Feng Zhao

List of Publications by Year
in descending order

38 papers	518 citations	623734 14 h-index	713466 21 g-index
38 all docs	38 docs citations	38 times ranked	328 citing authors

#	Article	IF	Citations
1	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.	5.0	5
2	Transmission of High-Frequency Terahertz Band Signal Beyond 300 GHz Over Metallic Hollow Core Fiber. Journal of Lightwave Technology, 2022, 40, 700-707.	4.6	8
3	W-band simultaneous vector signal generation and radar detection based on photonic frequency quadrupling. Optics Letters, 2022, 47, 537.	3.3	20
4	Integrated High-Resolution Radar and Long-Distance Communication Based-on Photonic in Terahertz Band. Journal of Lightwave Technology, 2022, 40, 2731-2738.	4.6	20
5	Complex-Valued 2D-CNN Equalization for OFDM Signals in a Photonics-Aided MMW Communication System at the D-Band. Journal of Lightwave Technology, 2022, 40, 2791-2798.	4.6	13
6	Joint communication and radar sensing functions system based on photonics at the W-band. Optics Express, 2022, 30, 13404.	3.4	13
7	104 Meters Photonics-Aided Terahertz Wireless Transmission Without Terahertz Amplifier. IEEE Photonics Technology Letters, 2022, 34, 858-861.	2.5	11
8	Probabilistic shaping with pre-equalization in W-band MM-wave communication system with heterodyne coherent detection. Optical Fiber Technology, 2021, 61, 102345.	2.7	2
9	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.	4.6	18
10	Comparison of Real- and Complex-Valued NN Equalizers for Photonics-Aided 90-Gbps D-band PAM-4 Coherent Detection. Journal of Lightwave Technology, 2021, 39, 6858-6868.	4.6	22
11	Geometric attenuation factor based on scattering theory from randomly rough surface. Applied Optics, 2021, 60, 476.	1.8	7
12	Demonstration of 200 Gbit/s Single Î» Dual Band DMT Transmission With a SE of 6.29 bit/s/Hz. Journal of Lightwave Technology, 2021, 39, 2754-2761.	4.6	0
13	High Spectral Efficiency WDM Transmission Based on Hybrid Probabilistically and Geometrically Shaped 256QAM. Journal of Lightwave Technology, 2021, 39, 5494-5501.	4.6	23
14	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.	4.6	3
15	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.	4.6	16
16	Photonics-assisted joint high-speed communication and high-resolution radar detection system. Optics Letters, 2021, 46, 6103.	3.3	13
17	Demonstration of High-Speed 4096QAM Millimeter-Wave Signal Wireless Transmission at E and D-bands. , 2021, , .		0
18	SOA Pre-Amplified 100 Gb/s/Î» PAM-4 TDM-PON Downstream Transmission Using 10 Gbps O-Band Transmitters. Journal of Lightwave Technology, 2020, 38, 185-193.	4.6	30

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19	D-band vector signal generation based on OCS and SSB without an optical filter. Optics Communications, 2020, 464, 125520.	2.1	2
20	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.	4.6	29
21	D-band Millimeter Wave Generation and Transmission Though Radio-Over-Fiber System. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	11
22	135-GHz D-Band 60-Gbps PAM-8 Wireless Transmission Employing a Joint DNN Equalizer With BP and CMMA. Journal of Lightwave Technology, 2020, 38, 3592-3601.	4.6	25
23	High-Efficiency Wavelet Compressive Fusion for Improving MEMS Array Performance. Sensors, 2020, 20, 1662.	3.8	4
24	D-Band mm-Wave SSB Vector Signal Generation Based on Cascaded Intensity Modulators. IEEE Photonics Journal, 2020, 12, 1-11.	2.0	7
25	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.	2.5	27
26	Transmission of Hybrid Probabilistically and Geometrically Shaped 256QAM at 49-Gbaud in a 50-GHz Spacing WDM System. , 2020, , .		2
27	Effective nested Kalman fusion for improving microelectromechanical system array performance. Measurement Science and Technology, 2020, 31, 115109.	2.6	2
28	80-GHz RoF Based on Pushâ€“Pull Modulator. IEEE Photonics Journal, 2019, 11, 1-6.	2.0	2
29	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.	2.0	7
30	Four Sub-Channel Single Sideband Generation of Vector mm-Wave Based on an I/Q Modulator. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	14
31	W-band PAM-4 wireless delivery employing intensity modulation and coherent detection based on CMMA equalization. , 2019, , .		1
32	Polar Coded OFDM Signal Transmission at the W-Band in Millimeter-Wave System. IEEE Photonics Journal, 2019, 11, 1-6.	2.0	3
33	1-Tb/s Millimeter-Wave Signal Wireless Delivery at D-Band. Journal of Lightwave Technology, 2019, 37, 196-204.	4.6	77
34	An algorithm of computing 3D geometric attenuation factor. Optics Express, 2019, 27, 2056.	3.4	6
35	Pixel response model for a division of focal plane polarimeter. Applied Optics, 2019, 58, 8109.	1.8	4
36	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.	4.6	34

#	Article	IF	Citations
37	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.	4.6	21
38	1-Tb/s Photonics-aided Vector Millimeter-Wave Signal Wireless Delivery at D-Band. , 2018, , .		16