Zhennan Zheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6373934/publications.pdf

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37	282	840776 11	940533 16
papers	citations	h-index	g-index

37	37	37	234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	1 Î» Ã— 144 Tb/s free-space IM-DD transmission employing OAM multiplexing and PDM. Optics Express, 2016, 24, 3967.	3.4	34
2	2D optically controlled radio frequency orbital angular momentum beam steering system based on a dual-parallel Machâ€“Zehnder modulator. Optics Letters, 2019, 44, 255.	3.3	22
3	Coherent Detection-Based Automatic Bias Control of Machâ€“Zehnder Modulators for Various Modulation Formats. Journal of Lightwave Technology, 2014, 32, 2502-2509.	4.6	21
4	Broadband chromatic-dispersion-induced power-fading compensation for radio-over-fiber links based on Hilbert transform. Optics Letters, 2019, 44, 155.	3.3	18
5	Fiber Nonlinearity Mitigation in 32-Gbaud 16QAM Nyquist-WDM Systems. Journal of Lightwave Technology, 2016, 34, 2182-2187.	4.6	17
6	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
7	176Tb/s Nyquist PDM 16QAM signal transmission over 714km SSMF with the modified SCFDE technique. Optics Express, 2013, 21, 17505.	3.4	16
8	Photonic generation of background-free binary and quaternary phase-coded microwave pulses based on vector sum. Optics Express, 2019, 27, 20774.	3.4	13
9	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
10	All-optical generation of binary phase-coded microwave pulses without baseband components based on a dual-parallel Machâ€“Zehnder modulator. Optics Express, 2019, 27, 20064.	3.4	11
11	Optical network solution to the synchronization of distributed coherent aperture radar. Optics Letters, 2019, 44, 2121.	3.3	11
12	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
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	Equivalent photonic switch for microwave frequency shift keying signal generation. Optics Letters, 2019, 44, 3138.	3.3	9
15	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
16	Chromatic dispersion immune microwave photonic phase shifter based on double-sideband modulation. Optics Letters, 2019, 44, 4503.	3.3	8
17	Low-Complexity Equalization Scheme for Multicarrier Offset-QAM Systems. IEEE Photonics Technology Letters, 2017, 29, 2075-2078.	2.5	7
18	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

#	Article	IF	Citations
19	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
20	Photonics Generation of Baseband-Free Arbitrary-Phase-Coded Microwave Waveform Pulse. IEEE Photonics Technology Letters, 2021, 33, 457-460.	2.5	6
21	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
22	Secure Transmission of Radio Orbital Angular Momentum Beams Based on the Frequency Diverse Array. IEEE Access, 2021, 9, 108924-108931.	4.2	4
23	A Reconfigurable Optical Frequency Comb Generator with 35 Flat Comb Lines. , 2018, , .		2
24	All-optical multi-octave microwave phase shifter. Optik, 2019, 180, 675-683.	2.9	2
25	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
26	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
27	DC Restoration by Data-Aided Sequence in Kramers-Kronig Receiver. IEEE Photonics Journal, 2022, 14, 1-7.	2.0	2
28	Photonics-Assisted Super-Octave Microwave Phase Shifter. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	1
29	Optical-controlled Fast Switching of Radio Frequency Orbital Angular Momentum Beams with Different Modes and Steering Directions. , 2020, , .		1
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	Photonic microwave frequency shift keying signals generation based on a PM-DMZM. , 2019, , .		0
33	Data-aided channel equalization scheme for FAST radio over fiber transmission system. Optics Express, 2021, 29, 24525.	3.4	0
34	A compact complex-coefficient microwave photonic filter with continuous tunability. Chinese Optics Letters, 2019, 17, 100601.	2.9	0
35	Chromatic Dispersion Immune Photonic Microwave Frequency Shift Keying Pulse Generator. , 2020, , .		0
36	Large Dynamic Range Microwave Photonic Phase Shifter Based on Multi-order Sidebands Optical Spectrum Vector Process Technique. , 2021, , .		0

#	Article	IF	Citations
37	Anti-dispersion distributed multi-output microwave photonic phase shifter. , 2021, , .		0