

Jiankang Zhang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/151135/jiankang-zhang-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67 papers	868 citations	15 h-index	28 g-index
78 ext. papers	1,153 ext. citations	5.3 avg, IF	4.83 L-index

#	Paper	IF	Citations
67	A Comprehensive Survey on UAV Communication Channel Modeling. <i>IEEE Access</i> , 2019 , 7, 107769-107793	3.5	112
66	Pilot Contamination Elimination for Large-Scale Multiple-Antenna Aided OFDM Systems. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2014 , 8, 759-772	7.5	104
65	Aeronautical \$Ad-Hoc\$ Networking for the Internet-Above-the-Clouds. <i>Proceedings of the IEEE</i> , 2019 , 107, 868-911	14.3	83
64	Adaptive Coding and Modulation for Large-Scale Antenna Array-Based Aeronautical Communications in the Presence of Co-Channel Interference. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 1343-1357	9.6	42
63	. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 1204-1222	6.8	40
62	Short-Term Load Forecasting for Electric Vehicle Charging Stations Based on Deep Learning Approaches. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1723	2.6	39
61	Optimal Pilot Design for Pilot Contamination Elimination/Reduction in Large-Scale Multiple-Antenna Aided OFDM Systems. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 7229-7243	9.6	39
60	Turbo Multi-User Detection for OFDM/SDMA Systems Relying on Differential Evolution Aided Iterative Channel Estimation. <i>IEEE Transactions on Communications</i> , 2012 , 60, 1621-1633	6.9	35
59	Optical Jamming Enhances the Secrecy Performance of the Generalized Space-Shift-Keying-Aided Visible-Light Downlink. <i>IEEE Transactions on Communications</i> , 2018 , 66, 4087-4102	6.9	31
58	Early Collision Detection for Massive Random Access in Satellite-Based Internet of Things. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 5184-5189	6.8	30
57	. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 3265-3275	6.8	26
56	Adaptive Coherent/Non-Coherent Spatial Modulation Aided Unmanned Aircraft Systems. <i>IEEE Wireless Communications</i> , 2019 , 26, 170-177	13.4	24
55	Secrecy Analysis of Generalized Space-Shift Keying Aided Visible Light Communication. <i>IEEE Access</i> , 2018 , 6, 18310-18324	3.5	21
54	Regularized Zero-Forcing Precoding-Aided Adaptive Coding and Modulation for Large-Scale Antenna Array-Based Air-to-Air Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 2087-2103	14.2	21
53	. <i>IEEE Transactions on Communications</i> , 2019 , 67, 1099-1116	6.9	19
52	Discrete Multi-Tone Digital Subscriber Loop Performance in the Face of Impulsive Noise. <i>IEEE Access</i> , 2017 , 5, 10478-10495	3.5	13
51	Boosting Fronthaul Capacity: Global Optimization of Power Sharing for Centralized Radio Access Network. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 1916-1929	6.8	12

50	Secrecy Analysis in SWIPT Systems Over Generalized- α - β Fading Channels. <i>IEEE Communications Letters</i> , 2019 , 23, 834-837	3.8	10
49	Dynamic User-Centric Clustering for Uplink Cooperation in Multi-Cell Wireless Networks. <i>IEEE Access</i> , 2018 , 6, 8526-8538	3.5	10
48	Joint Decision-Directed Channel and Noise-Variance Estimation for MIMO OFDM/SDMA Systems Based on Expectation-Conditional Maximization. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 2139-2151	6.8	10
47	Constant-Envelope Space-Time Shift Keying. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2019 , 13, 1387-1402	7.5	9
46	Energy Efficiency-Delay Tradeoff for a Cooperative NOMA System. <i>IEEE Communications Letters</i> , 2019 , 23, 732-735	3.8	9
45	A Novel Design of RIS for Enhancing the Physical Layer Security for RIS-aided NOMA Networks. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	9
44	Deep Reinforcement Learning Aided Packet-Routing for Aeronautical Ad-Hoc Networks Formed by Passenger Planes. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 5166-5171	6.8	8
43	Enhancing the secrecy performance of the spatial modulation aided VLC systems with optical jamming. <i>Signal Processing</i> , 2019 , 157, 288-302	4.4	8
42	Impulsive Noise Mitigation in Digital Subscriber Lines: The State-of-the-Art and Research Opportunities. <i>IEEE Communications Magazine</i> , 2019 , 57, 145-151	9.1	7
41	Quantum algorithms for typical hard problems: a perspective of cryptanalysis. <i>Quantum Information Processing</i> , 2020 , 19, 1	1.6	7
40	Secrecy performance analysis of MISO visible light communication systems with spatial modulation 2018 , 81, 116-128		6
39	Deep Learning Aided Packet Routing in Aeronautical Ad-Hoc Networks Relying on Real Flight Data: From Single-Objective to Near-Pareto Multi-Objective Optimization. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	6
38	Nonlinearity-Based Single-Channel Monopulse Tracking Method for OFDM-Aided UAV A2G Communications. <i>IEEE Access</i> , 2019 , 7, 148485-148494	3.5	5
37	Antenna grouping assisted spatial modulation for massive MIMO systems 2017 ,		5
36	Differential Evolution Algorithm Aided Turbo Channel Estimation and Multi-User Detection for G.Fast Systems in the Presence of FEXT. <i>IEEE Access</i> , 2018 , 6, 33111-33128	3.5	5
35	Physical Layer Security of Intelligent Reflective Surface Aided NOMA Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	5
34	Secure Millimeter Wave Cloud Radio Access Networks Relying on Microwave Multicast Fronthaul. <i>IEEE Transactions on Communications</i> , 2020 , 68, 3079-3095	6.9	4
33	. <i>IEEE Access</i> , 2021 , 9, 80360-80372	3.5	4

