Chen Zhu

List of Publications by Year
in descending order

38 papers	403 citations	759233 12 h-index	794594 19 g-index
38 all docs	38 docs citations	38 times ranked	347 citing authors

#	Article	IF	Citations
1	Statistical moments-based OSNR monitoring for coherent optical systems. Optics Express, 2012, 20, 17711.	3.4	54
2	Sub-GHz-resolution C-band Nyquist-filtering interleaver on a high-index-contrast photonic integrated circuit. Optics Express, 2016, 24, 5715.	3.4	33
3	8$,imes,$40-Gb/s Optical Coherent Pol-Mux Single Carrier System With Frequency Domain Equalization and Training Sequences. IEEE Photonics Technology Letters, 2012, 24, 885-887.	2.5	22
4	Experimental Layered/Enhanced ACO-OFDM Short-Haul Optical Fiber Link. IEEE Photonics Technology Letters, 2016, 28, 2815-2818.	2.5	22
5	Data-Aided Chromatic Dispersion Estimation for Polarization Multiplexed Optical Systems. IEEE Photonics Journal, 2012, 4, 2037-2049.	2.0	21
6	Nyquist-Filtering (De)Multiplexer Using a Ring Resonator Assisted Interferometer Circuit. Journal of Lightwave Technology, 2016, 34, 1732-1738.	4.6	20
7	Unscented Kalman filters for polarization state tracking and phase noise mitigation. Optics Express, 2016, 24, 22282.	3.4	19
8	Multipass Performance of a Chip-Enhanced WSS for Nyquist-WDM Sub-Band Switching. Journal of Lightwave Technology, 2016, 34, 1824-1830.	4.6	18
9	Improved polarization dependent loss tolerance for polarization multiplexed coherent optical systems by polarization pairwise coding. Optics Express, 2015, 23, 27434.	3.4	17
10	Hardware-efficient signal generation of layered/enhanced ACO-OFDM for short-haul fiber-optic links. Optics Express, 2017, 25, 13359.	3.4	17
11	Photonic Circuit Topologies for Optical OFDM and Nyquist WDM. Journal of Lightwave Technology, 2017, 35, 781-791.	4.6	14
12	Digital Signal Processing for Training-Aided Coherent Optical Single-Carrier Frequency-Domain Equalization Systems. Journal of Lightwave Technology, 2014, 32, 4712-4722.	4.6	13
13	Nyquist-WDM With Low-Complexity Joint Matched Filtering and Adaptive Equalization. IEEE Photonics Technology Letters, 2014, 26, 2323-2326.	2.5	12
14	Data-Aided OSNR Estimation Using Low-Bandwidth Coherent Receivers. IEEE Photonics Technology Letters, 2014, 26, 1291-1294.	2.5	12
15	Systems performance comparison of three all-optical generation schemes for quasi-Nyquist WDM. Optics Express, 2015, 23, 21706.	3.4	11
16	Frequency-Domain Blind Equalization for Long-Haul Coherent Pol-Mux 16-QAM System With CD Prediction and Dual-Mode Adaptive Algorithm. IEEE Photonics Journal, 2012, 4, 1653-1661.	2.0	10
17	Distributed Nonlinearity Compensation of Dual-Polarization Signals Using Optoelectronics. IEEE Photonics Technology Letters, 2016, 28, 2141-2144.	2.5	10
18	Subband Pairwise Coding for Robust Nyquist-WDM Superchannel Transmission. Journal of Lightwave Technology, 2016, 34, 1746-1753.	4.6	8

#	Article	IF	Citations
19	Optical performance monitoring for OFDM using low bandwidth coherent receivers. Optics Express, 2012, 20, 28724.	3.4	7
20	All-optical generation of DFT-S-OFDM superchannels using periodic sinc pulses. Optics Express, 2014, 22, 27026.	3.4	6
21	Nyquist pulse shaping using arrayed waveguide grating routers. Optics Express, 2016, 24, 22357.	3.4	6
22	Low-Complexity Fractionally-Spaced Frequency Domain Equalization with Improved Channel Estimation for Long-Haul Coherent Optical Systems. , 2013, , .		6
23	Improved two-stage equalization for coherent Pol-Mux QPSK and 16-QAM systems. Optics Express, 2012, 20, B141.	3.4	5
24	Doubling the ROADM Sites using Pairwise Coding for 4%-Guard-Band Superchannels. , 2016, , .		5
25	Applying implicit training to polarization-division-multiplexed coherent optical systems. Optics Express, 2013, 21, 20187.	3.4	4
26	Training-Aided Coherent Optical Single-Carrier System With Improved Nonlinearity Tolerance. IEEE Photonics Technology Letters, 2014, 26, 1211-1214.	2.5	4
27	Faster-than-Nyquist DFT-S-OFDM using Overlapping Sub-Bands and Duobinary Filtering. , 2015, , .		4
28	Banded all-optical OFDM super-channels with low-bandwidth receivers. Optics Express, 2016, 24, 17968.	3.4	4
29	Optical generation of Nyquist-spacing super-channel using a ring resonator-based flat-top interleaver. , 2015, , .		3
30	Sub-band pairwise coding for inter-channel-interference mitigation in superchannel transmission systems. , 2015, , .		3
31	Widely-tunable low-phase-noise coherent receiver using an optical Wadley loop. Optics Express, 2015, 23, 19891.	3.4	3
32	Folded orthogonal frequency division multiplexing. Optics Express, 2016, 24, 29670.	3.4	2
33	Pairwise Coding to Mitigate Polarization Dependent Loss. , 2015, , .		2
34	Nyquist-WDM Channel Generation using an Arrayed Waveguide Grating Router. , 2016, , .		2
35	Two-stage frequency domain blind equalization for coherent pol-mux 16-QAM system with CD prediction and dual-mode adaptive algorithm. , 2012, , .		1
36	Frequency domain multi-modulus blind equalization for coherent 16 QAM polarization-multiplexed system. , 2012, , .		1

#	Article	IF	Citations
37	A wavelength selective switch for optical add/drop multiplexing of sub-bands within Nyquist WDM super-channels. , 2015, , .		1
38	Investigation of Performance-Enhanced ROADMs for N-WDM Superchannels Carrying High-Order QAM. , 2016, , .		1