

Kun Zhu

List of Publications by Year in descending order

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76
papers

1,728
citations

361413

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39
g-index

76
all docs

76
docs citations

76
times ranked

1480
citing authors

#	ARTICLE	IF	CITATIONS
1	Full Spectrum Sharing in Cognitive Radio Networks Toward 5G: A Survey. IEEE Access, 2018, 6, 15754-15776.	4.2	236
2	Virtualization of 5G Cellular Networks as a Hierarchical Combinatorial Auction. IEEE Transactions on Mobile Computing, 2016, 15, 2640-2654.	5.8	155
3	An Evolutionary Game for Distributed Resource Allocation in Self-Organizing Small Cells. IEEE Transactions on Mobile Computing, 2015, 14, 274-287.	5.8	119
4	Pricing, Spectrum Sharing, and Service Selection in Two-Tier Small Cell Networks: A Hierarchical Dynamic Game Approach. IEEE Transactions on Mobile Computing, 2014, 13, 1843-1856.	5.8	111
5	Downlink Power Control in Two-Tier Cellular OFDMA Networks Under Uncertainties: A Robust Stackelberg Game. IEEE Transactions on Communications, 2015, 63, 520-535.	7.8	81
6	Joint Mode Selection and Spectrum Partitioning for Device-to-Device Communication: A Dynamic Stackelberg Game. IEEE Transactions on Wireless Communications, 2015, 14, 1406-1420.	9.2	74
7	Energy Consumption Minimization in UAV-Assisted Mobile-Edge Computing Systems: Joint Resource Allocation and Trajectory Design. IEEE Internet of Things Journal, 2021, 8, 8570-8584.	8.7	68
8	Joint Cache Placement, Flight Trajectory, and Transmission Power Optimization for Multi-UAV Assisted Wireless Networks. IEEE Transactions on Wireless Communications, 2020, 19, 5389-5403.	9.2	66
9	Green Internet of Vehicles (IoV) in the 6G Era: Toward Sustainable Vehicular Communications and Networking. IEEE Transactions on Green Communications and Networking, 2022, 6, 391-423.	5.5	61
10	Joint Trajectory Design and Resource Allocation for Secure Transmission in Cache-Enabled UAV-Relaying Networks With D2D Communications. IEEE Internet of Things Journal, 2021, 8, 1557-1571.	8.7	48
11	Energy-Efficient Mode Selection and Resource Allocation for D2D-Enabled Heterogeneous Networks: A Deep Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2021, 20, 1175-1187.	9.2	45
12	Applications of Multi-Agent Reinforcement Learning in Future Internet: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 1240-1279.	39.4	37
13	Incentive Mechanisms for Federated Learning: From Economic and Game Theoretic Perspective. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1566-1593.	7.9	36
14	Probabilistic Cache Placement in UAV-Assisted Networks With D2D Connections: Performance Analysis and Trajectory Optimization. IEEE Transactions on Communications, 2020, 68, 6331-6345.	7.8	35
15	Information-Utilization-Method-Assisted Multimodal Multiobjective Optimization and Application to Credit Card Fraud Detection. IEEE Transactions on Computational Social Systems, 2021, 8, 856-869.	4.4	31
16	Applications of Auction and Mechanism Design in Edge Computing: A Survey. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1034-1058.	7.9	27
17	Competition-Driven Multimodal Multiobjective Optimization and Its Application to Feature Selection for Credit Card Fraud Detection. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7845-7857.	9.3	24
18	A Generative Adversarial Learning-Based Approach for Cell Outage Detection in Self-Organizing Cellular Networks. IEEE Wireless Communications Letters, 2020, 9, 171-174.	5.0	23

