Jie Wu

List of Publications by Year in descending order

635 papers	12,832 citations	47006 47 h-index	66911 78 g-index
640 all docs	640 docs citations	640 times ranked	7802 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	SDTP: Accelerating Wide-Area Data Analytics With Simultaneous Data Transfer and Processing. IEEE Transactions on Cloud Computing, 2023, 11, 911-926.	4.4	2
3	Incentive Mechanism for Spatial Crowdsourcing With Unknown Social-Aware Workers: A Three-Stage Stackelberg Game Approach. IEEE Transactions on Mobile Computing, 2023, 22, 4698-4713.	5.8	15
4	Truthful User Recruitment for Cooperative Crowdsensing Task: A Combinatorial Multi-Armed Bandit Approach. IEEE Transactions on Mobile Computing, 2023, 22, 4314-4331.	5.8	5
5	Edge Resource Pricing and Scheduling for Blockchain: A Stackelberg Game Approach. IEEE Transactions on Services Computing, 2023, 16, 1093-1106.	4.6	2
6	Time management in a chess game through machine learning. International Journal of Parallel, Emergent and Distributed Systems, 2023, 38, 14-34.	1.0	1
7	Enabling Verifiable and Dynamic Ranked Search over Outsourced Data. IEEE Transactions on Services Computing, 2022, 15, 69-82.	4.6	102
8	Secure Voice Input on Augmented Reality Headsets. IEEE Transactions on Mobile Computing, 2022, 21, 1420-1433.	5.8	1
9	Prime Inner Product Encoding for Effective Wildcard-Based Multi-Keyword Fuzzy Search. IEEE Transactions on Services Computing, 2022, 15, 1799-1812.	4.6	30
10	Spatial-Temporal Inventory Rebalancing for Bike Sharing Systems With Worker Recruitment. IEEE Transactions on Mobile Computing, 2022, 21, 1081-1095.	5.8	14
11	Optimal Filter Assignment Policy Against Distributed Denial-of-Service Attack. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 339-352.	5.4	4
12	Towards Revenue-Driven Multi-User Online Task Offloading in Edge Computing. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1185-1198.	5.6	18
13	CMAB-Based Reverse Auction for Unknown Worker Recruitment in Mobile Crowdsensing. IEEE Transactions on Mobile Computing, 2022, 21, 3502-3518.	5.8	33
14	Adaptive Configuration Selection and Bandwidth Allocation for Edge-Based Video Analytics. IEEE/ACM Transactions on Networking, 2022, 30, 285-298.	3.8	19
15	ARSpy: Breaking Location-Based Multi-Player Augmented Reality Application for User Location Tracking. IEEE Transactions on Mobile Computing, 2022, 21, 433-447.	5.8	20
16	Multi-Leader Multi-Follower Stackelberg Game in Mobile Blockchain Mining. IEEE Transactions on Mobile Computing, 2022, 21, 2058-2071.	5.8	12
17	RAIM: A Reverse Auction-Based Incentive Mechanism for Mobile Data Offloading Through Opportunistic Mobile Networks. IEEE Transactions on Network Science and Engineering, 2022, 9, 3909-3921.	6.4	11
18	A collaborative deep learning microservice for backdoor defenses in Industrial IoT networks. Ad Hoc Networks, 2022, 124, 102727.	5.5	7

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19	A reward response game in the blockchain-powered federated learning system. International Journal of Parallel, Emergent and Distributed Systems, 2022, 37, 68-90.	1.0	2
20	Towards Wireless Power Transfer in Mobile Social Networks. IEEE Transactions on Network Science and Engineering, 2022, 9, 1091-1103.	6.4	4
21	Construction of Dual-CISTs on an Infinite Class of Networks. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1902-1910.	5.6	1
22	Voice Liveness Detection for Voice Assistants Through Ear Canal Pressure Monitoring. IEEE Transactions on Network Science and Engineering, 2022, 9, 1225-1234.	6.4	3
23	Preface of special issue on Artificial Intelligence: The security & privacy opportunities and challenges for emerging applications. Future Generation Computer Systems, 2022, 133, 169-170.	7.5	2
24	Swarm Intelligent Optimization Conjunction with Kriging Model for Bridge Structure Finite Element Model Updating. Buildings, 2022, 12, 504.	3.1	6
