

# Feng Zhao

## List of Publications by Citations

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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.

109  
papers

1,151  
citations

18  
h-index

30  
g-index

127  
ext. papers

1,462  
ext. citations

3.4  
avg, IF

5.26  
L-index

#	Paper	IF	Citations
109	Optimal Time Allocation for Wireless Information and Power Transfer in Wireless Powered Communication Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 1830-1835	6.8	120
108	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 4366-4378	6.8	65
107	. <i>IEEE Transactions on Communications</i> , <b>2012</b> , 60, 456-468	6.9	63
106	A Reinforcement Learning-Based Sleep Scheduling Algorithm for Desired Area Coverage in Solar-Powered Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 2763-2774	4	59
105	Joint Spectrum and Power Allocation for NOMA Enhanced Relaying Networks. <i>IEEE Access</i> , <b>2019</b> , 1-1	3.5	55
104	Interference alignment and game-theoretic power allocation in MIMO Heterogeneous Sensor Networks communications. <i>Signal Processing</i> , <b>2016</b> , 126, 173-179	4.4	52
103	Group buying spectrum auction algorithm for fractional frequency reuse cognitive cellular systems. <i>Ad Hoc Networks</i> , <b>2017</b> , 58, 239-246	4.8	47
102	Joint Beamforming and Power Allocation for Cognitive MIMO Systems Under Imperfect CSI Based on Game Theory. <i>Wireless Personal Communications</i> , <b>2013</b> , 73, 679-694	1.9	43
101	A hybrid half-duplex/full-duplex transmission scheme in relay-aided cellular networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2017</b> , 2017,	3.2	36
100	Energy-Efficient Cooperative Spectrum Sensing with Amplify-and-Forward Relaying. <i>IEEE Communications Letters</i> , <b>2012</b> , 16, 450-453	3.8	35
99	Spectral-Energy Efficiency Tradeoff in Relay-Aided Massive MIMO Cellular Networks With Pilot Contamination. <i>IEEE Access</i> , <b>2016</b> , 4, 5234-5242	3.5	35
98	Parked Vehicular Computing for Energy-Efficient Internet of Vehicles: A Contract Theoretic Approach. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 6079-6088	10.7	32
97	Outage performance of relay-assisted primary and secondary transmissions in cognitive relay networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2014</b> , 2014,	3.2	31
96	NLOS identification for UWB localization based on import vector machine. <i>AEU - International Journal of Electronics and Communications</i> , <b>2018</b> , 87, 128-133	2.8	29
95	A Cooperative Co-Evolutionary Approach to Large-Scale Multisource Water Distribution Network Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 842-857	15.6	28
94	Secure Transmission and Self-Energy Recycling With Partial Eavesdropper CSI. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2018</b> , 36, 1531-1543	14.2	26
93	Security in wearable communications. <i>IEEE Network</i> , <b>2016</b> , 30, 61-67	11.4	21

92	A deep reinforcement learning for user association and power control in heterogeneous networks. <i>Ad Hoc Networks</i> , <b>2020</b> , 102, 102069	4.8	19
91	Interference mitigation for cognitive radio MIMO systems based on practical precoding. <i>Physical Communication</i> , <b>2013</b> , 9, 308-315	2.2	17
90	A parallel algorithm for network traffic anomaly detection based on Isolation Forest. <i>International Journal of Distributed Sensor Networks</i> , <b>2018</b> , 14, 155014771881447	1.7	16
89	Co-Channel Interference Modeling in Cognitive Wireless Networks. <i>IEEE Transactions on Communications</i> , <b>2014</b> , 62, 3114-3128	6.9	15
88	Reference-Driven Compressed Sensing MR Image Reconstruction Using Deep Convolutional Neural Networks without Pre-Training. <i>Sensors</i> , <b>2020</b> , 20,	3.8	14
87	Secure Data Transfer and Deletion from Counting Bloom Filter in Cloud Computing. <i>Chinese Journal of Electronics</i> , <b>2020</b> , 29, 273-280	0.9	14
86	The Potential of Mobile Opportunistic Networks for Data Disseminations. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 912-922	6.8	12
85	. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2016</b> , 2, 427-441	6.6	11
84	A KNN Learning Algorithm for Collusion-Resistant Spectrum Auction in Small Cell Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 45796-45803	3.5	11
83	Optimal quantisation bit budget for a spectrum sensing scheme in bandwidth-constrained cognitive sensor networks. <i>IET Wireless Sensor Systems</i> , <b>2011</b> , 1, 144-150	1.6	11
82	Localized Algorithms for Yao Graph-Based Spanner Construction in Wireless Networks Under SINR. <i>IEEE/ACM Transactions on Networking</i> , <b>2017</b> , 25, 2459-2472	3.8	10
81	Joint Pilot Allocation and Pilot Sequence Optimization in Massive MIMO Systems. <i>IEEE Access</i> , <b>2020</b> , 8, 60637-60644	3.5	10
80	Joint Beamforming and Power Allocation Algorithm for Cognitive MIMO Systems via Game Theory. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 166-177	0.9	9
79	A Base Station DTX Scheme for OFDMA Cellular Networks Powered by the Smart Grid. <i>IEEE Access</i> , <b>2018</b> , 1-1	3.5	9
78	Energy-efficient joint BS and RS sleep scheduling in relay-assisted cellular networks. <i>Computer Networks</i> , <b>2016</b> , 100, 45-54	5.4	8
77	. <i>IEEE Network</i> , <b>2018</b> , 32, 186-192	11.4	7
76	Energy efficiency maximization of full-duplex two-way relay-assisted device-to-device communications underlying cellular networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2016</b> , 2016,	3.2	7
75	An extensible and flexible truthful auction framework for heterogeneous spectrum markets <b>2014</b> ,		7

