Zhipeng Cai

List of Publications by Year
in descending order

287 papers	9,329 citations	53794 45 h-index	60623 81 g-index
293 all docs	293 docs citations	293 times ranked	4796 citing authors

#	Article	IF	Citations
1	A Private and Efficient Mechanism for Data Uploading in Smart Cyber-Physical Systems. IEEE Transactions on Network Science and Engineering, 2020, 7, 766-775.	6.4	439
2	Privacy-Preserved Data Sharing Towards Multiple Parties in Industrial IoTs. IEEE Journal on Selected Areas in Communications, 2020, 38, 968-979.	14.0	338
3	Deep Learning Based Inference of Private Information Using Embedded Sensors in Smart Devices. IEEE Network, 2018, 32, 8-14.	6.9	304
4	Collective Data-Sanitization for Preventing Sensitive Information Inference Attacks in Social Networks. IEEE Transactions on Dependable and Secure Computing, 2016, , 1-1.	5.4	236
5	Cost-Efficient Strategies for Restraining Rumor Spreading in Mobile Social Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2789-2800.	6.3	232
6	Trading Private Range Counting over Big IoT Data. , 2019, , .		219
7	Artificial intelligence: A powerful paradigm for scientific research. Innovation(China), 2021, 2, 100179.	9.1	200
8	A Differential-Private Framework for Urban Traffic Flows Estimation via Taxi Companies. IEEE Transactions on Industrial Informatics, 2019, 15, 6492-6499.	11.3	187
9	Generative Adversarial Networks. ACM Computing Surveys, 2022, 54, 1-38.	23.0	180
10	An incentive mechanism with privacy protection in mobile crowdsourcing systems. Computer Networks, 2016, 102, 157-171.	5.1	173
11	Data Linkage in Smart Internet of Things Systems: A Consideration from a Privacy Perspective. IEEE Communications Magazine, 2018, 56, 55-61.	6.1	150
12	zkCrowd: A Hybrid Blockchain-Based Crowdsourcing Platform. IEEE Transactions on Industrial Informatics, 2020, 16, 4196-4205.	11.3	147
13	Extracting Kernel Dataset from Big Sensory Data in Wireless Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 813-827.	5.7	146
14	Latent-Data Privacy Preserving With Customized Data Utility for Social Network Data. IEEE Transactions on Vehicular Technology, 2018, 67, 665-673.	6.3	145
15	Approximate aggregation for tracking quantiles and range countings in wireless sensor networks. Theoretical Computer Science, 2015, 607, 381-390.	0.9	143
16	Curve Query Processing in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5198-5209.	6.3	127
17	Task Scheduling in Deadline-Aware Mobile Edge Computing Systems. IEEE Internet of Things Journal, 2019, 6, 4854-4866.	8.7	121
18	A Computational Framework for Influenza Antigenic Cartography. PLoS Computational Biology, 2010, 6, e1000949.	3.2	119

