Qun Zhang

List of Publications by Year
in descending order

		840776	794594
40 papers	405 citations	11 h-index	19 g-index
40 all docs	40 docs citations	40 times ranked	299 citing authors

#	Article	IF	Citations
1	Stokes space modulation format classification based on non-iterative clustering algorithm for coherent optical receivers. Optics Express, 2017, 25, 2038.	3.4	54
2	Fast polarization-state tracking scheme based on radius-directed linear Kalman filter. Optics Express, 2015, 23, 19673.	3.4	53
3	Algorithms for Blind Separation and Estimation of Transmitter and Receiver IQ Imbalances. Journal of Lightwave Technology, 2019, 37, 2201-2208.	4.6	44
4	Multi-Dimensional, Wide-Range, and Modulation-Format-Transparent Transceiver Imbalance Monitoring. Journal of Lightwave Technology, 2021, 39, 2033-2045.	4.6	19
5	Joint polarization tracking and channel equalization based on radius-directed linear Kalman filter. Optics Communications, 2018, 407, 142-147.	2.1	16
6	Convertible Dark Pulse and Bright Pulse Fiber Ring Laser by Adjusting the Polarization. IEEE Photonics Technology Letters, 2018, 30, 1285-1288.	2.5	16
7	Joint and Accurate OSNR Estimation and Modulation Format Identification Scheme Using the Feature-Based ANN. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	16
8	Adaptive and joint frequency offset and carrier phase estimation based on Kalman filter for 16QAM signals. Optics Communications, 2019, 430, 336-341.	2.1	14
9	Application of Kalman filter in frequency offset estimation for coherent optical quadrature phase-shift keying communication system. Optical Engineering, 2016, 55, 096102.	1.0	13
10	Multigigabit Visible Light Communication Based on High-Bandwidth InGaN Quantum Dot Green Micro-LED. ACS Photonics, 2022, 9, 2354-2366.	6.6	13
11	Noise Adaptive Kalman Filter for Joint Polarization Tracking and Channel Equalization using Cascaded Covariance Matching. IEEE Photonics Journal, 2018, , 1-1.	2.0	12
12	Different types of noise-like pulse in a nonlinear multimodal interference based mode-locked fiber laser. Optics and Laser Technology, 2022, 147, 107681.	4.6	12
13	Joint, accurate and robust optical signal-to- noise ratio and modulation format monitoring scheme using a single Stokes-parameter-based artificial neural network. Optics Express, 2021, 29, 7276.	3.4	11
14	Experimental and numerical study of high order Stokes lines in Brillouin-erbium fiber laser. Journal of Applied Physics, 2014, 115, .	2.5	10
15	Modulation-format-transparent IQ imbalance estimation of dual-polarization optical transmitter based on maximum likelihood independent component analysis. Optics Express, 2019, 27, 18055.	3.4	10
16	Accurate phase extraction algorithm based on Gram–Schmidt orthonormalization and least square ellipse fitting method. Journal of Modern Optics, 2018, 65, 1199-1209.	1.3	9
17	Accurate BER Estimation Scheme Based on K-Means Clustering Assisted Gaussian Approach for Arbitrary Modulation Format. Journal of Lightwave Technology, 2020, 38, 2152-2157.	4.6	9
18	Low complexity, modulation-transparent and joint polarization and phase tracking scheme based on the nonlinear principal component analysis. Optics Express, 2019, 27, 17968.	3.4	9

#	Article	IF	Citations
19	Parallel Mini/Micro-LEDs Transmitter: Size-Dependent Effect and Gbps Multi-User Visible Light Communication. Journal of Lightwave Technology, 2022, 40, 2329-2340.	4.6	9
20	Tunable multiwavelength narrow linewidth Brillouin erbium fiber laser based on Rayleigh backscattering. Optical Engineering, 2016, 55, 066106.	1.0	8
21	Femtosecond Soliton Erbium-Doped Fiber Laser With a Symmetrical GIMF–SIMF–GIMF Saturable Absorber. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	8
22	3.8 Gb/s PAM-4 UOWC System Over a 2-m Underwater Channel Enabled by a Single-Pixel 175-Î¼m GaN-Based Mini-LED. IEEE Photonics Journal, 2022, 14, 1-7.	2.0	8
23	Cost-effective and robust DSP scheme for a short-reach coherent system in the presence of transmitter IQ skew and chromatic dispersion. Optics Letters, 2021, 46, 4606.	3.3	6
24	Net 5.75 Gbps/2 m Single-Pixel Blue Mini-LED Based Underwater Wireless Communication System Enabled by Partial Pre-Emphasis and Nonlinear Pre-Distortion. Journal of Lightwave Technology, 2022, 40, 6116-6122.	4.6	5
25	Modulation-transparent and Robust Frequency Offset and Phase Tracking Scheme Using Self-learning Kalman Filter for Intelligent Receiver. Journal of Lightwave Technology, 2021, , 1-1.	4.6	4
26	Compensation of IQ imbalance using Kalman filter in coherent optical systems. , 2018, , .		3
27	A Pilot Symbols Aided Adaptive Kalman Filter for Joint Carrier Phase and Polarization Tracking in Coherent Optical System. Applied Sciences (Switzerland), 2019, 9, 27.	2.5	3
28	Machine Learning Assisted Modulation-Format Transparent and Nonlinearity Tolerant Carrier Recovery Scheme for Intelligent Receiver. Journal of Lightwave Technology, 2020, 38, 6007-6014.	4.6	3
29	Experimental observation of fundamental and harmonic self pulse generation of single high-order Stokes in Brillouin Erbium fiber laser. Optics Communications, 2016, 371, 100-104.	2.1	2
30	Stable Dark Pulses Produced by the MoS2 Saturable Absorber Mode-locked Fiber Laser. , 2018, , .		2
31	Hardware Efficient and Chromatic Dispersion Tolerant Symbol-Rate Equalization Scheme for Short-Reach Coherent Transmission System. Journal of Lightwave Technology, 2022, 40, 5450-5456.	4.6	2
32	A robust and dither-free technique for controlling driver signal amplitude for stable and arbitrary optical phase modulation. Optics Express, 2011, 19, 26353.	3.4	1
33	Joint estimation of transmitter and receiver IQ imbalances based on GSOP and GCM for optical coherent systems. Results in Optics, 2021, 4, 100084.	2.0	1
34	Nonlinear transmission and phase noise tolerance of different 8-ary constellations using Viterbi-Viterbi carrier phase estimation. , 2016, , .		0
35	Observation of bound soliton in mode locked fiber laser exploiting simplified nonlinear polarization rotation. , 2017, , .		0
36	Unscented Kalman filters for polarization de-multiplexing in 3D stokes space. , 2017, , .		0

#	Article	IF	Citations
37	Polarization tracking and channel equalization with radius-directed recursive least squares filter. , 2017, , .		0
38	Nonlinear transmission and phase noise tolerance of a novel circular 16QAM modulation format. , 2017, , .		0
39	Cascade compensation scheme for IQ imbalance and polarization crosstalk. , 2018, , .		0
40	Wide-Range and Modulation-Format-Transparent IQ Imbalance Estimation of Dual-Polarization Optical Transceiver. , 2020, , .		0