Ze Dong

List of Publications by Year
in descending order

86 papers	2,327 citations	201385 27 h-index	223531 46 g-index
87 all docs	87 docs citations	87 times ranked	1298 citing authors

#	Article	IF	Citations
1	Fiber-wireless transmission system of 108â€‰â€‰Gb/sdata over 80Âkm fiber and 2Ã—2multiple-input multiple-output wireless links at 100ÂGHz W-band frequency. Optics Letters, 2012, 37, 5106.	1.7	194
2	Multichannel 120-Gb/s Data Transmission Over 2$,imes,$2 MIMO Fiber-Wireless Link at W-Band. IEEE Photonics Technology Letters, 2013, 25, 780-783.	1.3	151
3	A 400G optical wireless integration delivery system. Optics Express, 2013, 21, 18812.	1.7	141
4	Cost-Effective Optical Millimeter Technologies and Field Demonstrations for Very High Throughput Wireless-Over-Fiber Access Systems. Journal of Lightwave Technology, 2010, 28, 2376-2397.	2.7	112
5	Direct-Detection Optical OFDM Transmission System Without Frequency Guard Band. IEEE Photonics Technology Letters, 2010, 22, 736-738.	1.3	103
6	11 Ã— 5 Ã— 93Gb/s WDM-CAP-PON based on optical single-side band multi-level multi-band carrier-less amplitude and phase modulation with direct detection. Optics Express, 2013, 21, 18842.	1.7	92
7	Dual-Wavelength Single-Longitudinal-Mode Tm-Doped Fiber Laser Using PM-CMFBG. IEEE Photonics Technology Letters, 2015, 27, 951-954.	1.3	78
8	Fiber-Wireless Transmission System of PDM-MIMO-OFDM at 100 GHz Frequency. Journal of Lightwave Technology, 2013, 31, 2394-2399.	2.7	65
9	Simplified coherent receiver with heterodyne detection of eight-channel 50â€‰â€‰Gb/s PDM-QPSK WDM signal after 1040Âkm SMF-28 transmission. Optics Letters, 2012, 37, 4050.	1.7	62
10	Generation of Coherent and Frequency-Locked Multi-Carriers Using Cascaded Phase Modulators for 10 Tb/s Optical Transmission System. Journal of Lightwave Technology, 2012, 30, 458-465.	2.7	58
11	Multi-Modulus Blind Equalizations for Coherent Quadrature Duobinary Spectrum Shaped PM-QPSK Digital Signal Processing. Journal of Lightwave Technology, 2013, 31, 1073-1078.	2.7	55
12	Transmission of 8 Ã— 480-Gb/s super-Nyquist-filtering 9-QAM-like signal at 100 GHz-grid over 5000-km SMF-28 and twenty-five 100 GHz-grid ROADMs. Optics Express, 2013, 21, 15686.	1.7	53
13	Transmission of 200 G PDM-CSRZ-QPSK and PDM-16 QAM With a SE of 4 b/s/Hz. Journal of Lightwave Technology, 2013, 31, 515-522.	2.7	46
14	1.96 Tb/s (21$,imes,$100 Gb/s) OFDM Optical Signal Generation and Transmission Over 3200-km Fiber. IEEE Photonics Technology Letters, 2011, 23, 1061-1063.	1.3	43
15	Experimental Demonstration of 48-Gb/s PDM-QPSK Radio-Over-Fiber System Over 40-GHz mm-Wave MIMO Wireless Transmission. IEEE Photonics Technology Letters, 2012, 24, 2276-2279.	1.3	43
16	6$,imes,$144-Gb/s Nyquist-WDM PDM-64QAM Generation and Transmission on a 12-GHz WDM Grid Equipped With Nyquist-Band Pre-Equalization. Journal of Lightwave Technology, 2012, 30, 3687-3692.	2.7	42
17	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
18	Demonstration of DFT-spread 256QAM-OFDM signal transmission with cost-effective directly modulated laser. Optics Express, 2014, 22, 8742.	1.7	39

