

Fei Ji

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

1,030
citations

14
h-index

30
g-index

99
ext. papers

1,346
ext. citations

5.6
avg, IF

4.8
L-index

#	Paper	IF	Citations
73	Dynamic Detection Based Trajectory Planning for Autonomous Underwater Vehicle to Collect Data From Underwater Sensors. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	0
72	Federated Meta-Learning Enhanced Acoustic Radio Cooperative Framework for Ocean of Things. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2022 , 1-1	7.5	1
71	An Adaptive Ant Colony System Based on Variable Range Receding Horizon Control for Berth Allocation Problem. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-12	6.1	0
70	Cyclic Delay Diversity With Index Modulation for Green Internet of Things. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 5, 600-610	4	2
69	Impact and Analysis of Spatial Correlation on Slotted Based MAC in UANs 2021 ,		1
68	A Splitting-Detection Joint-Decision Receiver for Ultrasonic Intra-Body Communications. <i>IEEE Transactions on Communications</i> , 2021 , 69, 3586-3597	6.9	2
67	Resource Allocation for Multi-User Molecular Communication Systems Oriented to The Internet of Medical Things. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	3
66	Kolmogorov Turbulence and Information Dissipation in Molecular Communication. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2021 , 1-1	2.3	1
65	Enhanced Molecular Type Permutation Shift Keying for Molecular Communication. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	
64	A Simple Multicarrier Transmission Technique Combining Transmit Diversity and Data Multiplexing for Non-Orthogonal Multiple Access. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 7216-7220	6.8	7
63	Medium Access Control Under Space-Time Coupling in Underwater Acoustic Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 12398-12409	10.7	0
62	Virtual Spatial Channel Number and Index Modulation. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-10	1.9	
61	Localization of incoherently distributed near-field sources: A low-rank matrix recovery approach. <i>Signal Processing</i> , 2021 , 189, 108273	4.4	2
60	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1	3.7	1
59	Frequency Domain Analysis and Equalization for Molecular Communication. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 1952-1967	4.8	3
58	Sparse Bayesian Learning Using Generalized Double Pareto Prior for DOA Estimation. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 1744-1748	3.2	3
57	A New Acoustic Channel Interference Model for 3-D Underwater Acoustic Sensor Networks and Throughput Analysis. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 9930-9942	10.7	7

56	Spatial Spectrum Estimation of Incoherently Distributed Sources Based on Low-Rank Matrix Recovery. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 6333-6347	6.8	3
55	Congestion and Position Aware Dynamic Routing for the Internet of Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 16082-16094	6.8	6
54	A Rising Edge-Based Detection Algorithm for MIMO Molecular Communication. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 523-527	5.9	2
53	Delay-Optimal Scheduling of VMs in a Queueing Cloud Computing System with Heterogeneous Workloads. <i>IEEE Transactions on Services Computing</i> , 2020 , 1-1	4.8	8
52	Soft Demodulators Based on Deterministic SMC for Single-Carrier GSM in Broadband Channels. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 1973-1985	14.2	3
51	Information-Guided Pilot Insertion for OFDM-Based Vehicular Communications Systems. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 26-37	10.7	3
50	A Two-Way Molecular Communication Assisted by an Impulsive Force. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 3048-3057	11.9	6
49	Distance-Vector-Based Opportunistic Routing for Underwater Acoustic Sensor Networks. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 3831-3839	10.7	65
48	Spatial Modulation for Molecular Communication. <i>IEEE Transactions on Nanobioscience</i> , 2019 , 18, 381-395	5.4	27
47	Correlated Source Number Estimation with Gerschgorin Radii of Partitioned Matrices Products. <i>Wireless Personal Communications</i> , 2019 , 107, 1077-1091	1.9	
46	Secure Precoding Aided Spatial Modulation via Transmit Antenna Selection. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8893-8905	6.8	12
45	Low-Complexity Detection for Multiple-Mode OFDM with Index Modulation. <i>Physical Communication</i> , 2019 , 34, 38-47	2.2	1
44	Multicore-Processor Based Software-Defined Communication/Network Platform for Underwater Internet of Things. <i>Sensors</i> , 2019 , 19,	3.8	3
43	. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 1472-1486	6.8	17
42	Low-Complexity LLR Calculation for OFDM With Index Modulation. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 618-621	5.9	11
41	Secure NOMA Based Two-Way Relay Networks Using Artificial Noise and Full Duplex. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 1426-1440	14.2	81
40	Performance Study for SWIPT Cooperative Communication Systems in Shadowed Nakagami Fading Channels. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 1199-1211	9.6	15
39	Cooperative NOMA Systems With Partial Channel State Information Over Nakagami- m Fading Channels. <i>IEEE Transactions on Communications</i> , 2018 , 66, 947-958	6.9	75

