

Feng Zhao

List of Publications by Year in descending order

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125
papers

1,688
citations

331259

21
h-index

315357

38
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127
all docs

127
docs citations

127
times ranked

1952
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Time Allocation for Wireless Information and Power Transfer in Wireless Powered Communication Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 1830-1835.	3.9	145
2	Energy Efficiency and Spectral-Efficiency Tradeoff in Amplify-and-Forward Relay Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 4366-4378.	3.9	110
3	Aggregate Interference Modeling in Cognitive Radio Networks with Power and Contention Control. IEEE Transactions on Communications, 2012, 60, 456-468.	4.9	83
4	A Reinforcement Learning-Based Sleep Scheduling Algorithm for Desired Area Coverage in Solar-Powered Wireless Sensor Networks. IEEE Sensors Journal, 2016, 16, 2763-2774.	2.4	75
5	Joint Spectrum and Power Allocation for NOMA Enhanced Relaying Networks. IEEE Access, 2019, 7, 27008-27016.	2.6	75
6	Spectral-Energy Efficiency Tradeoff in Relay-Aided Massive MIMO Cellular Networks With Pilot Contamination. IEEE Access, 2016, 4, 5234-5242.	2.6	62
7	Parked Vehicular Computing for Energy-Efficient Internet of Vehicles: A Contract Theoretic Approach. IEEE Internet of Things Journal, 2019, 6, 6079-6088.	5.5	58
8	Interference alignment and game-theoretic power allocation in MIMO Heterogeneous Sensor Networks communications. Signal Processing, 2016, 126, 173-179.	2.1	57
9	Group buying spectrum auction algorithm for fractional frequency reuse cognitive cellular systems. Ad Hoc Networks, 2017, 58, 239-246.	3.4	52
10	A Cooperative Co-Evolutionary Approach to Large-Scale Multisource Water Distribution Network Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 842-857.	7.5	52
11	Joint Beamforming and Power Allocation for Cognitive MIMO Systems Under Imperfect CSI Based on Game Theory. Wireless Personal Communications, 2013, 73, 679-694.	1.8	50
12	A deep reinforcement learning for user association and power control in heterogeneous networks. Ad Hoc Networks, 2020, 102, 102069.	3.4	48
13	A hybrid half-duplex/full-duplex transmission scheme in relay-aided cellular networks. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	1.5	45
14	Energy-Efficient Cooperative Spectrum Sensing with Amplify-and-Forward Relaying. IEEE Communications Letters, 2012, 16, 450-453.	2.5	42
15	NLOS identification for UWB localization based on import vector machine. AEU - International Journal of Electronics and Communications, 2018, 87, 128-133.	1.7	39
16	Outage performance of relay-assisted primary and secondary transmissions in cognitive relay networks. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	1.5	37
17	A parallel algorithm for network traffic anomaly detection based on Isolation Forest. International Journal of Distributed Sensor Networks, 2018, 14, 155014771881447.	1.3	34
18	Secure Transmission and Self-Energy Recycling With Partial Eavesdropper CSI. IEEE Journal on Selected Areas in Communications, 2018, 36, 1531-1543.	9.7	32