#	Article	IF	Citations
19	Tunable Dual-Wavelength Thulium-Doped Fiber Laser by Employing a HB-FBG. IEEE Photonics Technology Letters, 2014, 26, 1809-1812.	1.3	39
20	Performance Assessment of Noise-Suppressed Nyquist-WDM for Terabit Superchannel Transmission. Journal of Lightwave Technology, 2012, 30, 3965-3971.	2.7	38
21	Field Transmission of 100 G and Beyond: Multiple Baud Rates and Mixed Line Rates Using Nyquist-WDM Technology. Journal of Lightwave Technology, 2012, 30, 3793-3804.	2.7	37
22	Doubling transmission capacity in optical wireless system by antenna horizontal- and vertical-polarization multiplexing. Optics Letters, 2013, 38, 2125.	1.7	35
23	Multi-channel multi-carrier generation using multi-wavelength frequency shifting recirculating loop. Optics Express, 2012, 20, 21833.	1.7	33
24	Ultra-dense WDM-PON delivering carrier-centralized Nyquist-WDM uplink with digital coherent detection. Optics Express, 2011, 19, 11100.	1.7	31
25	7-Tb/s $(7imes1.284~{m Tb}/{m s}/{m ch})$ Signal Transmission Over 320 km Using PDM-64QAM Modulation. IEEE Photonics Technology Letters, 2012, 24, 264-266.	1.3	29
26	Optical independent-sideband modulation for bandwidth-economic coherent transmission. Optics Express, 2014, 22, 9465.	1.7	28
27	6$,imes,$128-Gb/s Nyquist-WDM PDM-16QAM Generation and Transmission Over 1200-km SMF-28 With SE of 7.47 b/s/Hz. Journal of Lightwave Technology, 2012, 30, 4000-4005.	2.7	27
28	A Novel Radio-Over-Fiber System Based on Carrier Suppressed Frequency Eightfold Millimeter Wave Generation. IEEE Photonics Journal, 2017, 9, 1-6.	1.0	26
29	Seamless integration of 572-Gb/s signal wireline transmission and 100-GHz wireless delivery. Optics Express, 2012, 20, 24364.	1.7	25
30	Digital Nonlinear Compensation Based on the Modified Logarithmic Step Size. Journal of Lightwave Technology, 2013, 31, 3546-3555.	2.7	25
31	Photonic microwave-signal-mixing technique using phase-coherent orthogonal optical carriers for radio-over-fiber application. Optics Letters, 2014, 39, 5263.	1.7	25
32	Optical Front-Ends to Generate Optical Millimeter-Wave Signal in Radio-Over-Fiber Systems With Different Architectures. Journal of Lightwave Technology, 2007, 25, 3381-3387.	2.7	23
33	Generation of full C-band coherent and frequency-lock multi-carriers by using recirculating frequency shifter loops based on phase modulator with external injection. Optics Express, 2011, 19, 26370.	1.7	21
34	7$,imes,$224 Gb/s/ch Nyquist-WDM Transmission Over 1600-km SMF-28 Using PDM-CSRZ-QPSK Modulation. IEEE Photonics Technology Letters, 2012, 24, 1157-1159.	1.3	21
35	Very-High-Throughput Coherent Ultradense WDM-PON Based on Nyquist-ISB Modulation. IEEE Photonics Technology Letters, 2015, 27, 763-766.	1.3	21
36	Heterodyne coherent detection of WDM PDM-QPSK signals with spectral efficiency of 4b/s/Hz. Optics Express, 2013, 21, 8808.	1.7	20

