2.7	16
121	1-Tb/s Photonics-aided Vector Millimeter-Wave Signal Wireless Delivery at D-Band. , 2018, , .		16
122	61.3-Gbps Hybrid Fiber-Wireless In-Home Network Enabled by Optical Heterodyne and Polarization Multiplexing. Journal of Lightwave Technology, 2014, 32, 3227-3233.	2.7	15
123	Demonstration of Single-Carrier ETDM 400GE PAM-4 Signals Generation and Detection. IEEE Photonics Technology Letters, 2015, 27, 2543-2546.	1.3	15
124	2 multiple-input multiple-output optical wireless integration system based on optical independent-sideband modulation enabled by an in-phase/quadrature modulator. Optics Letters, 2016, 41, 3138.	1.7	15
125	A nonlinear ANN equalizer with mini-batch gradient descent in 40Cbaud PAM-8 IM/DD system. Optical Fiber Technology, 2018, 46, 113-117.	1.4	15
126	Enhanced Performance Utilizing Joint Processing Algorithm for CAP Signals. Journal of Lightwave Technology, 2018, 36, 3169-3175.	2.7	15

#	ARTICLE	IF	CITATIONS
127	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, 12, 409-414.	2.0	15
128	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.	2.7	14
129	DWDM reconfigurable optical delay buffer for optical packet switched networks. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 1176-1178.	1.3	14
130	Probabilistically Shaped DP-64QAM Coherent Optics at 105 GBd Achieving 900 Gbps Net Bit Rate per Carrier over 800 km Transmission. , 2018, , .		14
131	140-Gb/s PS-256-QAM Transmission in an OFDM System Using Kramersâ€“Kronig Detection. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1405-1408.	1.3	14
132	Spectral Efficient DWDM Optical Label/Payload Generation and Transport for Next-Generation Internet. <i>Journal of Lightwave Technology</i> , 2004, 22, 2469-2482.	2.7	13
133	Multichannel optical frequency-locked multicarrier source generation based on multichannel recirculation frequency shifter loop. <i>Optics Letters</i> , 2012, 37, 4714.	1.7	13
134	Photonics-assisted joint high-speed communication and high-resolution radar detection system. <i>Optics Letters</i> , 2021, 46, 6103.	1.7	13
135	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, 40, 2791-2798.	2.7	13
136	Joint communication and radar sensing functions system based on photonics at the W-band. <i>Optics Express</i> , 2022, 30, 13404.	1.7	13
137	Digital Signal Processing for Highâ€“speed THz Communications. <i>Chinese Journal of Electronics</i> , 2022, 31, 534-546.	0.7	13
138	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.	2.9	12
139	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.	1.0	12
140	Photonics-Aided 32-Gb/s Wireless Signal Transmission Over 1 km at K-Band. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1120-1123.	1.3	12
141	High Symbol Rate Signal Generation and Detection With Linear and Nonlinear Signal Processing. <i>Journal of Lightwave Technology</i> , 2018, 36, 408-415.	2.7	12
142	Edge Viewing Photodetectors for Strictly In-plane Lightwave Circuit Integration and Flexible Optical Interconnects. , 0, , .		11
143	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.	1.3	11
144	Four-Channel WDM 640 Gb/s 256 QAM Transmission Utilizing Kramers-Kronig Receiver. <i>Journal of Lightwave Technology</i> , 2019, 37, 5466-5473.	2.7	11

#	ARTICLE	IF	CITATIONS
145	D-band Millimeter Wave Generation and Transmission Through Radio-Over-Fiber System. IEEE Photonics Journal, 2020, 12, 1-8.	1.0	11
146	Large Capacity Optical Wireless Signal Delivery at W-Band: OFDM or Single Carrier?. , 2016, , .		11
147	104 Meters Photonics-Aided Terahertz Wireless Transmission Without Terahertz Amplifier. IEEE Photonics Technology Letters, 2022, 34, 858-861.	1.3	11