#	ARTICLE	IF	CITATIONS
19	Follow But No Track: Privacy Preserved Profile Publishing in Cyber-Physical Social Systems. IEEE Internet of Things Journal, 2017, 4, 1868-1878.	8.7	115
20	Truthful incentive mechanism with location privacy-preserving for mobile crowdsourcing systems. Computer Networks, 2018, 135, 32-43.	5.1	111
21	Collaborative city digital twin for the COVID-19 pandemic: A federated learning solution. Tsinghua Science and Technology, 2021, 26, 759-771.	6.1	109
22	Realizing the Heterogeneity: A Self-Organized Federated Learning Framework for IoT. IEEE Internet of Things Journal, 2021, 8, 3088-3098.	8.7	106
23	An Optimization and Auction-Based Incentive Mechanism to Maximize Social Welfare for Mobile Crowdsourcing. IEEE Transactions on Computational Social Systems, 2019, 6, 414-429.	4.4	103
24	A trust-based probabilistic recommendation model for social networks. Journal of Network and Computer Applications, 2015, 55, 59-67.	9.1	98
25	Drawing dominant dataset from big sensory data in wireless sensor networks. , 2015, , .		91
26	Stochastic Load Balancing for Virtual Resource Management in Datacenters. IEEE Transactions on Cloud Computing, 2020, 8, 459-472.	4.4	91
27	FakeMask: A Novel Privacy Preserving Approach for Smartphones. IEEE Transactions on Network and Service Management, 2016, 13, 335-348.	4.9	88
28	Distributed Auctions for Task Assignment and Scheduling in Mobile Crowdsensing Systems. , 2017, , .		88
29	Location-privacy-aware review publication mechanism for local business service systems. , 2017, , .		83
30	A Study on Application-Aware Scheduling in Wireless Networks. IEEE Transactions on Mobile Computing, 2017, 16, 1787-1801.	5.8	83
31	Avian Influenza A(H5N1) Virus in Egypt. Emerging Infectious Diseases, 2016, 22, 379-388.	4.3	79
32	Achieving Personalized k-Anonymity-Based Content Privacy for Autonomous Vehicles in CPS. IEEE Transactions on Industrial Informatics, 2020, 16, 4242-4251.	11.3	79
33	Exploiting Multi-Dimensional Task Diversity in Distributed Auctions for Mobile Crowdsensing. IEEE Transactions on Mobile Computing, 2021, 20, 2576-2591.	5.8	78
34	A two‐stage privacy protection mechanism based on blockchain in mobile crowdsourcing. International Journal of Intelligent Systems, 2021, 36, 2058-2080.	5.7	75
35	Active Surveillance for Avian Influenza Virus, Egypt, 2010–2012. Emerging Infectious Diseases, 2014, 20, 542-551.	4.3	71
36	Approximate Holistic Aggregation in Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2017, 13, 1-24.	3.6	70

#	ARTICLE	IF	CITATIONS
37	Modeling Propagation Dynamics and Developing Optimized Countermeasures for Rumor Spreading in Online Social Networks. , 2015, , .		67
38	Distributed Query Processing in the Edge-Assisted IoT Data Monitoring System. IEEE Internet of Things Journal, 2021, 8, 12679-12693.	8.7	67
39	A 3.4713-approximation algorithm for the capacitated multicast tree routing problem. Theoretical Computer Science, 2009, 410, 5415-5424.	0.9	63
40	Approximate Physical World Reconstruction Algorithms in Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3099-3110.	5.6	62
41	Walrasian Equilibrium-Based Multiobjective Optimization for Task Allocation in Mobile Crowdsourcing. IEEE Transactions on Computational Social Systems, 2020, 7, 1033-1046.	4.4	62
42	Truthful Incentive Mechanisms for Geographical Position Conflicting Mobile Crowdsensing Systems. IEEE Transactions on Computational Social Systems, 2018, 5, 324-334.	4.4	61
43	Privacy Threat and Defense for Federated Learning With Non-i.i.d. Data in AIoT. IEEE Transactions on Industrial Informatics, 2022, 18, 1310-1321.	11.3	60
44	Coin Hopping Attack in Blockchain-Based IoT. IEEE Internet of Things Journal, 2019, 6, 4614-4626.	8.7	59
45	An exploration of broader influence maximization in timeliness networks with opportunistic selection. Journal of Network and Computer Applications, 2016, 63, 39-49.	9.1	55
46	Composite event coverage in wireless sensor networks with heterogeneous sensors. , 2015, , .		54
47	Improved Approximation Algorithms for the Capacitated Multicast Routing Problem. Lecture Notes in Computer Science, 2005, , 136-145.	1.3	54
48	Size-constrained tree partitioning: Approximating the multicast k-tree routing problem. Theoretical Computer Science, 2011, 412, 240-245.	0.9	52
49	Incentive Mechanisms for Crowdblocking Rumors in Mobile Social Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 9220-9232.	6.3	51
50	An energy efficient privacy-preserving content sharing scheme in mobile social networks. Personal and Ubiquitous Computing, 2016, 20, 833-846.	2.8	50
51	Energy-Collision Aware Data Aggregation Scheduling for Energy Harvesting Sensor Networks. , 2018, , .		50
52	Privacy-Preserving Auto-Driving: A GAN-Based Approach to Protect Vehicular Camera Data. , 2019, , .		48
53	Truthful Incentive Mechanisms for Social Cost Minimization in Mobile Crowdsourcing Systems. Sensors, 2016, 16, 481.	3.8	46
54	Sensor scheduling for p-percent coverage in wireless sensor networks. Cluster Computing, 2011, 14, 27-40.	5.0	44