#	Article	IF	Citations
37	Integration of 112-Gb/s PDM-16QAM Wireline and Wireless Data Delivery in Millimeter Wave RoF System. , 2013, , .		20
38	W-band simultaneous vector signal generation and radar detection based on photonic frequency quadrupling. Optics Letters, 2022, 47, 537.	1.7	20
39	Polarization insensitive all-optical up-conversion for ROF systems based on parallel pump FWM in a SOA. Optics Express, 2009, 17, 6962.	1.7	19
40	Generation and transmission of 8 Ã— 112-Gb/s WDM PDM-16QAM on a 25-GHz grid with simplified heterodyne detection. Optics Express, 2013, 21, 1773.	1.7	19
41	8$,imes,$9.95-Gb/s Ultra-Dense WDM-PON on a 12.5-GHz Grid With Digital Pre-Equalization. IEEE Photonics Technology Letters, 2013, 25, 194-197.	1.3	18
42	LDPC-coded DFT-Spread DMT signal transmission employing probabilistic shaping 16/32QAM for optical interconnection. Optics Express, 2019, 27, 9821.	1.7	18
43	The reduction of the LO number for heterodyne coherent detection. Optics Express, 2012, 20, 29613.	1.7	16
44	Joint Digital Preequalization for Spectrally Efficient Super Nyquist-WDM Signal. Journal of Lightwave Technology, 2013, 31, 3237-3242.	2.7	16
45	DMT Transmission in Short-Reach Optical Interconnection Employing a Novel Bit-Class Probabilistic Shaping Scheme. Journal of Lightwave Technology, 2021, 39, 98-104.	2.7	16
46	Robust 9-QAM digital recovery for spectrum shaped coherent QPSK signal. Optics Express, 2013, 21, 7216.	1.7	14
47	Generation of a frequency sextupled optical millimeter wave with a suppressed central carrier using one single-electrode modulator. Optical Fiber Technology, 2014, 20, 533-536.	1.4	14
48	Orthogonal Single-Sideband Signal Generation Using Improved Sagnac-Loop-Based Modulator. IEEE Photonics Technology Letters, 2014, 26, 2229-2231.	1.3	14
49	A Novel CAP-WDM-PON Employing Multi-Band DFT-Spread DMT Signals Based on Optical Hilbert-Transformed SSB Modulation. IEEE Access, 2019, 7, 29397-29404.	2.6	14
50	Multichannel optical frequency-locked multicarrier source generation based on multichannel recirculation frequency shifter loop. Optics Letters, 2012, 37, 4714.	1.7	13
51	64QAM Vector Radio-Frequency Signal Generation Based on Phase Precoding and Optical Carrier Suppression Modulation. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	13
52	Photonics-assisted joint high-speed communication and high-resolution radar detection system. Optics Letters, 2021, 46, 6103.	1.7	13
53	Multiservice Wireless Transport Over RoF Link With Colorless BS Using PolM-to-IM Convertor. IEEE Photonics Technology Letters, 2015, 27, 403-406.	1.3	12
54	Enhancement of Spectral Efficiency and Power Budget in WDN-PON Employing LDPC-Coded Probabilistic Shaping PAM8. IEEE Access, 2020, 8, 45766-45773.	2.6	12