32	Design of Reconfigurable SDR Platform for Antenna Selection Aided MIMO Communication System. <i>IEEE Access</i> , 2019 , 7, 169267-169280	3.5	3
31	Benchmarking capabilities of evolutionary algorithms in joint channel estimation and turbo multi-user detection/decoding 2013 ,		3
30	Edge Federation: A Dependency-Aware Multi-Task Dispatching and Co-location in Federated Edge Container-Instances 2020 ,		3
29	Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 11206-11219	6.8	3
28	Transmitter-Selection Aided Adaptive Consensus-Based Data Sharing for UAV Swarms. <i>IEEE Access</i> , 2019 , 7, 182217-182224	3.5	3
27	Coordinated Hybrid Precoding Design in Millimeter Wave Fog-RAN. <i>IEEE Systems Journal</i> , 2020 , 14, 673-676	4.5	3
26	. <i>IEEE Access</i> , 2021 , 9, 42533-42542	3.5	3
25	Multiobjective Optimization for Integrated Ground-Air-Space Networks: Current Research and Future Challenges. <i>IEEE Vehicular Technology Magazine</i> , 2021 , 16, 88-98	9.9	3
24	Twin-Component Near-Pareto Routing Optimization for AANETs in the North-Atlantic Region Relying on Real Flight Statistics. <i>IEEE Open Journal of Vehicular Technology</i> , 2021 , 2, 346-364	5.3	3
23	Far-End Crosstalk Mitigation for Future Wireline Networks Beyond G.mgfast: A Survey and an Outlook. <i>IEEE Access</i> , 2020 , 8, 9998-10039	3.5	2
22	Compressed Blind Signal Reconstruction Model and Algorithm. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 3192-3219	2.2	2
21	Two-Stage Time-Domain Pilot Contamination Elimination in Large-Scale Multiple-Antenna Aided and TDD Based OFDM Systems. <i>IEEE Access</i> , 2017 , 5, 8629-8641	3.5	2
20	Cooperation resource efficient user-centric clustering for QoS provisioning in uplink CoMP 2017 ,		2
19	Minimum-Delay Routing for Integrated Aeronautical Ad Hoc Networks Relying on Real Flight Data in the North-Atlantic Region. <i>IEEE Open Journal of Vehicular Technology</i> , 2021 , 2, 310-320	5.3	2
18	A Parafac-Based Blind Channel Estimation and Symbol Detection Scheme for Massive MIMO Systems 2018 ,		2
17	Tensor-based semi-blind channel estimation for three-hop MIMO relay systems 2015 ,		1
16	Stochastic Optimization Assisted Joint Channel Estimation and Multi-User Detection for OFDM/SDMA 2012 ,		1
15	AirEdge: A Dependency-Aware Multi-Task Orchestration in Federated Aerial Computing. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	1

14	Channel correlation relied grouped spatial modulation for massive MIMO systems. <i>IET Communications</i> , 2020 , 14, 1241-1250	1.3	1
13	Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 16294-16298	6.8	1
12	Sparsity Signal Detection for Indoor GSSK-VLC System. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	1
11	Optimal Uplink Pilot-Data Power Allocation for Large-Scale Antenna Array-Aided OFDM Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 428-442	6.8	1
10	Partial Cooperation Based on Dynamic Transmit Antennas for Two-Hop Massive MIMO Systems. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-7	1.9	1
9	Semi-Stochastic Aircraft Mobility Modelling for Aeronautical Networks: An Australian Case-Study Based on Real Flight Data. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	1
8	Deep Learning Aided Routing for Space-Air-Ground Integrated Networks Relying on Real Satellite, Flight, and Shipping Data. <i>IEEE Wireless Communications</i> , 2022 , 1-8	13.4	1
7	Deep Learning Aided Physical-Layer Security: The Security versus Reliability Trade-off. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021 , 1-1	6.6	0
6	SVM aided LEDs selection for generalized spatial modulation of indoor VLC systems. <i>Optics Communications</i> , 2021 , 497, 127161	2	0
5	Energy Efficient Transmission Based on Grouped Spatial Modulation for Upstream DSL Systems. <i>IEEE Access</i> , 2019 , 7, 88312-88326	3.5	
4	Energy Efficiency Optimization of Massive MIMO Systems Based on the Particle Swarm Optimization Algorithm. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-11	1.9	
3	Optimal-Power Superposition Modulation for Scalable Video Broadcasting. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 16230-16234	6.8	
2	Priority-Aware Secure Precoding Based on Multi-Objective Symbol Error Ratio Optimization. <i>IEEE Transactions on Communications</i> , 2021 , 69, 1912-1929	6.9	
1	Beam Selection Assisted UAV-BS Deployment and Trajectory for BeamSpace mmWave Systems. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-21	1.9	