74	Reverse spectrum auction algorithm for cellular network offloading. <i>Ad Hoc Networks</i> , <b>2017</b> , 58, 278-285.	4.8	6
73	Publicly verifiable data transfer and deletion scheme for cloud storage. <i>International Journal of Distributed Sensor Networks</i> , <b>2019</b> , 15, 155014771987899	1.7	6
72	wChain: A Fast Fault-Tolerant Blockchain Protocol for Multihop Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	6
71	Publicly Verifiable and Efficient Fine-Grained Data Deletion Scheme in Cloud Computing. <i>IEEE Access</i> , <b>2020</b> , 8, 99393-99403	3.5	5
70	Fairness-Driven Energy Efficient Resource Allocation in Uplink MIMO Enabled HetNets. <i>IEEE Access</i> , <b>2020</b> , 8, 37229-37241	3.5	5
69	Area Spectral Efficiency and Energy Efficiency Tradeoff in Ultradense Heterogeneous Networks. <i>Wireless Communications and Mobile Computing</i> , <b>2017</b> , 2017, 1-8	1.9	5
68	Interference Mitigation between Ultra-Wideband Sensor Network and Other Legal Systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2010</b> , 2010,	3.2	5
67	Echo State Network and Echo State Gaussian Process for Non-Line-of-Sight Target Tracking. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 3885-3892	4.3	5
66	Graph database-based network security situation awareness data storage method. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2018</b> , 2018,	3.2	5
65	A spectrum auction algorithm for cognitive distributed antenna systems. <i>Ad Hoc Networks</i> , <b>2017</b> , 58, 269-277	4.8	4
64	Performance analysis of energy harvesting multi-antenna relaying system over mixed Nakagami-m/Rician fading channels. <i>Physical Communication</i> , <b>2019</b> , 34, 157-164	2.2	4
63	. <i>IEEE Transactions on Wireless Communications</i> , <b>2018</b> , 17, 112-126	9.6	4
62	Efficient Sleep Scheduling Algorithm for Target Tracking in Double-Storage Energy Harvesting Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2016</b> , 12, 4134735	1.7	4
61	Estimator Goore Game based quality of service control with incomplete information for wireless sensor networks. <i>Signal Processing</i> , <b>2016</b> , 126, 77-86	4.4	4
60	A novel analysis of delay and power consumption for polling schemes in the IoT. <i>Tsinghua Science and Technology</i> , <b>2017</b> , 22, 368-378	3.4	4
59	A Sleep Scheduling Algorithm for Target Tracking in Energy Harvesting Sensor Networks <b>2014</b> ,		4
58	Energy Efficiency Maximization of Full-Duplex and Half-Duplex D2D Communications Underlying Cellular Networks. <i>Mobile Information Systems</i> , <b>2016</b> , 2016, 1-15	1.4	4
57	Fundamental Analysis on Data Dissemination in Mobile Opportunistic Networks With Low Mobility. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 1-1	6.8	4

