

Zhennan Zheng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Optical-controlled Fast Switching of Radio Frequency Orbital Angular Momentum Beams With Different Mode and Radiation Direction. Journal of Lightwave Technology, 2022, 40, 640-646.	4.6	7
2	DC Restoration by Data-Aided Sequence in Kramers-Kronig Receiver. IEEE Photonics Journal, 2022, 14, 1-7.	2.0	2
3	Secure Transmission of Radio Orbital Angular Momentum Beams Based on the Frequency Diverse Array. IEEE Access, 2021, 9, 108924-108931.	4.2	4
4	Analog radio of fiber link of 2-Gbaud OOK/BPSK radio frequency-orbital angular momentum beam transmission over 19.4 km. Optics Express, 2021, 29, 2124.	3.4	2
5	Photonics Generation of Baseband-Free Arbitrary-Phase-Coded Microwave Waveform Pulse. IEEE Photonics Technology Letters, 2021, 33, 457-460.	2.5	6
6	Research on the Purity of Orbital Angular Momentum Beam Generated by Imperfect Uniform Circular Array. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 968-972.	4.0	10
7	Data-aided channel equalization scheme for FAST radio over fiber transmission system. Optics Express, 2021, 29, 24525.	3.4	0
8	Generation of rotational orbital angular momentum beams in the radio frequency based on an optical-controlled circular antenna array. Optics Express, 2021, 29, 23717.	3.4	8
9	High Modulation Efficiency and Dynamic Range Optical Single Sideband Modulation Without Gain Penalty in Nonlinear Distortion Suppression. Journal of Lightwave Technology, 2021, 39, 7940-7947.	4.6	2
10	Large Dynamic Range Microwave Photonic Phase Shifter Based on Multi-order Sidebands Optical Spectrum Vector Process Technique. , 2021, , .		0
11	Anti-dispersion distributed multi-output microwave photonic phase shifter. , 2021, , .		0
12	Misalignment Measurement of Orbital Angular Momentum Signal Based on Spectrum Analysis and Image Processing. IEEE Transactions on Antennas and Propagation, 2020, 68, 521-526.	5.1	17
13	High Power Efficiency and Dynamic Range Analog Photonic Link with Suppressed Dispersion-Induced Power Fading. Journal of Lightwave Technology, 2020, 38, 5973-5980.	4.6	9
14	Wideband and Dispersion Immune Microwave Photonic Phase Shifter With Tunable Optical Carrier to Sideband Ratio. Journal of Lightwave Technology, 2020, 38, 5262-5269.	4.6	12
15	Photonics Generation of Pulsed Arbitrary-Phase-Coded Microwave Signals Based on the Conversion Between Intensity Modulation and Phase Modulation. Journal of Lightwave Technology, 2020, 38, 1243-1249.	4.6	6
16	Chromatic Dispersion Immune Photonic Microwave Frequency Shift Keying Pulse Generator. , 2020, , .		0
17	Optical-controlled Fast Switching of Radio Frequency Orbital Angular Momentum Beams with Different Modes and Steering Directions. , 2020, , .		1
18	Photonic microwave frequency shift keying signals generation based on a PM-DMZM. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Photonics-Assisted Super-Octave Microwave Phase Shifter. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	1
20	A Chirp-Rate-Tunable Microwave Photonic Pulse Compression System for Multi-Octave Linearly Chirped Microwave Waveform. IEEE Photonics Journal, 2019, 11, 1-13.	2.0	4
21	All-optical multi-octave microwave phase shifter. Optik, 2019, 180, 675-683.	2.9	2
22	All-optical generation of binary phase-coded microwave pulses without baseband components based on a dual-parallel Mach-Zehnder modulator. Optics Express, 2019, 27, 20064.	3.4	11
23	Photonic generation of background-free binary and quaternary phase-coded microwave pulses based on vector sum. Optics Express, 2019, 27, 20774.	3.4	13
24	Broadband chromatic-dispersion-induced power-fading compensation for radio-over-fiber links based on Hilbert transform. Optics Letters, 2019, 44, 155.	3.3	18
25	2D optically controlled radio frequency orbital angular momentum beam steering system based on a dual-parallel Mach-Zehnder modulator. Optics Letters, 2019, 44, 255.	3.3	22
26	Optical network solution to the synchronization of distributed coherent aperture radar. Optics Letters, 2019, 44, 2121.	3.3	11
27	Equivalent photonic switch for microwave frequency shift keying signal generation. Optics Letters, 2019, 44, 3138.	3.3	9
28	A compact complex-coefficient microwave photonic filter with continuous tunability. Chinese Optics Letters, 2019, 17, 100601.	2.9	0
29	Chromatic dispersion immune microwave photonic phase shifter based on double-sideband modulation. Optics Letters, 2019, 44, 4503.	3.3	8
30	A Microwave Photonics Phase Synchronization Network for Distributed Coherent Aperture Radar. , 2018, , .		0
31	Low-Complexity Time Domain Equalizer for Multicarrier Offset-QAM Systems. , 2018, , .		0
32	A Reconfigurable Optical Frequency Comb Generator with 35 Flat Comb Lines. , 2018, , .		2
33	Low-Complexity Equalization Scheme for Multicarrier Offset-QAM Systems. IEEE Photonics Technology Letters, 2017, 29, 2075-2078.	2.5	7
34	144 Tb/s free-space IM-DD transmission employing OAM multiplexing and PDM. Optics Express, 2016, 24, 3967.	3.4	34
35	Fiber Nonlinearity Mitigation in 32-Gbaud 16QAM Nyquist-WDM Systems. Journal of Lightwave Technology, 2016, 34, 2182-2187.	4.6	17
36	Coherent Detection-Based Automatic Bias Control of Mach-Zehnder Modulators for Various Modulation Formats. Journal of Lightwave Technology, 2014, 32, 2502-2509.	4.6	21

#	ARTICLE	IF	CITATIONS
37	176Tb/s Nyquist PDM 16QAM signal transmission over 714km SSMF with the modified SCFDE technique. Optics Express, 2013, 21, 17505.	3.4	16