#	ARTICLE	IF	CITATIONS
19	Aerial Refueling: Scheduling Wireless Energy Charging for UAV Enabled Data Collection. IEEE Transactions on Green Communications and Networking, 2022, 6, 1494-1510.	5.5	23
20	Passive Relaying Game for Wireless Powered Internet of Things in Backscatter-Aided Hybrid Radio Networks. IEEE Internet of Things Journal, 2019, 6, 8933-8944.	8.7	21
21	An Ensemble Learning Approach for Fault Diagnosis in Self-Organizing Heterogeneous Networks. IEEE Access, 2019, 7, 125662-125675.	4.2	21
22	A Queueing Game Based Management Framework for Fog Computing With Strategic Computing Speed Control. IEEE Transactions on Mobile Computing, 2022, 21, 1537-1551.	5.8	21
23	Joint Deployment Optimization and Flight Trajectory Planning for UAV Assisted IoT Data Collection: A Bilevel Optimization Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21492-21504.	8.0	21
24	Truthful Double Auction for Joint Internet of Energy and Profit Optimization in Cognitive Radio Networks. IEEE Access, 2018, 6, 23180-23190.	4.2	20
25	Workload Re-Allocation for Edge Computing With Server Collaboration: A Cooperative Queueing Game Approach. IEEE Transactions on Mobile Computing, 2023, 22, 3095-3111.	5.8	18
26	Ensemble Learning and SMOTE Based Fault Diagnosis System in Self-Organizing Cellular Networks. , 2017, , .		15
27	Beyond Model-Level Membership Privacy Leakage: an Adversarial Approach in Federated Learning. , 2020, , .		15
28	An Optimal Task Placement Strategy in Geo-Distributed Data Centers Involving Renewable Energy. IEEE Access, 2018, 6, 61948-61958.	4.2	13
29	Joint Online Optimization of Data Sampling Rate and Preprocessing Mode for Edge-Cloud Collaboration-Enabled Industrial IoT. IEEE Internet of Things Journal, 2022, 9, 16402-16417.	8.7	13
30	Distributed Clustering-Based Cooperative Vehicular Edge Computing for Real-Time Offloading Requests. IEEE Transactions on Vehicular Technology, 2022, 71, 653-669.	6.3	12
31	Energy Efficient Caching in Backhaul-Aware Cellular Networks with Dynamic Content Popularity. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	10
32	Joint Cache and Trajectory Optimization for Secure UAV-relaying with Underlaid D2D Communications. , 2020, , .		10
33	Active Learning-Based Fault Diagnosis in Self-Organizing Cellular Networks. IEEE Communications Letters, 2020, 24, 1734-1737.	4.1	10
34	Improvement of evolution process of dandelion algorithm with extreme learning machine for global optimization problems. Expert Systems With Applications, 2021, 163, 113803.	7.6	10
35	RF-RVM: Continuous Respiratory Volume Monitoring With COTS RFID Tags. IEEE Internet of Things Journal, 2021, 8, 12892-12901.	8.7	10
36	Cost-Effective Active Sparse Urban Sensing: Adversarial Autoencoder Approach. IEEE Internet of Things Journal, 2021, 8, 12064-12078.	8.7	10

#	ARTICLE	IF	CITATIONS
37	Context-Aware Decoupled Multiple Association in Ultra-Dense Networks. , 2018, , .		9
38	Performance Analysis of RF-Powered Cognitive Radio Networks with Integrated Ambient Backscatter Communications. Wireless Communications and Mobile Computing, 2018, 2018, 1-16.	1.2	9
39	Contextual Multi-Armed Bandit for Cache-Aware Decoupled Multiple Association in UDNs: A Deep Learning Approach. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1046-1059.	7.9	9
40	Decoupled Uplink-Downlink Association in Full-Duplex Cellular Networks: A Contract-Theory Approach. IEEE Transactions on Mobile Computing, 2022, 21, 911-925.	5.8	9
41	Competition-Driven Dandelion Algorithms With Historical Information Feedback. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 966-979.	9.3	9
42	Distributed Resource Allocation in RF-Powered Cognitive Ambient Backscatter Networks. IEEE Transactions on Green Communications and Networking, 2021, 5, 1657-1668.	5.5	9
43	Decoupled Multiple Association in Full-Duplex Ultra-Dense Networks: An Evolutionary Game Approach. , 2019, , .		7
44	Detection of Sleeping Cells in Self-Organizing Cellular Networks: An Adversarial Auto-Encoder Method. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 739-751.	7.9	7
45	Cost-Efficient Beam Management and Resource Allocation in Millimeter Wave Backhaul HetNets With Hybrid Energy Supply. IEEE Transactions on Wireless Communications, 2022, 21, 3291-3306.	9.2	7
46	Trajectory and Communication Design for Cache- Enabled UAVs in Cellular Networks: A Deep Reinforcement Learning Approach. IEEE Transactions on Mobile Computing, 2023, 22, 6190-6204.	5.8	7
47	Multi-Agent Deep Reinforcement Learning for Joint Decoupled User Association and Trajectory Design in Full-Duplex Multi-UAV Networks. IEEE Transactions on Mobile Computing, 2023, 22, 6056-6070.	5.8	7
48	Service provisioning with multiple service providers in 5G ultra-dense small cell networks. , 2015, , .		6
49	A Demand Response Scheme in Smart Grid with Clustering of Residential Customers. , 2019, , .		6
50	Root Cause Analysis for Self-organizing Cellular Network: an Active Learning Approach. Mobile Networks and Applications, 2020, 25, 2506-2516.	3.3	6
51	Revenue-Optimal Auction For Resource Allocation in Wireless Virtualization: A Deep Learning Approach. IEEE Transactions on Mobile Computing, 2022, 21, 1374-1387.	5.8	6
52	Fusion with distance-aware selection strategy for dandelion algorithm. Knowledge-Based Systems, 2020, 205, 106282.	7.1	5
53	Fast Admission Control and Power Optimization With Adaptive Rates for Communication Fairness in Wireless Networks. IEEE Transactions on Mobile Computing, 2021, 20, 1017-1026.	5.8	5
54	Evolutionary Weighted Broad Learning and Its Application to Fault Diagnosis in Self-Organizing Cellular Networks. IEEE Transactions on Cybernetics, 2023, 53, 3035-3047.	9.5	5