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55	Distributed and Asynchronous Data Collection in Cognitive Radio Networks with Fairness Consideration. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2020-2029.	5.6	44
56	Novel reassortant H9N2 viruses in pigeons and evidence for antigenic diversity of H9N2 viruses isolated from quails in Egypt. Journal of General Virology, 2017, 98, 548-562.	2.9	44
57	Identifying Antigenicity-Associated Sites in Highly Pathogenic H5N1 Influenza Virus Hemagglutinin by Using Sparse Learning. Journal of Molecular Biology, 2012, 422, 145-155.	4.2	43
58	Influence maximization by probing partial communities in dynamic online social networks. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3054.	3.9	43
59	Latency-and-Coverage Aware Data Aggregation Scheduling for Multihop Battery-Free Wireless Networks. IEEE Transactions on Wireless Communications, 2021, 20, 1770-1784.	9.2	43
60	Delay efficient opportunistic routing in asynchronous multi-channel cognitive radio networks. Journal of Combinatorial Optimization, 2015, 29, 815-835.	1.3	42
61	Snapshot and Continuous Data Collection in Probabilistic Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2014, 13, 626-637.	5.8	41
62	Minimum-latency aggregation scheduling in wireless sensor network. Journal of Combinatorial Optimization, 2016, 31, 279-310.	1.3	41
63	Survey on data analysis in social media: A practical application aspect. Big Data Mining and Analytics, 2020, 3, 259-279.	8.9	41
64	Exploring Connected Dominating Sets in Energy Harvest Networks. IEEE/ACM Transactions on Networking, 2017, 25, 1803-1817.	3.8	40
65	ADGAN: Protect Your Location Privacy in Camera Data of Auto-Driving Vehicles. IEEE Transactions on Industrial Informatics, 2021, 17, 6200-6210.	11.3	39
66	Distributed Energy-Adaptive Aggregation Scheduling with Coverage Guarantee For Battery-Free Wireless Sensor Networks. , 2019, , .		38
67	Towards Bandwidth Guarantee for Virtual Clusters Under Demand Uncertainty in Multi-Tenant Clouds. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 450-465.	5.6	37
68	Distributed Low-Latency Data Aggregation for Duty-Cycle Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2018, 26, 2347-2360.	3.8	37
69	Dynamic scaling of virtual clusters with bandwidth guarantee in cloud datacenters. , 2016, , .		36
70	A privacy-preserving mechanism based on local differential privacy in edge computing. China Communications, 2020, 17, 50-65.	3.2	36
71	Adversarial Privacy-Preserving Graph Embedding Against Inference Attack. IEEE Internet of Things Journal, 2021, 8, 6904-6915.	8.7	36
72	Location Privacy Leakage through Sensory Data. Security and Communication Networks, 2017, 2017, 1-12.	1.5	35