25	On Increasing Scalability and Liquidation of Lightning Networks for Blockchains. IEEE Transactions on Network Science and Engineering, 2022, 9, 2589-2600.	6.4	7
26	Modelling Soil Temperature by Tree-Based Machine Learning Methods in Different Climatic Regions of China. Applied Sciences (Switzerland), 2022, 12, 5088.	2.5	2
27	Joint Dynamic Grouping and Gradient Coding for Time-Critical Distributed Machine Learning in Heterogeneous Edge Networks. IEEE Internet of Things Journal, 2022, 9, 22723-22736.	8.7	1
28	Edge Resource Prediction and Auction for Distributed Spatial Crowdsourcing With Differential Privacy. IEEE Internet of Things Journal, 2022, 9, 15554-15569.	8.7	4
29	Bilateral Privacy-Preserving Worker Selection in Spatial Crowdsourcing. IEEE Transactions on Dependable and Secure Computing, 2022, , 1-14.	5.4	5
30	Distributed and Secure Uplink Power Control in Dynamic Spectrum Access. IEEE Transactions on Wireless Communications, 2022, 21, 10242-10256.	9.2	1
31	Worker Selection Towards Data Completion for Online Sparse Crowdsensing. , 2022, , .		6
32	Unreliable Multi-hop Networks Routing Protocol For Age of Information-Sensitive Communication. , 2022, , .		1
33	Privacy-Preserving Online Task Assignment in Spatial Crowdsourcing: A Graph-based Approach. , 2022, , .		10
34	When Deep Learning Meets Steganography: Protecting Inference Privacy in the Dark. , 2022, , .		3
35	Indoor Human Fall Detection Algorithm Based on Wireless Sensing. Tsinghua Science and Technology, 2022, 27, 1002-1015.	6.1	3
36	Competitive influence maximisation model with monetary incentive. International Journal of Parallel, Emergent and Distributed Systems, 2022, 37, 680-695.	1.0	1

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37	Exploiting Reliable and Scalable Multicast Services in IaaS Datacenters. IEEE Transactions on Services Computing, 2021, 14, 1370-1383.	4.6	6
38	Auction-Based VM Allocation for Deadline-Sensitive Tasks in Distributed Edge Cloud. IEEE Transactions on Services Computing, 2021, 14, 1702-1716.	4.6	46
39	Joint Scheduling of Overlapping MapReduce Phases: Pair Jobs for Optimization. IEEE Transactions on Services Computing, 2021, 14, 1453-1463.	4.6	3
40	Differentially Private Unknown Worker Recruitment for Mobile Crowdsensing Using Multi-Armed Bandits. IEEE Transactions on Mobile Computing, 2021, 20, 2779-2794.	5.8	32
41	Inference Attack-Resistant E-Healthcare Cloud System with Fine-Grained Access Control. IEEE Transactions on Services Computing, 2021, 14, 167-178.	4.6	13
42	Cost-Efficient Heterogeneous Worker Recruitment under Coverage Requirement in Spatial Crowdsourcing. IEEE Transactions on Big Data, 2021, 7, 407-420.	6.1	18
43	Improving Spectrum Efficiency of Cell-Edge Devices by Incentive Architecture Applications With Dynamic Charging. IEEE Transactions on Industrial Informatics, 2021, 17, 795-808.	11.3	10
44	Flow Scheduling of Service Chain Processing in a NFV-Based Network. IEEE Transactions on Network Science and Engineering, 2021, 8, 389-399.	6.4	7
45	Multiâ€resource allocation in cloud data centers: A tradeâ€off on fairness and efficiency. Concurrency Computation Practice and Experience, 2021, 33, e6061.	2.2	6
46	Device-Free Secure Interaction With Hand Gestures in WiFi-Enabled IoT Environment. IEEE Internet of Things Journal, 2021, 8, 5619-5631.	8.7	12
47	A Secure Scheme Based on One-Way Associated Key Management Model in Wireless Sensor Networks. IEEE Internet of Things Journal, 2021, 8, 2920-2930.	8.7	7
48	Mitigation of the spectrum sensing data falsifying attack in cognitive radio networks. Cyber-Physical Systems, 2021, 7, 159-178.	2.0	4
49	Interaction-Oriented Service Entity Placement in Edge Computing. IEEE Transactions on Mobile Computing, 2021, 20, 1064-1075.	5.8	22
50	Dynamic Online User Recruitment With (Non-) Submodular Utility in Mobile CrowdSensing. IEEE/ACM Transactions on Networking, 2021, 29, 2156-2169.	3.8	12