56	Publicly verifiable outsourced data migration scheme supporting efficient integrity checking. <i>Journal of Network and Computer Applications</i> , <b>2021</b> , 192, 103184	7.9	4
55	Energy-Efficient Joint User Association and Power Allocation in Relay-Aided Massive MIMO Systems. <i>Journal of Communications and Information Networks</i> , <b>2018</b> , 3, 67-74		3
54	Stochastic Geometry Analysis of Downlink Spectral and Energy Efficiency in Ultradense Heterogeneous Cellular Networks. <i>Mobile Information Systems</i> , <b>2018</b> , 2018, 1-10	1.4	3
53	Utility analysis on privacy-preservation algorithms for online social networks: an empirical study. <i>Personal and Ubiquitous Computing</i> , <b>2019</b> , 1	2.1	3
52	Joint beamforming and power control for auction-based spectrum allocation in CoMP systems. <i>Ad Hoc Networks</i> , <b>2017</b> , 58, 191-197	4.8	3
51	Space-Time Correlation Properties of a 3D Two-Sphere Model for Non-Isotropic MIMO Mobile-to-Mobile Channels <b>2010</b> ,		3
50	A New Outsourced Data Deletion Scheme with Public Verifiability. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 631-638	0.9	3
49	Pilot Allocation and Power Optimization of Massive MIMO Cellular Networks With Underlaid D2D Communications. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	3
48	Trajectory Optimization and Power Allocation Algorithm in MBS-Assisted Cell-Free Massive MIMO Systems. <i>IEEE Access</i> , <b>2021</b> , 9, 30417-30425	3.5	3
47	Energy-efficient power allocation for massive MIMO-enabled multi-way AF relay networks with channel aging. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2018</b> , 2018,	3.2	3
46	Multi-Slot Spectrum Auction in Heterogeneous Networks Based on Deep Feedforward Network. <i>IEEE Access</i> , <b>2018</b> , 6, 45113-45119	3.5	3
45	Outage performance of relay-assisted transmissions in cognitive full-duplex relay networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2015</b> , 2015,	3.2	2
44	Performance Analysis of MISINR User Association in 3-D Heterogeneous Cellular Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 4119-4129	6.8	2
43	Energy-efficient mobile relay deployment scheme for cellular relay networks. <i>Ad Hoc Networks</i> , <b>2016</b> , 51, 36-46	4.8	2
42	Stochastic geometry analysis of downlink energy efficiency for a relay deployment scheme in relay-assisted cellular networks. <i>Telecommunication Systems</i> , <b>2016</b> , 63, 263-273	2.3	2
41	Optimal time allocation for multi-antenna wireless powered heterogeneous sensor network communications under imperfect CSI. <i>Signal Processing</i> , <b>2016</b> , 126, 159-164	4.4	2
40	Transmission scheduling for broadcasting with two energy-harvesting switching transmitters. <i>IET Wireless Sensor Systems</i> , <b>2013</b> , 3, 138-144	1.6	2
39	An adaptive step-size spectrum auction mechanism for two-tier heterogeneous networks. <i>Physical Communication</i> , <b>2017</b> , 25, 391-398	2.2	2

38	Strategies of network coding against nodes conspiracy attack. <i>Security and Communication Networks</i> , <b>2015</b> , 8, 2396-2403	1.9	2
37	An energy-saving cluster routing for wireless sensor networks with mobile sink <b>2010</b> ,		2
36	Capacity of Orthogonalized Weibull MIMO Channels Under Different Adaptive Transmission Techniques. <i>Wireless Personal Communications</i> , <b>2010</b> , 55, 539-550	1.9	2
35	Provable data deletion from efficient data integrity auditing and insertion in cloud storage. <i>Computer Standards and Interfaces</i> , <b>2022</b> , 82, 103629	3.5	2
34	Joint Beamforming and Power Allocation for Multiple Primary Users and Secondary Users in Cognitive MIMO Systems via Game Theory. <i>KSII Transactions on Internet and Information Systems</i> , <b>2013</b> , 7, 1379-1397	1.7	2
33	A Leakage-Based Beamforming Algorithm for Cognitive MIMO Systems via Game Theory. <i>Journal of Networks</i> , <b>2013</b> , 8,		2
32	Gated recurrent unit-based parallel network traffic anomaly detection using subbagging ensembles. <i>Ad Hoc Networks</i> , <b>2021</b> , 116, 102465	4.8	2
31	Energy efficiency optimisation in full-duplex relay systems. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2017</b> , 28, e2926	1.9	1
30	Power allocation scheme based on sum capacity maximization for signal-to-leakage-and-noise ratio precoded multiuser multiple-input single-output downlink. <i>Wireless Communications and Mobile Computing</i> , <b>2015</b> , 15, 685-698	1.9	1
29	Multi-class import vector machine for transmit antenna selection in MIMO systems. <i>Electronics Letters</i> , <b>2020</b> , 56, 62-65	1.1	1
28	Exploiting social reciprocity for auction-based spectrum allocation in femtocell networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2017</b> , 13, 155014771771523	1.7	1
27	Stackelberg game-based precoding and power allocation for spectrum auction in fractional frequency reuse cognitive cellular systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2016</b> , 2016,	3.2	1
26	Game-Theoretic Joint Power Allocation and Beamforming for Cognitive MIMO Systems with Finite Feedback. <i>Mobile Networks and Applications</i> , <b>2014</b> , 19, 512-521	2.9	1
25	A Study of MIMO Gaussian Channels Based on Synergetics. <i>Wireless Personal Communications</i> , <b>2012</b> , 63, 167-176	1.9	1
24	A spectrum auction algorithm based on joint power control and beamforming in small cell networks. <i>Physical Communication</i> , <b>2017</b> , 25, 426-431	2.2	1
23	The dissemination distance of mobile opportunistic networks. <i>Personal and Ubiquitous Computing</i> , <b>2015</b> , 19, 1011-1019	2.1	1
22	Interference Alignment and Fairness Algorithms for MIMO Cognitive Radio Systems. <i>Mobile Information Systems</i> , <b>2015</b> , 2015, 1-8	1.4	1
21	Game-Theoretic Beamforming and Power Allocation in MIMO Cognitive Radio Systems with Transmitter Antenna Correlation. <i>Mobile Information Systems</i> , <b>2015</b> , 2015, 1-7	1.4	1

