

# Qi Zhou

## List of Publications by Year in descending order

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49  
papers

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citations

933447

10  
h-index

713466

21  
g-index

49  
all docs

49  
docs citations

49  
times ranked

539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Element-Based Lattice Reduction Algorithms for Large MIMO Detection. IEEE Journal on Selected Areas in Communications, 2013, 31, 274-286.	14.0	115
2	Wideband co-site interference cancellation based on hybrid electrical and optical techniques. Optics Letters, 2014, 39, 6537.	3.3	61
3	An Ultra-Reliable MMW/FSO A-RoF System Based on Coordinated Mapping and Combining Technique for 5G and Beyond Mobile Fronthaul. Journal of Lightwave Technology, 2018, 36, 4952-4959.	4.6	48
4	400-Gb/s PAM-4 FSO Transmission Based on Polarization Modulation and Direct Detection. IEEE Photonics Technology Letters, 2019, 31, 755-758.	2.5	28
5	Multi-IF-Over-Fiber Based Mobile Fronthaul With Blind Linearization and Flexible Dispersion Induced Bandwidth Penalty Mitigation. Journal of Lightwave Technology, 2019, 37, 1424-1433.	4.6	23
6	Polarization-Tracking-Free PDM Supporting Hybrid Digital-Analog Transport for Fixed-Mobile Systems. IEEE Photonics Technology Letters, 2019, 31, 54-57.	2.5	23
7	Enhanced Multi-Level Signal Recovery in Mobile Fronthaul Network Using DNN Decoder. IEEE Photonics Technology Letters, 2018, 30, 1511-1514.	2.5	20
8	Demonstration of high precision 3D indoor positioning system based on two-layer ANN machine learning technique. , 2019, , .		18
9	Non-Orthogonal Uplink Services Through Co-Transport of D-RoF/A-RoF in Mobile Fronthaul. Journal of Lightwave Technology, 2020, 38, 3637-3643.	4.6	17
10	An improved LR-aided K-best algorithm for MIMO detection. , 2012, , .		16
11	A Reliable OFDM-Based MMW Mobile Fronthaul With DSP-Aided Sub-Band Spreading and Time-Confined Windowing. Journal of Lightwave Technology, 2019, 37, 3236-3243.	4.6	16
12	Performance Enhancement of Optical Comb Based Microwave Photonic Filter by Machine Learning Technique. Journal of Lightwave Technology, 2020, 38, 5302-5310.	4.6	13
13	Proactive real-time interference avoidance in a 5G millimeter-wave over fiber mobile fronthaul using SARSA reinforcement learning. Optics Letters, 2019, 44, 4347.	3.3	10
14	Receiver Designs for Differential UWB Systems with Multiple Access Interference. IEEE Transactions on Communications, 2014, 62, 126-134.	7.8	9
15	Joint Power Allocation and Path Selection for Multi-Hop Noncoherent Decode and Forward UWB Communications. IEEE Transactions on Wireless Communications, 2014, 13, 1397-1409.	9.2	9
16	Simultaneous Nonlinear Self-Interference Cancellation and Signal of Interest Recovery Using Dual Input Deep Neural Network in New Radio Access Networks. Journal of Lightwave Technology, 2021, 39, 2046-2051.	4.6	9
17	Improved Element-Based Lattice Reduction Algorithms for Wireless Communications. IEEE Transactions on Wireless Communications, 2013, 12, 4414-4421.	9.2	8
18	Shot Interference Detection and Mitigation for Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 225-236.	6.3	8

