

Kun Zhu

List of Publications by Year in descending order

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papers

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citations

361413

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times ranked

1480
citing authors

#	ARTICLE	IF	CITATIONS
1	GSMAC: GAN-Based Signal map Construction With Active Crowdsourcing. IEEE Transactions on Mobile Computing, 2023, 22, 2190-2204.	5.8	4
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	Competition-Driven Dandelion Algorithms With Historical Information Feedback. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 966-979.	9.3	9
10	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
11	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
12	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
13	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
14	Distributed Clustering-Based Cooperative Vehicular Edge Computing for Real-Time Offloading Requests. IEEE Transactions on Vehicular Technology, 2022, 71, 653-669.	6.3	12
15	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
16	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
17	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
18	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

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19	Applications of Multi-Agent Reinforcement Learning in Future Internet: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 1240-1279.	39.4	37
20	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
21	Reinforcement Learning for Trajectory Design in Cache-enabled UAV-assisted Cellular Networks. , 2022, , .		1
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	Distributed Resource Allocation in RF-Powered Cognitive Ambient Backscatter Networks. IEEE Transactions on Green Communications and Networking, 2021, 5, 1657-1668.	5.5	9
32	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
33	Computation Resource Configuration for Vehicular Edge Computing: A Fluid-Model Based Approach. , 2021, , .		2
34	RF-RVM: Continuous Respiratory Volume Monitoring With COTS RFID Tags. IEEE Internet of Things Journal, 2021, 8, 12892-12901.	8.7	10
35	Cost-Effective Active Sparse Urban Sensing: Adversarial Autoencoder Approach. IEEE Internet of Things Journal, 2021, 8, 12064-12078.	8.7	10
36	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

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37	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
38	User-Level Membership Inference for Federated Learning in Wireless Network Environment. Wireless Communications and Mobile Computing, 2021, 2021, 1-17.	1.2	1
39	FIT: Fairness-Aware Intelligent Traffic Signal Control with Deep Reinforcement Learning. , 2021, , .		0
40	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
41	Hierarchical Combinatorial Auction in Computing Resource Allocation for Mobile Blockchain. Wireless Communications and Mobile Computing, 2020, 2020, 1-14.	1.2	4
42	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
43	Fusion with distance-aware selection strategy for dandelion algorithm. Knowledge-Based Systems, 2020, 205, 106282.	7.1	5
44	Root Cause Analysis for Self-organizing Cellular Network: an Active Learning Approach. Mobile Networks and Applications, 2020, 25, 2506-2516.	3.3	6
45	Cost Sensitive Learning Based HEVC Screen Content Intra Coding for Mobile Devices. Mobile Networks and Applications, 2020, 25, 2471-2481.	3.3	1
46	Beyond Model-Level Membership Privacy Leakage: an Adversarial Approach in Federated Learning. , 2020, , .		15
47	Joint Cache and Trajectory Optimization for Secure UAV-relaying with Underlaid D2D Communications. , 2020, , .		10
48	Dynamic Selection of Mining Pool with Different Reward Sharing Strategy in Blockchain Networks. , 2020, , .		3
49	Active Learning-Based Fault Diagnosis in Self-Organizing Cellular Networks. IEEE Communications Letters, 2020, 24, 1734-1737.	4.1	10
50	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
51	Computation Offloading Game for Edge Computing with Strategic Local Pre-Processing Time-Length. , 2020, , .		3
52	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
53	An Ensemble Learning Approach for Fault Diagnosis in Self-Organizing Heterogeneous Networks. IEEE Access, 2019, 7, 125662-125675.	4.2	21
54	Decoupled Multiple Association in Full-Duplex Ultra-Dense Networks: An Evolutionary Game Approach. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
55	Cost-Effective Signal Map Crowdsourcing with Auto-Encoder Based Active Matrix Completion. , 2019, , .		2
56	A Demand Response Scheme in Smart Grid with Clustering of Residential Customers. , 2019, , .		6
57	Decoupled Uplink-Downlink User Association in Ultra-Dense Networks: A Contract-Theoretic Approach. , 2019, , .		2
58	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
59	Full Spectrum Sharing in Cognitive Radio Networks Toward 5G: A Survey. IEEE Access, 2018, 6, 15754-15776.	4.2	236
60	Context-Aware Decoupled Multiple Association in Ultra-Dense Networks. , 2018, , .		9
61	Energy Efficient Caching in Backhaul-Aware Ultra-Dense Cellular Networks. , 2018, , .		1
62	Joint Optimization of Wireless Power Transfer and Collaborative Beamforming for Relay Communications. , 2018, , .		1
63	An Optimal Task Placement Strategy in Geo-Distributed Data Centers Involving Renewable Energy. IEEE Access, 2018, 6, 61948-61958.	4.2	13
64	On the Profit Maximization of Spectrum Investment under Uncertainties in Cognitive Radio Networks. , 2018, , .		3
65	Adaptive Optimization with Max-Min Achievable Rate Fairness in Mobile Cloud Networking. , 2018, , .		1
66	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
67	Energy Efficient Caching in Backhaul-Aware Cellular Networks with Dynamic Content Popularity. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	10
68	Truthful Double Auction for Joint Internet of Energy and Profit Optimization in Cognitive Radio Networks. IEEE Access, 2018, 6, 23180-23190.	4.2	20
69	Energy Generation Scheduling in Microgrids Involving Temporal-Correlated Renewable Energy. , 2017, , .		2
70	Ensemble Learning and SMOTE Based Fault Diagnosis System in Self-Organizing Cellular Networks. , 2017, , .		15
71	Virtualization of 5G Cellular Networks as a Hierarchical Combinatorial Auction. IEEE Transactions on Mobile Computing, 2016, 15, 2640-2654.	5.8	155
72	Service provisioning with multiple service providers in 5G ultra-dense small cell networks. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	An Evolutionary Game for Distributed Resource Allocation in Self-Organizing Small Cells. IEEE Transactions on Mobile Computing, 2015, 14, 274-287.	5.8	119
76	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