51	Latency-Efficient VNF Deployment and Path Routing for Reliable Service Chain. IEEE Transactions on Network Science and Engineering, 2021, 8, 651-661.	6.4	9
52	Budgeted Unknown Worker Recruitment for Heterogeneous Crowdsensing Using CMAB. IEEE Transactions on Mobile Computing, 2021, , 1-1.	5.8	14
53	Sampling Rate Distribution for Flow Monitoring and DDoS Detection in Datacenter. IEEE Transactions on Information Forensics and Security, 2021, 16, 2524-2534.	6.9	14
54	ATU: An Aggregate-Then-Update Diffusion Intelligent Estimation Scheme for Adaptive Networked Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, , 1-12.	9.3	0

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55	Grouping Service Chains of Multiple Flows in NFV-Based Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 377-388.	6.4	0
56	Traffic Engineering to Minimize the Number of Rules in SDN Datacenters. IEEE Transactions on Network Science and Engineering, 2021, 8, 1467-1477.	6.4	3
57	Minimizing Training Time of Distributed Machine Learning by Reducing Data Communication. IEEE Transactions on Network Science and Engineering, 2021, 8, 1802-1814.	6.4	13
58	Cuttlefish: Neural Configuration Adaptation for Video Analysis in Live Augmented Reality. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 830-841.	5.6	13
59	Auction-Based Combinatorial Multi-Armed Bandit Mechanisms with Strategic Arms. , 2021, , .		11
60	Secure Multi-keyword Fuzzy Searches With Enhanced Service Quality in Cloud Computing. IEEE Transactions on Network and Service Management, 2021, 18, 2046-2062.	4.9	40
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66	Distributed Game-Theoretical Route Navigation for Vehicular Crowdsensing. , 2021, , .		2
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69	LightFed: An Efficient and Secure Federated Edge Learning System on Model Splitting. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	5.6	9
70	Stackelberg Game Based Resource Pricing and Scheduling in Edge-Assisted Blockchain Networks. , 2021, , .		1
71	Improvements to Worker Assignment in Bike Sharing Systems. , 2021, , .		2
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73	Placement Optimization for Advertisement Dissemination in Smart City. IEEE Transactions on Network Science and Engineering, 2020, 7, 239-252.	6.4	6
74	EliMFS: Achieving Efficient, Leakage-Resilient, and Multi-Keyword Fuzzy Search on Encrypted Cloud Data. IEEE Transactions on Services Computing, 2020, 13, 1072-1085.	4.6	24
75	Hierarchical and Hybrid: Mobility-Compatible Database-Assisted Framework for Dynamic Spectrum Access. IEEE Transactions on Network Science and Engineering, 2020, 7, 216-226.	6.4	6
76	Event Detection Through Differential Pattern Mining in Cyber-Physical Systems. IEEE Transactions on Big Data, 2020, 6, 652-665.	6.1	14
77	DCAuth: Data-Centric Authentication for Secure In-Network Big-Data Retrieval. IEEE Transactions on Network Science and Engineering, 2020, 7, 15-27.	6.4	13
78	User Recruitment System for Efficient Photo Collection in Mobile Crowdsensing. IEEE Transactions on Human-Machine Systems, 2020, 50, 1-12.	3.5	12
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82	Budgeted video replacement policy in mobile crowdsensing. Journal of Parallel and Distributed Computing, 2020, 136, 1-13.	4.1	2
83	Geographical Correlation-Based Data Collection for Sensor-Augmented RFID Systems. IEEE Transactions on Mobile Computing, 2020, 19, 2344-2357.	5.8	4
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87	Preserving Balance Between Privacy and Data Integrity in Edge-Assisted Internet of Things. IEEE Internet of Things Journal, 2020, 7, 2679-2689.	8.7	89
88	User Recruitment for Enhancing Data Inference Accuracy in Sparse Mobile Crowdsensing. IEEE Internet of Things Journal, 2020, 7, 1802-1814.	8.7	39