38	Non-Orthogonal Multiple Access for Cooperative Communications: Challenges, Opportunities, and Trends. <i>IEEE Wireless Communications</i> , 2018 , 25, 109-117	13.4	83
37	Power Allocation for OFDM Over Multi-scale Multi-lag Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 2345-2358	6.8	3
36	Adaptive RTO for handshaking-based MAC protocols in underwater acoustic networks. <i>Future Generation Computer Systems</i> , 2018 , 86, 1185-1192	7.5	11
35	Secure NOMA Based Full-Duplex Two-Way Relay Networks with Artificial Noise against Eavesdropping 2018 ,		3
34	Performance Analysis for BDPSK Modulated SWIPT Cooperative Systems With Nonlinear Energy Harvesting Model. <i>IEEE Access</i> , 2018 , 6, 42373-42383	3.5	8
33	Pilot Insertion with Index Modulation for OFDM-Based Vehicular Communications 2018 ,		1
32	Throughput Analysis on 3-Dimensional Underwater Acoustic Network with One-Hop Mobile Relay. <i>Sensors</i> , 2018 , 18,	3.8	8
31	Secure NOMA Based Cooperative Networks with Rate-Splitting Source and Full-Duplex Relay 2018 ,		3
30	Enhanced Orthogonal Frequency Division Multiplexing With Index Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 4786-4801	9.6	116
29	Vector OFDM With Index Modulation. <i>IEEE Access</i> , 2017 , 5, 20135-20144	3.5	7
28	Robust Preamble-Based Timing Synchronization for OFDM Systems. <i>Journal of Computer Networks and Communications</i> , 2017 , 2017, 1-7	2.5	1
27	Non-Orthogonal Multiple Access for Dual-Hop Decode-and-Forward Relay-Aided X Channel 2017 ,		3
26	Performance Analysis of OFDM over Multi-Scale Multi-Lag Channels 2017 ,		2
25	User Pairing Strategy: A Novel Scheme for Non-Orthogonal Multiple Access Systems 2017 ,		5
24	The K-Best Sphere Decoding for Soft Detection of Generalized Spatial Modulation. <i>IEEE Transactions on Communications</i> , 2017 , 65, 4803-4816	6.9	24
23	Minimum Symbol-Error Rate Based Adaptive Decision Feedback Equalizer in Underwater Acoustic Channels. <i>IEEE Access</i> , 2017 , 5, 25147-25157	3.5	10
22	Improving Physical Layer Security via Random Precoding 2017 ,		6
21	Enhanced Coordinate Interleaved OFDM With Index Modulation. <i>IEEE Access</i> , 2017 , 5, 27504-27513	3.5	9

20	Directions of arrival and channel parameters estimation in multipath underwater environment 2016,		2
19	. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 5396-5408	4.8	51
18	User-Network Cooperation-Based Sleep Scheduling for Communication Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 3313-3325	14.2	6
17	Experimental Demonstration of 16-QAM DD-SEFDM With Cascaded BPSK Iterative Detection. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-9	1.8	18
16	Novel Pilot Position Detection for SC-FDE Systems With Frequency Domain Pilot Multiplexing Technique. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 910-914	3.2	2
15	Novel Receiver Design for the Cooperative Relaying System With Non-Orthogonal Multiple Access. <i>IEEE Communications Letters</i> , 2016 , 20, 1679-1682	3.8	108
14	Non-Orthogonal Multiple Access for Dual-Hop Decode-and-Forward Relaying 2016,		15
13	Sum of arbitrarily correlated Gamma random variables with unequal parameters and its application in wireless communications 2016,		5
12	Novel Pilot Position Selection and Signal Reconstruction Methods for Frequency-Domain Pilot Multiplexing Techniques of SC-FDE. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	1
11	Low-Complexity ML Detector and Performance Analysis for OFDM With In-Phase/Quadrature Index Modulation. <i>IEEE Communications Letters</i> , 2015 , 19, 1893-1896	3.8	106
10	Stochastically Optimized Fountain-Based Transmissions Over Underwater Acoustic Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 2108-2112	6.8	14
9	Stable user pairing in virtual MIMO systems: A game theoretical perspective 2013,		2
8	Maximum Likelihood Based Measurement of Interference Level and Noise Power for Memoryless Gaussian Channel with Deterministic Interference. <i>IEEE Transactions on Communications</i> , 2012 , 60, 19-22	6.9	4
7	A General Resource Allocation Algorithm with Fairness for SDMA/MISO/OFDMA Systems. <i>IEEE Communications Letters</i> , 2011 , 15, 1072-1074	3.8	3
6	A novel low-complexity transmission power adaptation in MC-CDMA systems with a-MRC receiver over Nakagami-m fading channels. <i>International Journal of Communication Systems</i> , 2009 , 22, 219-236	1.7	0
5	ESPRIT algorithm for joint delay and 2-dimensional DOA estimation of multipath parameters 2007,		4
4	Stability Analysis Of Timing Acquisition Methods With Multi-hypothesis In Indoor UWB Multipath And MAI Channel 2007,		1
3	A Stable Rapid Timing Synchronization Scheme for Impulse Radio UWB 2006,		1

2	Performance Analysis of the Distribution-Transform-Based PAR Reduction Method for OFDM Signal 2006 ,	1
1	A rapid synchronization acquisition scheme for UWB communications	3