#	ARTICLE	IF	CITATIONS
55	Privacy-Aware Double Auction With Time-Dependent Valuation for Blockchain-Based Dynamic Spectrum Sharing in IoT Systems. IEEE Internet of Things Journal, 2023, 10, 6756-6768.	8.7	5
56	Hierarchical Combinatorial Auction in Computing Resource Allocation for Mobile Blockchain. Wireless Communications and Mobile Computing, 2020, 2020, 1-14.	1.2	4
57	GSMAC: GAN-Based Signal map Construction With Active Crowdsourcing. IEEE Transactions on Mobile Computing, 2023, 22, 2190-2204.	5.8	4
58	Dynamic Network Service Selection in Intelligent Reflecting Surface-Enabled Wireless Systems: Game Theory Approaches. IEEE Transactions on Wireless Communications, 2022, 21, 5947-5961.	9.2	4
59	Joint Decoupled Multiple-Association and Resource Allocation in Full-Duplex Heterogeneous Cellular Networks: A Four-Sided Matching Game. IEEE Transactions on Wireless Communications, 2022, 21, 6464-6477.	9.2	4
60	On the Profit Maximization of Spectrum Investment under Uncertainties in Cognitive Radio Networks. , 2018, , .		3
61	Dynamic Selection of Mining Pool with Different Reward Sharing Strategy in Blockchain Networks. , 2020, , .		3
62	Multi-Connection Based Scalable Video Streaming in UDNs: A Multi-Agent Multi-Armed Bandit Approach. IEEE Transactions on Wireless Communications, 2022, 21, 1156-1169.	9.2	3
63	Computation Offloading Game for Edge Computing with Strategic Local Pre-Processing Time-Length. , 2020, , .		3
64	Energy Generation Scheduling in Microgrids Involving Temporal-Correlated Renewable Energy. , 2017, , .		2
65	Cost-Effective Signal Map Crowdsourcing with Auto-Encoder Based Active Matrix Completion. , 2019, , .		2
66	Decoupled Uplink-Downlink User Association in Ultra-Dense Networks: A Contract-Theoretic Approach. , 2019, , .		2
67	Computation Resource Configuration for Vehicular Edge Computing: A Fluid-Model Based Approach. , 2021, , .		2
68	Computation Resource Configuration With Adaptive QoS Requirements for Vehicular Edge Computing: A Fluid-Model Based Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21148-21162.	8.0	2
69	Energy Efficient Caching in Backhaul-Aware Ultra-Dense Cellular Networks. , 2018, , .		1
70	Joint Optimization of Wireless Power Transfer and Collaborative Beamforming for Relay Communications. , 2018, , .		1
71	Adaptive Optimization with Max-Min Achievable Rate Fairness in Mobile Cloud Networking. , 2018, , .		1
72	Cost Sensitive Learning Based HEVC Screen Content Intra Coding for Mobile Devices. Mobile Networks and Applications, 2020, 25, 2471-2481.	3.3	1

#	ARTICLE	IF	CITATIONS
73	User-Level Membership Inference for Federated Learning in Wireless Network Environment. Wireless Communications and Mobile Computing, 2021, 2021, 1-17.	1.2	1
74	Reinforcement Learning for Trajectory Design in Cache-enabled UAV-assisted Cellular Networks. , 2022, , .		1
75	Coded Distributed Computing With Predictive Heterogeneous User Demands: A Learning Auction Approach. IEEE Journal on Selected Areas in Communications, 2022, 40, 2426-2439.	14.0	1
76	FIT: Fairness-Aware Intelligent Traffic Signal Control with Deep Reinforcement Learning. , 2021, , .		0