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94	Joint Server Assignment and Resource Management for Edge-Based MAR System. IEEE/ACM Transactions on Networking, 2020, 28, 2378-2391.	3.8	21
95	Cloaking Region Based Passenger Privacy Protection in Ride-Hailing Systems. Journal of Computer Science and Technology, 2020, 35, 629-646.	1.5	3
96	Provably Efficient Resource Allocation for Edge Service Entities Using Hermes. IEEE/ACM Transactions on Networking, 2020, 28, 1684-1697.	3.8	6
97	Minimizing The Number of Channel Switches of Mobile Users in Cognitive Radio Ad-Hoc Networks. Journal of Sensor and Actuator Networks, 2020, 9, 23.	3.9	3
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99	Maximized Privacy-Preserving Outsourcing on Support Vector Clustering. Electronics (Switzerland), 2020, 9, 178.	3.1	5
100	Privacy-Preserving User Recruitment Protocol for Mobile Crowdsensing. IEEE/ACM Transactions on Networking, 2020, 28, 519-532.	3.8	28
101	DRAIM: A Novel Delay-Constraint and Reverse Auction-Based Incentive Mechanism for WiFi Offloading. IEEE Journal on Selected Areas in Communications, 2020, 38, 711-722.	14.0	71
102	On authenticated skyline query processing over road networks. Concurrency Computation Practice and Experience, 2020, , e5747.	2.2	0
103	Multi-Agent Reinforcement Learning for Cooperative Edge Caching in Internet of Vehicles. , 2020, , .		13
104	Voice Liveness Detection for Voice Assistants using Ear Canal Pressure. , 2020, , .		5
105	Fine-grained Urban Prediction via Sparse Mobile CrowdSensing. , 2020, , .		7
106	Near-accurate Multiset Reconciliation. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 952-964.	5.7	5
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109	A Utility-Based Optimization Framework for Edge Service Entity Caching. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2384-2395.	5.6	25
110	Secure Data Communications in Wireless Networks Using Multi-Path Avoidance Routing. IEEE Transactions on Wireless Communications, 2019, 18, 4753-4767.	9.2	17
111	Selecting optimal mobile users for long-term environmental monitoring by crowdsourcing. , 2019, , .		12
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113	Optimizing Order Dispatch for Ride-Sharing Systems. , 2019, , .		15
114	A Client-Biased Cooperative Search Scheme in Blockchain-Based Data Markets. , 2019, , .		3
115	Bringing the Functionality of Tag Sampling to Reality for COTS RFID Systems. IEEE Communications Letters, 2019, 23, 1254-1258.	4.1	0
116	Co-Existence of LTE-U and Wi-Fi with Direct Communication. , 2019, , .		3
117	On Maximum Elastic Scheduling in Cloud-Based Data Center Networks for Virtual Machines with the Hose Model. Journal of Computer Science and Technology, 2019, 34, 185-206.	1.5	2
118	A novel smartphone-based evaluation system of pedestrian-induced footbridge vibration comfort. Advances in Structural Engineering, 2019, 22, 1685-1697.	2.4	5
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122	A Privacy-Preserving Order Dispatch Scheme for Ride-Hailing Services. , 2019, , .		7
123	Unknown Worker Recruitment with Budget and Covering Constraints for Mobile Crowdsensing. , 2019, , .		4
124	A Capacity-Aware Distributed Denial-of-Service Attack in Low-Power and Lossy Networks. , 2019, , .		2
125	Optimal Monitor Placement Policy Against Distributed Denial-of-Service Attack in Datacenter. , 2019, , .		1
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127	When Learning Joins Edge: Real-Time Proportional Computation Offloading via Deep Reinforcement Learning. , 2019, , .		7
128	Cost-Effective Signal Map Crowdsourcing with Auto-Encoder Based Active Matrix Completion. , 2019, , .		2
129	Bitcoin Mining with Transaction Fees: A Game on the Block Size. , 2019, , .		17
130	Online NFV-Enabled Multicasting in Mobile Edge Cloud Networks. , 2019, , .		14
131	Exploiting Mobile Social Networks From Temporal Perspective: A Survey. IEEE Access, 2019, 7, 180818-180834.	4.2	1