#	ARTICLE	IF	CITATIONS
19	Security in wearable communications. IEEE Network, 2016, 30, 61-67.	4.9	30
20	wChain: A Fast Fault-Tolerant Blockchain Protocol for Multihop Wireless Networks. IEEE Transactions on Wireless Communications, 2021, 20, 6915-6926.	6.1	28
21	Secure Data Transfer and Deletion from Counting Bloom Filter in Cloud Computing. Chinese Journal of Electronics, 2020, 29, 273-280.	0.7	24
22	Interference mitigation for cognitive radio MIMO systems based on practical precoding. Physical Communication, 2013, 9, 308-315.	1.2	21
23	Reference-Driven Compressed Sensing MR Image Reconstruction Using Deep Convolutional Neural Networks without Pre-Training. Sensors, 2020, 20, 308.	2.1	21
24	Co-Channel Interference Modeling in Cognitive Wireless Networks. IEEE Transactions on Communications, 2014, 62, 3114-3128.	4.9	18
25	The Potential of Mobile Opportunistic Networks for Data Disseminations. IEEE Transactions on Vehicular Technology, 2016, 65, 912-922.	3.9	18
26	A KNN Learning Algorithm for Collusion-Resistant Spectrum Auction in Small Cell Networks. IEEE Access, 2018, 6, 45796-45803.	2.6	18
27	Optimal quantisation bit budget for a spectrum sensing scheme in bandwidth-constrained cognitive sensor networks. IET Wireless Sensor Systems, 2011, 1, 144-150.	1.3	15
28	Provable data deletion from efficient data integrity auditing and insertion in cloud storage. Computer Standards and Interfaces, 2022, 82, 103629.	3.8	14
29	Localized Algorithms for Yao Graph-Based Spanner Construction in Wireless Networks Under SINR. IEEE/ACM Transactions on Networking, 2017, 25, 2459-2472.	2.6	13
30	Publicly Verifiable and Efficient Fine-Grained Data Deletion Scheme in Cloud Computing. IEEE Access, 2020, 8, 99393-99403.	2.6	13
31	Joint Pilot Allocation and Pilot Sequence Optimization in Massive MIMO Systems. IEEE Access, 2020, 8, 60637-60644.	2.6	13
32	Publicly verifiable outsourced data migration scheme supporting efficient integrity checking. Journal of Network and Computer Applications, 2021, 192, 103184.	5.8	13
33	Trajectory Optimization and Power Allocation Algorithm in MBS-Assisted Cell-Free Massive MIMO Systems. IEEE Access, 2021, 9, 30417-30425.	2.6	12
34	An Extensible and Flexible Truthful Auction Framework for Heterogeneous Spectrum Markets. IEEE Transactions on Cognitive Communications and Networking, 2016, 2, 427-441.	4.9	11
35	SSDNet: Small-World Super-Dense Device-to-Device Wireless Networks. IEEE Network, 2018, 32, 186-192.	4.9	11
36	Graph database-based network security situation awareness data storage method. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	11

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37	Echo State Network and Echo State Gaussian Process for Non-Line-of-Sight Target Tracking. IEEE Systems Journal, 2020, 14, 3885-3892.	2.9	11
38	Energy efficiency maximization of full-duplex two-way relay-assisted device-to-device communications underlying cellular networks. Eurasip Journal on Wireless Communications and Networking, 2016, .	1.5	10
39	A Base Station DTX Scheme for OFDMA Cellular Networks Powered by the Smart Grid. IEEE Access, 2018, , 1-1.	2.6	9
40	An extensible and flexible truthful auction framework for heterogeneous spectrum markets. , 2014, , .		8
41	Energy-efficient joint BS and RS sleep scheduling in relay-assisted cellular networks. Computer Networks, 2016, 100, 45-54.	3.2	8
42	Area Spectral Efficiency and Energy Efficiency Tradeoff in Ultradense Heterogeneous Networks. Wireless Communications and Mobile Computing, 2017, 2017, 1-8.	0.8	8
43	Low-Complexity Priority-Aware Interference-Avoidance Scheduling for Multi-user Coexisting Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 112-126.	6.1	8
44	Gated recurrent unit-based parallel network traffic anomaly detection using subbagging ensembles. Ad Hoc Networks, 2021, 116, 102465.	3.4	8
45	Reverse spectrum auction algorithm for cellular network offloading. Ad Hoc Networks, 2017, 58, 278-285.	3.4	7
46	Publicly verifiable data transfer and deletion scheme for cloud storage. International Journal of Distributed Sensor Networks, 2019, 15, 155014771987899.	1.3	7
47	Fairness-Driven Energy Efficient Resource Allocation in Uplink MIMO Enabled HetNets. IEEE Access, 2020, 8, 37229-37241.	2.6	7
48	A spectrum auction algorithm for cognitive distributed antenna systems. Ad Hoc Networks, 2017, 58, 269-277.	3.4	6
49	Energy-efficient power allocation for massive MIMO-enabled multi-way AF relay networks with channel aging. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	6
50	Multi-Slot Spectrum Auction in Heterogeneous Networks Based on Deep Feedforward Network. IEEE Access, 2018, 6, 45113-45119.	2.6	6
51	Utility analysis on privacy-preservation algorithms for online social networks: an empirical study. Personal and Ubiquitous Computing, 2021, 25, 1063-1079.	1.9	6
52	Performance analysis of energy harvesting multi-antenna relaying system over mixed Nakagami-m/Rician fading channels. Physical Communication, 2019, 34, 157-164.	1.2	6
53	Performance Analysis of MISINR User Association in 3-D Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4119-4129.	3.9	6
54	Pilot Allocation and Power Optimization of Massive MIMO Cellular Networks With Underlaid D2D Communications. IEEE Internet of Things Journal, 2021, 8, 15317-15333.	5.5	6