148	Wavelength Converter for Polarization-Multiplexed 100-G Transmission With Multilevel Modulation Using a Bismuth Oxide-Based Nonlinear Fiber. IEEE Photonics Technology Letters, 2010, 22, 1832-1834.	1.3	10
149	Application of Volterra Nonlinear Compensation in 75-GHz mm-Wave Fiber-Wireless System. IEEE Photonics Journal, 2017, 9, 1-7.	1.0	10
150	3.5 Gbit/s OOK THz signal delivery over 88 cm free-space at 441.504 GHz. Microwave and Optical Technology Letters, 2018, 60, 1435-1439.	0.9	10
151	Single-Carrier 400G Based on 84-GBaud PDM-8QAM Transmission over 2,125 km SSMF Enhanced by Pre-Equalization, LUT and DBP. , 2017, , .		10
152	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.	1.0	9
153	Transmission of 51.2 Gb/s 16 QAM single carrier signal in a MIMO radio-over-fiber system at W-band. Microwave and Optical Technology Letters, 2017, 59, 2870-2874.	0.9	9
154	Phase Factor Optimization for QPSK Signals Generated from MZM Based on Optical Carrier Suppression. IEEE Photonics Journal, 2017, 9, 1-6.	1.0	8
155	Simultaneous Generation of Wired and Wireless Signals Using a DP-MZM in a RoF System. IEEE Photonics Technology Letters, 2020, 32, 905-908.	1.3	8
156	400G/channel 50-GHz WDM Coherent Transmission: PS 64QAM versus Hybrid 32/64QAM. , 2019, , .		8
157	Carrier phase recovery friendly probabilistic shaping scheme based on a quasi-Maxwell-Boltzmann distribution model. Optics Letters, 2020, 45, 4883.	1.7	8
158	Transmission of High-Frequency Terahertz Band Signal Beyond 300 GHz Over Metallic Hollow Core Fiber. Journal of Lightwave Technology, 2022, 40, 700-707.	2.7	8
159	All-optical label swapping for same wavelength data switching using optical carrier suppression, separation and without regular wavelength converter. IEEE Photonics Technology Letters, 2005, 17, 1127-1129.	1.3	7
160	Super Broadband Optical Wireless over Optical Fiber Network Architecture. , 2006, , .		7
161	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.	1.0	7
162	A 2x2 MIMO Optical Wireless System at D-Band. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
163	Mitigation of SOA-Induced Nonlinearity With the Aid of Deep Learning Neural Networks. Journal of Lightwave Technology, 2022, 40, 979-986.	2.7	7
164	104-m Terahertz-Wave Wireless Transmission Employing 124.8-Gbit/s PS-256QAM Signal. , 2022, , .		7
165	Seamless Integration of a Fiber-THz Wireless-Fiber 2X2 MIMO Broadband Network. , 2018, , .		6
166	SSB Single Carrier and Multicarrier in C-Band FSO Transmission With KK Receiver. Journal of Lightwave Technology, 2020, 38, 5000-5007.	2.7	6
167	Scheme for optimizing a direct current component in a photonics-assisted OFDM MMW system. Optics Letters, 2021, 46, 6011.	1.7	6
168	81-GHz W-band 60-Gbps 64-QAM wireless transmission based on a dual-GRU equalizer. Optics Express, 2022, 30, 2364.	1.7	6
169	A Spectrum-Efficient MoF Architecture for Joint Sensing and Communication in B5G Based on Polarization Interleaving and Polarization-Insensitive Filtering. Journal of Lightwave Technology, 2022, 40, 6701-6711.	2.7	6
170	Bidirectional DPSK transmission of 16 Å– 10-Gb/s DWDM channels over 80-km SMF-28 using semiconductor optical amplifiers. Microwave and Optical Technology Letters, 2005, 46, 525-527.	0.9	5
171	Detecting burst-mode optical label or payload generated by OCSS technique using conventional receivers. IEEE Photonics Technology Letters, 2005, 17, 1567-1569.	1.3	5
172	Spectrally efficient single carrier 400G optical signal transmission. Frontiers of Optoelectronics, 2019, 12, 15-23.	1.9	5
173	The Best Modulation Format for Symmetrical Single-wavelength 50-Gb/s PON at O-band: PAM, CAP or DMT?. , 2021, , .		5
174	112 Gb/s/λ CAP Signals Transmission over 480 km in IM-DD System. , 2018, , .		5
175	160 Gb/s 256QAM Transmission in a 25 GHz Grid Using Kramers-Kronig Detection. , 2019, , .		5