#	ARTICLE	IF	CITATIONS
19	Tunable Microwave Photonic Filter for Millimeter-wave Mobile Fronthaul Systems. , 2018, , .		8
20	A cooperative approach for amplify-and-forward differential transmitted reference IR-UWB relay systems. , 2012, , .		7
21	Designing Low-Complexity Near-Optimal Multiple-Symbol Detectors for Impulse Radio UWB Systems. IEEE Transactions on Signal Processing, 2012, 60, 2460-2469.	5.3	5
22	Demonstration of Pattern Division Multiple Access With Message Passing Algorithm for Multi-Channel mmWave Uplinks via RoF Mobile Fronthaul. Journal of Lightwave Technology, 2020, 38, 5908-5915.	4.6	5
23	Designing low-complexity detectors for generalized SC-FDMA systems. , 2011, , .		4
24	Broadband IF-Over-Fiber Transmission Based on a Polarization Modulator. IEEE Photonics Technology Letters, 2018, 30, 2087-2090.	2.5	4
25	Data Efficient Estimation for Quality of Transmission Through Active Learning in Fiber-Wireless Integrated Network. Journal of Lightwave Technology, 2021, 39, 5691-5698.	4.6	4
26	A near-optimal multi-symbol based detector for UWB communications. , 2010, , .		3
27	Receiver designs for UWB differential transmitted reference systems with multiple access interference. , 2011, , .		3
28	Soft-Input Soft-Output Multiple Symbol Differential Detection for UWB Communications. IEEE Communications Letters, 2012, 16, 1296-1299.	4.1	3
29	Joint transceiver designs using lattice reduction algorithms. , 2013, , .		3
30	Efficient Power-Division NOMA for Intelligent Optical Access Network Enabled by Deep Learning. , 2019, , .		3
31	Asynchronous Multi-Service Fiber-Wireless Integrated Network Using UFMC and PS for Flexible 5G Applications. , 2020, , .		3
32	Low-complexity equalizer with a hybrid decision scheme for 50â€‰%â€‰Gb/s $\sqrt{1}$ PAM4-PON using a low-cost 10 G receiver. Optics Letters, 2020, 45, 6278.	3.3	3
33	Generalized Code-Multiplexing for UWB Communications. IEEE Transactions on Wireless Communications, 2013, 12, 2806-2816.	9.2	2
34	Flexible Coherent Communication System With Adaptable SNR and Laser Phase Noise Tolerance for Probabilistically Shaped QAM. Journal of Lightwave Technology, 2020, 38, 6178-6186.	4.6	2
35	Combining Efficient Probabilistic Shaping and Deep Neural Network to Mitigate Capacity Crunch in 5G Fronthaul. , 2020, , .		2
36	Intelligent Bandwidth Allocation for Latency Management in NG-EPON using Reinforcement Learning Method. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
37	Demonstration of Pattern Division Multiple Access with Message Passing Algorithm in MMW-RoF Systems. , 2020, , .		2
38	Accelerating LMS-Based Equalization With Correlated Training Sequence in Bandlimited IM/DD Systems. Journal of Lightwave Technology, 2022, 40, 4268-4275.	4.6	2
39	Near-ML detection based on semi-definite programming for UWB communications. , 2010, , .		1
40	Generalized code-multiplexing transmissions for UWB systems. , 2011, , .		1
41	Robust designs for femtocell networks with interference from macrocell users. , 2011, , .		1
42	Detecting UWB signals using cyclic features. , 2013, , .		1
43	Lattice Reduction Aided Transceiver Design for Multiuser MIMO Downlink Transmissions. , 2014, , .		1
44	Extreme Mobile Broadband Tier-II Fronthaul Network Enabled by a New DNN Machine Learning Framework. , 2018, , .		1
45	Hybrid W-Band/Baseband Transmission for Fixed-Mobile Convergence Supported by Heterodyne Detection with Data-Carrying Local Oscillator. , 2020, , .		1
46	Extended multi-symbol differential detection for IR-UWB communications. , 2010, , .		0
47	Lattice-reduction-aided Wiener filtering for communications over ISI channels. , 2012, , .		0
48	Maximum likelihood detectors for generalized code-multiplexing ultra-wideband systems. , 2013, , .		0
49	Novel Parallel Interference Cancellation Scheme for Non-Orthogonal Multiple Access in Millimeter-Wave RAN Using Convolutional Neural Network. , 2021, , .		0