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55	Research of papr reduction method in multicarrier modulation system. , 0, , .		5
56	Capacity of Orthogonalized Weibull MIMO Channels Under Different Adaptive Transmission Techniques. Wireless Personal Communications, 2010, 55, 539-550.	1.8	5
57	Space-Time Correlation Properties of a 3D Two-Sphere Model for Non-Isotropic MIMO Mobile-to-Mobile Channels. , 2010, , .		5
58	Interference Mitigation between Ultra-Wideband Sensor Network and Other Legal Systems. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	1.5	5
59	An energy-saving cluster routing for wireless sensor networks with mobile sink. , 2010, , .		5
60	A Sleep Scheduling Algorithm for Target Tracking in Energy Harvesting Sensor Networks. , 2014, , .		5
61	Energy Efficiency Maximization of Full-Duplex and Half-Duplex D2D Communications Underlying Cellular Networks. Mobile Information Systems, 2016, 2016, 1-15.	0.4	5
62	Fundamental Analysis on Data Dissemination in Mobile Opportunistic Networks with LÃ©vy Mobility. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	5
63	Efficient Sleep Scheduling Algorithm for Target Tracking in Double-Storage Energy Harvesting Sensor Networks. International Journal of Distributed Sensor Networks, 2016, 12, 4134735.	1.3	5
64	Estimator Goore Game based quality of service control with incomplete information for wireless sensor networks. Signal Processing, 2016, 126, 77-86.	2.1	5
65	Stochastic Geometry Analysis of Downlink Spectral and Energy Efficiency in Ultradense Heterogeneous Cellular Networks. Mobile Information Systems, 2018, 2018, 1-10.	0.4	5
66	Performance of COFDM with different orthogonal bases on AWGN and frequency selective channel. , 0, , .		4
67	Transmission scheduling for broadcasting with two energyâ€­harvesting switching transmitters. IET Wireless Sensor Systems, 2013, 3, 138-144.	1.3	4
68	Outage performance of relay-assisted transmissions in cognitive full-duplex relay networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	4
69	A novel analysis of delay and power consumption for polling schemes in the IoT. Tsinghua Science and Technology, 2017, 22, 368-378.	4.1	4
70	An adaptive step-size spectrum auction mechanism for two-tier heterogeneous networks. Physical Communication, 2017, 25, 391-398.	1.2	4
71	Multiâ€­class import vector machine for transmit antenna selection in MIMO systems. Electronics Letters, 2020, 56, 62-65.	0.5	4
72	A Hybrid Alarm Association Method Based on AP Clustering and Causality. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	0.8	4