#	Article	IF	Citations
55	Nonlinear compensation and crosstalk suppression for 4 Ã— 1608Gb/s WDM PDM-QPSK signal with heterodyne detection. Optics Express, 2013, 21, 9230.	1.7	11
56	Photonics Millimeter-Wave Generation in the E-Band and Bidirectional Transmission. IEEE Photonics Journal, 2013, 5, 7900107-7900107.	1.0	11
57	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
58	DFT-Spread DMT-WDM-PON Employing LDPC-Coded Probabilistic Shaping 16 QAM. Journal of Lightwave Technology, 2020, 38, 714-722.	2.7	9
59	Probabilistic Shaping 44QAM Based on Many-to-One Mapping in DMT-WDM-PON. IEEE Photonics Technology Letters, 2020, 32, 639-642.	1.3	9
60	LDPC-coded Probabilistic Shaping PAM4 Based on Many-to-One Mapping in WDM-PON. Journal of Lightwave Technology, 2020, , 1-1.	2.7	8
61	Improved multi-channel multi-carrier generation using gain-independent multi-channel frequency shifting recirculating loop. Optics Express, 2012, 20, 29599.	1.7	7
62	Performance Improvement by Pre-equalization in W-band (75â€“110GHz) RoF System. , 2013, , .		7
63	Theoretical and experimental study on wavelength conversion based on FWM for PDMâ€“QPSK signals with digital coherent detection in HNLF. Optics Communications, 2014, 316, 161-167.	1.0	6
64	Field Trial Nyquist-WDM Transmission of 8#x000D7;216.4Gb/s PDM-CSRZ-QPSK Exceeding 4b/s/Hz Spectral Efficiency. , 2012, , .		6
65	LDPC-Coded Probabilistic Shaping PAM8 Employing a Novel Bit-Weighted Distribution Matching in WDM-PON. Journal of Lightwave Technology, 2020, 38, 4641-4647.	2.7	5
66	WDM transmission of 1084-Gbaud PDM-QPSK signals (40 Ã— 4336-Gb/s) over 2800-km SMF-28 with EDFA-only. Optics Express, 2012, 20, B217.	1.7	4
67	Real-time dual-band wireless videos in millimeter-wave radio-over-fiber system. Optical Fiber Technology, 2013, 19, 529-532.	1.4	4
68	Bandwidth-Efficient Modulation for Hybrid 10G/100G Optical Communication Networks. IEEE Photonics Technology Letters, 2016, 28, 469-472.	1.3	4
69	Low-complexity probabilistic shaping based on bit-weighted distribution matching in DMT-WDM-PON. Optics Express, 2020, 28, 21814.	1.7	4
70	Symbol division multiplexing in optical fiber communication systems. Optics Express, 2022, 30, 14998.	1.7	4
71	Photonics Millimeter-wave Generation in the E-band (66~88GHz) and Bi-directional Transmission. , 2013, , .		3
72	Delivering Dual Polarization-Division-Multiplexing Millimeter-Wave Signals at W-Band by One Pair of Antennas. IEEE Photonics Journal, 2019, 11, 1-10.	1.0	3

#	Article	IF	Citations
73	Non-overlapping downlink and uplink wavelength reuse in WDM-PON employing microwave photonic techniques. , 2014, , .		2
74	A bandwidth-efficient coherent ultra-dense WDM-PON based on Nyquist independent-sideband modulation. , 2014, , .		2
75	Multi modulus Blind Equalizations for Coherent Spectrum Shaped PolMux Quadrature Duobinary Signal Processing. , 2013, , .		2
76	Super-Nyquist shaping and processing technologies for high-spectral-efficiency optical systems. Proceedings of SPIE, 2013, , .	0.8	1
77	Dynamic probabilistic shaping modulation based on fixed-to-fixed symbols projection constant composition distribution matching. , 2017, , .		1
78	Multi-channel Optical Frequency-locked Multi-carrier Source Generation based on Multi-channel Recirculation Frequency Shifter Loop. , 2013, , .		1
79	Flattened Optical Comb Generation using only Phase Modulators Driven by Single Fundamental Frequency Sinusoidal Sources with Small Frequency Offset. , 2013, , .		1
80	Experimental comparison of discrete Fourier transform-spread high-order quadrature amplitude modulation discrete multitone systems for optical interconnection. Optical Engineering, 2019, 58, 1.	0.5	1
81	Demonstration of 54.8-GHz radio-over-fiber system with wavelength reuse based on distributed intensity conversion. , 2014, , .		0
82	Nonlinear Compensation and Inter-channel Crosstalk Suppression for 4Ã—160.8Gb/s DWDM PDM-QPSK signal with Heterodyne Coherent Detection. , 2013, , .		0
83	100G DFT-spread OFDM-WDM-PON based on probabilistic shaped 16QAM. , 2019, , .		0
84	Experimental demonstration of WDM-PON based on probabilistic shaped PAM4 modulation format. , 2019, , .		0
85	Experimental demonstration of wavelength-division-multiplexing passive optical network employing probabilistic shaping 4-level pulse amplitude modulation. Optical Engineering, 2019, 58, 1.	0.5	0
86	Probabilistic shaping PAM8 based on Huffman coding distribution matching in optical interconnection. Journal of Modern Optics, 2022, 69, 693-698.	0.6	0