20	Energy-efficient joint BS-RS sleep scheduling based on cellular automata in relay-aided cellular networks <b>2015</b> ,		1
19	A range-based sleep scheduling algorithm for desired area coverage in solar-powered wireless sensor networks <b>2014</b> ,		1
18	Transmit power allocation algorithm in cognitive radio MISO system based QPSK constellation. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , <b>2014</b> , 9, 258-261	1	1
17	Direction-of-Arrival Estimation of Virtual Array Signals Based on Doppler Effect. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 2015, 1-10	1.7	1
16	Method of Doppler Frequency Spread Estimation for High-Mobility OFDM Systems. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 2015, 1-6	1.7	1
15	A Hybrid Alarm Association Method Based on AP Clustering and Causality. <i>Wireless Communications and Mobile Computing</i> , <b>2021</b> , 2021, 1-10	1.9	1
14	Dynamically Subarray-Connected Hybrid Precoding Scheme for Multiuser Millimeter-Wave Massive MIMO Systems. <i>Wireless Communications and Mobile Computing</i> , <b>2021</b> , 2021, 1-10	1.9	1
13	Natural Backdoor Attacks on Deep Neural Networks via Raindrops. <i>Security and Communication Networks</i> , <b>2022</b> , 2022, 1-11	1.9	1
12	Anonymous and Traceable Authentication for Securing Data Sharing in Parking Edge Computing. <i>Peer-to-Peer Networking and Applications</i> , <b>2021</b> , 14, 2099-2114	3.1	0
11	Hybrid Precoding Algorithm for Millimeter-Wave Massive MIMO Systems with Subconnection Structures. <i>Wireless Communications and Mobile Computing</i> , <b>2021</b> , 2021, 1-9	1.9	0
10	Reference-Driven Undersampled MR Image Reconstruction Using Wavelet Sparsity-Constrained Deep Image Prior. <i>Computational and Mathematical Methods in Medicine</i> , <b>2021</b> , 2021, 8865582	2.8	0
9	Leakage-based beamforming via game theory for reverse spectrum auction in cellular offloading systems. <i>Physical Communication</i> , <b>2017</b> , 25, 341-347	2.2	
8	A Novel Delay Analysis for Polling Schemes with Power Management Under Heterogeneous Environments. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 401-413	0.9	
7	Auction-based spectrum allocation for CoMP systems utilizing hybrid division duplex. <i>Physical Communication</i> , <b>2017</b> , 25, 332-340	2.2	
6	A multi-greedy spectrum auction algorithm for cognitive small cell networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2017</b> , 13, 155014771771721	1.7	
5	SINGULAR PERIODIC WAVES OF AN INTEGRABLE EQUATION FROM SHORT CAPILLARY-GRAVITY WAVES. <i>Journal of Applied Analysis and Computation</i> , <b>2017</b> , 7, 1013-1021	0.4	
4	Performance of Energy Detection in Cognitive Radio Systems over a Multipath Fading Channel. <i>Lecture Notes in Electrical Engineering</i> , <b>2012</b> , 465-469	0.2	
3	Game Theoretic Joint Beamforming and Power Allocation for Cognitive MIMO Systems with Imperfect Channel State Information. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 507-518	0.9	

- 2 Game-Theoretic Joint Power Allocation and Feedback Rate Control for Cognitive MIMO Systems with Limited Feedback. *Lecture Notes in Computer Science*, **2014**, 531-541 0.9
- 1 Pilot Allocation and Data Power Optimization Based on Access Point Selection in Cell-Free Massive MIMO. *Wireless Communications and Mobile Computing*, **2022**, 2022, 1-10 1.9