176	352-Gbit/s single line rate THz wired transmission based on PS-4096QAM employing hollow-core fiber. Digital Communications and Networks, 2023, 9, 717-722.	2.7	5
177	Novel techniques for optical packet generation with high-spectral efficiency and high receiver sensitivity. , 2006, , .		4
178	A ROF downstream link with optical mm-wave generation using optical phase modulator for providing broadband optical-wireless access service. , 2006, , .		4
179	WDM Transmission of Single-Carrier 400G Based on Orthogonal OTDM 80-GBd PDM-8QAM. IEEE Photonics Journal, 2015, 7, 1-6.	1.0	4
180	W-Band 16QAM-Modulated SSB Photonic Vector Mm-Wave Signal Generation by One Single I/Q Modulator. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
181	Demonstration of 352-Gbit/s Single Line Rate PS-4096QAM THz Wired Transmission over Hollow-Core Fiber. , 2021, , .		4
182	Performance of DPSK and NRZ-OOK signals in a novel folded-path optical packet switch buffer. , 2005, , .		3
183	Performance characterization and optimization of high-speed ON-OFF optical-signal reflectors in a folded-path time-delay buffer. Journal of Lightwave Technology, 2006, 24, 365-379.	2.7	3
184	To extend delivery distance of the optical MM-wave generated by DSB modulation and vestigial sideband filtering. Microwave and Optical Technology Letters, 2006, 48, 1003-1004.	0.9	3
185	8×10 Gbit/s WDM repeaterless transmission over 240km SMF using modified duobinary RZ signals. , 2006, , .		3
186	A broadcast and multicast-enabled switch architecture utilizing a gateless channel selection scheme. , 2006, , .		3
187	10×100-Gb/s transmissions using optical carrier suppression and separation technique and RZ-DQPSK modulation for metro-ethernet transport system. , 2008, , .		3
188	Fiber“wireless“fiber link for 20-Gb/s QPSK signal delivery at W-band with DML for E/O conversion in wireless“fiber connection. Optics Communications, 2015, 354, 231-235.	1.0	3
189	Experimental Investigation on Fiber-Wireless MIMO System With Different LO at W Band. IEEE Photonics Journal, 2015, 7, 1-7.	1.0	3
190	A Joint Algorithm for Photonics-Aided Microwave-Communication System at K-Band. IEEE Photonics Technology Letters, 2018, 30, 1807-1810.	1.3	3
191	Polar Coded OFDM Signal Transmission at the W-Band in Millimeter-Wave System. IEEE Photonics Journal, 2019, 11, 1-6.	1.0	3
192	200-Gbit/s PAM4 Generation by a Dual-Polarization Mach-Zehnder Modulator Without DAC. IEEE Photonics Technology Letters, 2020, 32, 1223-1226.	1.3	3
193	QAM Vector mm-Wave Signal Generation Based on Optical Orthogonal Polarization SSB Scheme By a Single Modulator. Journal of Lightwave Technology, 2021, 39, 7628-7635.	2.7	3
194	The best modulation format for 100G short-reach and metro networks: DMT, PAM-4, CAP, or duobinary?. , 2018, , .		3
195	Bi-directional transmission of 8x10Gb/s DPSK signals over 80km of SMF-28 fiber using in-line semiconductor optical amplifier. , 0, , .		2
196	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
197	Instantaneous clock recovery for burst-mode optical label and payload by using a conventional data receiver. , 2005, , .		2
198	Repeaterless transmission of 10 Gbit/s MD-RZ signal over 300 km SMF-28 by using Raman amplification. , 2005, , .		2

#	ARTICLE	IF	CITATIONS
199	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.	2.7	2
200	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.	1.0	2
201	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.	0.9	2
202	Optical-wireless integration of W-band wireless and free-space optical links. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 561-563.	0.9	2
203	Antenna misalignment effects in 100 Gbit/s D-band wireless transmissions. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 1431-1434.	0.9	2