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73	A range-based sleep scheduling algorithm for desired area coverage in solar-powered wireless sensor networks. , 2014, , .		3
74	Energy-efficient mobile relay deployment scheme for cellular relay networks. Ad Hoc Networks, 2016, 51, 36-46.	3.4	3
75	Joint beamforming and power control for auction-based spectrum allocation in CoMP systems. Ad Hoc Networks, 2017, 58, 191-197.	3.4	3
76	Energy-Efficient Joint User Association and Power Allocation in Relay-Aided Massive MIMO Systems. Journal of Communications and Information Networks, 2018, 3, 67-74.	3.5	3
77	Reference-Driven Undersampled MR Image Reconstruction Using Wavelet Sparsity-Constrained Deep Image Prior. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-12.	0.7	3
78	Hybrid Precoding Algorithm for Millimeter-Wave Massive MIMO Systems with Subconnection Structures. Wireless Communications and Mobile Computing, 2021, 2021, 1-9.	0.8	3
79	A Leakage-Based Beamforming Algorithm for Cognitive MIMO Systems via Game Theory. Journal of Networks, 2013, 8, .	0.4	3
80	Natural Backdoor Attacks on Deep Neural Networks via Raindrops. Security and Communication Networks, 2022, 2022, 1-11.	1.0	3
81	Strategies of network coding against nodes conspiracy attack. Security and Communication Networks, 2015, 8, 2396-2403.	1.0	2
82	Interference Alignment and Fairness Algorithms for MIMO Cognitive Radio Systems. Mobile Information Systems, 2015, 2015, 1-8.	0.4	2
83	Game-Theoretic Beamforming and Power Allocation in MIMO Cognitive Radio Systems with Transmitter Antenna Correlation. Mobile Information Systems, 2015, 2015, 1-7.	0.4	2
84	Power allocation scheme based on sum capacity maximization for signal-to-leakage-and-noise ratio precoded multiuser multiple-input single-output downlink. Wireless Communications and Mobile Computing, 2015, 15, 685-698.	0.8	2
85	Stochastic geometry analysis of downlink energy efficiency for a relay deployment scheme in relay-assisted cellular networks. Telecommunication Systems, 2016, 63, 263-273.	1.6	2
86	Optimal time allocation for multi-antenna wireless powered heterogeneous sensor network communications under imperfect CSI. Signal Processing, 2016, 126, 159-164.	2.1	2
87	A spectrum auction algorithm based on joint power control and beamforming in small cell networks. Physical Communication, 2017, 25, 426-431.	1.2	2
88	Joint Beamforming and Power Allocation for Multiple Primary Users and Secondary Users in Cognitive MIMO Systems via Game Theory. KSII Transactions on Internet and Information Systems, 2013, 7, 1379-1397.	0.7	2
89	PAPR comparison of different orthogonal base in multicarrier systems. , 2005, , .		1
90	Simplified BER analysis of rate-compatible punctured convolutional coded cooperative system over slow Rayleigh fading channel. , 2009, , .		1