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133	On Anonymous Routing in Delay Tolerant Networks. IEEE Transactions on Mobile Computing, 2019, 18, 2926-2940.	5.8	12
134	Big Data Processing With Minimal Delay and Guaranteed Data Resolution in Disaster Areas. IEEE Transactions on Vehicular Technology, 2019, 68, 3833-3842.	6.3	8
135	A Prediction-Based User Selection Framework for Heterogeneous Mobile CrowdSensing. IEEE Transactions on Mobile Computing, 2019, 18, 2460-2473.	5.8	64
136	Consistency, Feasibility, and Optimality of Network Update in SDNs. IEEE Transactions on Network Science and Engineering, 2019, 6, 824-835.	6.4	5
137	Congestion-Minimizing Network Update in Data Centers. IEEE Transactions on Services Computing, 2019, 12, 800-812.	4.6	5
138	A (<inline-formula> <tex-math notation="LaTeX">${M}$ </tex-math>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 312 Td (< in Unattended Sensor Networks. IEEE Wireless Communications Letters, 2018, 7, 250-253.	5.0	6
139	meGautz: A High Capacity, Fault-Tolerant and Traffic Isolated Modular Datacenter Network. IEEE Transactions on Services Computing, 2018, 11, 117-130.	4.6	0
140	An Efficient Prediction-Based User Recruitment for Mobile Crowdsensing. IEEE Transactions on Mobile Computing, 2018, 17, 16-28.	5.8	146
141	2-Dominant Resource Fairness: Fairness-Efficiency Tradeoffs in Multi-resource Allocation. , 2018, , .		2
142	Filter Assignment Policy Against Distributed Denial-of-Service Attack. , 2018, , .		7
143	Software-Defined Networking Switches for Fast Single-Link Failure Recovery. Journal of Interconnection Networks, 2018, 18, 1850014.	1.0	0
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145	Approximation Algorithms for Dependency-Aware Rule-Caching in Software-Defined Networks. , 2018, , .		4
146	Enhancing Smartphone-Based Multi-modal Indoor Localization with Camera and WiFi Signal. , 2018, , .		0
147	Defending Against Voice Spoofing: A Robust Software-Based Liveness Detection System. , 2018, , .		16
148	Data Utility Maximization When Leveraging Crowdsensing in Machine Learning. , 2018, , .		2
149	Data Exchange in Delay Tolerant Networks using Joint Inter- and Intra-Flow Network Coding. , 2018, , .		0
150	A Greedy Approach for Vehicle Routing When Rebalancing Bike Sharing Systems. , 2018, , .		9
151	SRVoice: A Robust Sparse Representation-Based Liveness Detection System. , 2018, , .		8
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158	Envisioning an Information Assurance and Performance Infrastructure for the Internet of Things. , 2018, , .		3
159	Enabling Fair Spectrum Sharing between Wi-Fi and LTE-Unlicensed. , 2018, , .		4
160	Towards the Partitioning Problem in Software-Defined IoT Networks for Urban Sensing. , 2018, , .		1
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162	Efficient Interference Estimation with Accuracy Control for Data-Driven Resource Allocation in Cloud-RAN. Sensors, 2018, 18, 3000.	3.8	3

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174	Optimizing Itinerary Selection and Charging Association for Mobile Chargers. IEEE Transactions on Mobile Computing, 2017, 16, 2833-2846.	5.8	43
175	Friend Recommendation in Online Social Networks: Perspective of Social Influence Maximization. , 2017, , .		10
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182	DABKS: Dynamic attribute-based keyword search in cloud computing. , 2017, , .		17
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185	System Identification of One Historical Bridge Using Dynamic Test Data. Arabian Journal for Science and Engineering, 2017, 42, 4145-4155.	3.0	3
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195	Achieving Fair Spectrum Allocation for Co-Existing Heterogeneous Secondary User Networks. , 2017, , .		2
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