204	Broadband radio-over-fiber technologies for next-generation wireless systems. , 2020, , 979-1038.		2
205	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.	1.0	2
206	D-band vector signal generation based on OCS and SSB without an optical filter. <i>Optics Communications</i> , 2020, 464, 125520.	1.0	2
207	Transmission of Hybrid Probabilistically and Geometrically Shaped 256QAM at 49-Cbaud in a 50-GHz Spacing WDM System. , 2020, , .		2
208	56 Gbit/s PAM-4 IM/DD Transmission over 120 km SSMF at O-band Using Cascaded Semiconductor Optical Amplifiers for Data Center Interconnects. , 2020, , .		2
209	Demonstration of SOA-based IM/DD 1T (280Gbit/s – 4) PS-PAM8 Transmission over 40km SSMF at O-band. , 2020, , .		2
210	645-Gbit/s carrier PS-16QAM WDM Coherent Transmission over 6,800 km Using Modified LSTM Nonlinear Equalizer. , 2021, , .		2
211	Numerical and experimental study of an alternate multiwavelength mode-locked fiber ring laser. , 2006, , .		1
212	Novel optical-wireless access network architecture for providing broadband wireless and wired services. , 2006, , .		1
213	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.	0.9	1
214	Large-capacity long-distance wireless mm-wave signal delivery at W-band. , 2015, , .		1
215	Optimal phase threshold for D-band vector millimeter-wave system with frequency sextupled. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 2627-2630.	0.9	1
216	D-band signal generation without optical filter based on Carrier Suppressed Frequency Eightfold. <i>Optics Communications</i> , 2020, 465, 125540.	1.0	1

#	ARTICLE	IF	CITATIONS
217	Application of Probabilistic Shaping Technology in Terahertz Communication. , 2021, , 155-173.		1
218	Advances in Photonics Assisted Terahertz Wireless Communication System. , 2021, , .		1
219	Spectral efficient DWDM optical label generation and transport for next generation internet. , 0, , .		0
220	Wavelength conversion through the spectrum separation of higher-order solitons. , 0, , .		0
221	Spectral efficient DWDM optical label switching technologies. , 0, , .		0
222	Label erasure using an imbalanced NOLM and its application in a 40Gbit/s label switching optical network. , 2005, , .		0
223	Performance of 40 Gbps signals in a folded-path optical delay buffer. , 2005, , .		0
224	High-efficiency, all-optical wavelength conversion without spectrum inversion for optical switching networks. , 2005, , .		0
225	WDM reconfigurable optical delay buffer for optical packet switched networks. , 2006, , .		0
226	Study on QPSK vector signal generation and transmission based on Turbo equalization. , 2015, , .		0
227	Application of Chirp-managed laser and bits-interleaving in digital mobile fronthaul. , 2018, , .		0
228	Basic Algorithms and Experimental Verification of Multi-carrier Terahertz Communication. , 2021, , 67-98.		0
229	Demonstration of 200 Gbit/s Single $\hat{\lambda}$ Dual Band DMT Transmission With a SE of 6.29 bit/s/Hz. Journal of Lightwave Technology, 2021, 39, 2754-2761.	2.7	0
230	Frequency-Stable Photogenerated Vector Terahertz Signal Generation. , 2021, , 131-154.		0
231	Comparison of DFT-S-orthogonal frequency division multiplexing and single-carrier in a radio-over-fiber system. Optical Engineering, 2017, 56, 1.	0.5	0
232	Carrierless Amplitude and Phase Modulation. , 2020, , 253-279.		0
233	Kramers-Kronig Receiver in Direct Detection Systems. , 2020, , 523-542.		0
234	Demonstration of High-Speed 4096QAM Millimeter-Wave Signal Wireless Transmission at E and D-bands. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
235	40-Gbit/s W-band Signal Delivery over 4600-m Wireless Distance Employing Advanced DSPs. , 2022, , .		0