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91	Analysis on coexistence of UWB with IEEE802.11n. , 2010, , .		1
92	Capacity of MIMO broadcast channels in cognitive radio networks. , 2010, , .		1
93	A Study of MIMO Gaussian Channels Based on Synergetics. Wireless Personal Communications, 2012, 63, 167-176.	1.8	1
94	Transmit power allocation algorithm in cognitive radio MISO system based QPSK constellation. IEEE Transactions on Electrical and Electronic Engineering, 2014, 9, 258-261.	0.8	1
95	Game-Theoretic Joint Power Allocation and Beamforming for Cognitive MIMO Systems with Finite Feedback. Mobile Networks and Applications, 2014, 19, 512-521.	2.2	1
96	The dissemination distance of mobile opportunistic networks. Personal and Ubiquitous Computing, 2015, 19, 1011-1019.	1.9	1
97	Energy and spectral efficient mobile relay deployment in relay-aided cellular networks. , 2015, , .		1
98	Energy-efficient joint BS-RS sleep scheduling based on cellular automata in relay-aided cellular networks. , 2015, , .		1
99	Stackelberg game-based precoding and power allocation for spectrum auction in fractional frequency reuse cognitive cellular systems. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	1
100	Energy efficiency optimisation in full-duplex relay systems. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2926.	2.6	1
101	Exploiting social reciprocity for auction-based spectrum allocation in femtocell networks. International Journal of Distributed Sensor Networks, 2017, 13, 155014771771523.	1.3	1
102	Opportunistic half-duplex/full-duplex relaying mode selection criterion in cognitive relay networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	1
103	Dynamically Subarray-Connected Hybrid Precoding Scheme for Multiuser Millimeter-Wave Massive MIMO Systems. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	0.8	1
104	Anonymous and Traceable Authentication for Securing Data Sharing in Parking Edge Computing. Peer-to-Peer Networking and Applications, 2021, 14, 2099-2114.	2.6	1
105	Direction-of-Arrival Estimation of Virtual Array Signals Based on Doppler Effect. International Journal of Distributed Sensor Networks, 2015, 2015, 1-10.	1.3	1
106	Method of Doppler Frequency Spread Estimation for High-Mobility OFDM Systems. International Journal of Distributed Sensor Networks, 2015, 2015, 1-6.	1.3	1
107	Performance of turbo code on wofdm system on rayleigh fading channels. , 0, , .		0
108	Threshold method to reduce PAPR in wavelet based multicarrier modulation systems. , 2005, , .		0

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109	Research of Wavelet based Multicarrier Modulation system with Woven Convolutional Codes. , 2006, , .		0
110	Power allocation in cognitive MISO wireless networks. , 2010, , .		0
111	Aggregation Node Selection for Cooperative Spectrum Sensing in Cognitive Radio Networks. , 2011, , .		0
112	Rate optimization under amplify-and-forward based cooperation with single eavesdropper. , 2013, , .		0
113	Power allocation and transmitter switching for broadcasting with multiple energy harvesting transmitters. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	1.5	0
114	Balancing outage performance of primary user and secondary user by relay-assisted primary transmission. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.0	0
115	A novel interference alignment scheme for two-cell MIMO downlink channels. , 2014, , .		0
116	A Novel Delay Analysis for Polling Schemes with Power Management Under Heterogeneous Environments. Lecture Notes in Computer Science, 2016, , 401-413.	1.0	0
117	Leakage-based beamforming via game theory for reverse spectrum auction in cellular offloading systems. Physical Communication, 2017, 25, 341-347.	1.2	0
118	Auction-based spectrum allocation for CoMP systems utilizing hybrid division duplex. Physical Communication, 2017, 25, 332-340.	1.2	0
119	A multi-greedy spectrum auction algorithm for cognitive small cell networks. International Journal of Distributed Sensor Networks, 2017, 13, 155014771771721.	1.3	0
120	OGFNet: Original Resolution Subnetwork and GRU Based Feature Fusion Network for Image Denoising. , 2021, , .		0
121	Performance of Energy Detection in Cognitive Radio Systems over a Multipath Fading Channel. Lecture Notes in Electrical Engineering, 2012, , 465-469.	0.3	0
122	Game Theoretic Joint Beamforming and Power Allocation for Cognitive MIMO Systems with Imperfect Channel State Information. Lecture Notes in Computer Science, 2014, , 507-518.	1.0	0
123	Game-Theoretic Joint Power Allocation and Feedback Rate Control for Cognitive MIMO Systems with Limited Feedback. Lecture Notes in Computer Science, 2014, , 531-541.	1.0	0
124	SINGULAR PERIODIC WAVES OF AN INTEGRABLE EQUATION FROM SHORT CAPILLARY-GRAVITY WAVES. Journal of Applied Analysis and Computation, 2017, 7, 1013-1021.	0.2	0
125	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.	0.8	0