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73	Mutual-Preference Driven Truthful Auction Mechanism in Mobile Crowdsensing. , 2019, , .		35
74	Multi-Source Adversarial Sample Attack on Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 2822-2835.	6.3	35
75	A survey on blockchain systems: Attacks, defenses, and privacy preservation. High-Confidence Computing, 2022, 2, 100048.	3.7	35
76	Computation Scheduling for Wireless Powered Mobile Edge Computing Networks. , 2020, , .		34
77	Distributed Data Collection in Large-Scale Asynchronous Wireless Sensor Networks Under the Generalized Physical Interference Model. IEEE/ACM Transactions on Networking, 2013, 21, 1270-1283.	3.8	33
78	Adaptive connected dominating set discovering algorithm in energy-harvest sensor networks. , 2016, , .		33
79	Spectrum-Availability Based Routing for Cognitive Sensor Networks. IEEE Access, 2017, 5, 4448-4457.	4.2	32
80	Mobility-aware routing in delay tolerant networks. Personal and Ubiquitous Computing, 2015, 19, 1111-1123.	2.8	31
81	Multi-Round Incentive Mechanism for Cold Start-Enabled Mobile Crowdsensing. IEEE Transactions on Vehicular Technology, 2021, 70, 993-1007.	6.3	31
82	A novel approach for inhibiting misinformation propagation in human mobile opportunistic networks. Peer-to-Peer Networking and Applications, 2017, 10, 377-394.	3.9	30
83	Anonymization in Online Social Networks Based on Enhanced Equi-Cardinal Clustering. IEEE Transactions on Computational Social Systems, 2019, 6, 809-820.	4.4	30
84	Active surveillance and genetic evolution of avian influenza viruses in Egypt, 2016â€"2018. Emerging Microbes and Infections, 2019, 8, 1370-1382.	6.5	29
85	Private Data Trading Towards Range Counting Queries in Internet of Things. IEEE Transactions on Mobile Computing, 2023, 22, 4881-4897.	5.8	29
86	Antigenic distance measurements for seasonal influenza vaccine selection. Vaccine, 2012, 30, 448-453.	3.8	28
87	O(ε)-Approximation to physical world by sensor networks. , 2013, , .		28
88	Intersection-based forwarding protocol for vehicular ad hoc networks. Telecommunication Systems, 2016, 62, 67-76.	2.5	28
89	A Fair Mechanism for Private Data Publication in Online Social Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 880-891.	6.4	28
90	Processing Area Queries in Wireless Sensor Networks. , 2009, , .		27

#	ARTICLE	IF	CITATIONS
91	Distributed non-structure based data aggregation for duty-cycle wireless sensor networks. , 2017, , .		27
92	Coverage in Battery-Free Wireless Sensor Networks. , 2018, , .		27
93	Privacy-preserved community discovery in online social networks. Future Generation Computer Systems, 2019, 93, 1002-1009.	7.5	27
94	Distributed data collection and its capacity in asynchronous wireless sensor networks. , 2012, , .		26
95	An Application-Aware Scheduling Policy for Real-Time Traffic. , 2015, , .		26
96	Real-Time Big Data Delivery in Wireless Networks: A Case Study on Video Delivery. IEEE Transactions on Industrial Informatics, 2017, 13, 2048-2057.	11.3	26
97	Protecting query privacy with differentially private k-anonymity in location-based services. Personal and Ubiquitous Computing, 2018, 22, 453-469.	2.8	26
98	Centralized and Distributed Delay-Bounded Scheduling Algorithms for Multicast in Duty-Cycled Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2017, 25, 3573-3586.	3.8	25
99	Snapshot/Continuous Data Collection capacity for large-scale probabilistic Wireless Sensor Networks. , 2012, , .		24
100	Optimal Distributed Data Collection for Asynchronous Cognitive Radio Networks. , 2012, , .		24
101	Fast accurate missing SNP genotype local imputation. BMC Research Notes, 2012, 5, 404.	1.4	23
102	Minimum-Latency Broadcast Scheduling for Cognitive Radio Networks. , 2013, , .		23
103	Multicast capacity analysis for social-proximity urban bus-assisted VANETs. , 2013, , .		23
104	CoRE: Cooperative End-to-End Traffic Redundancy Elimination for Reducing Cloud Bandwidth Cost. IEEE Transactions on Parallel and Distributed Systems, 2016, , 1-1.	5.6	23
105	Customized privacy preserving for inherent data and latent data. Personal and Ubiquitous Computing, 2017, 21, 43-54.	2.8	23
106	Seed-free Graph De-anonymiztiation with Adversarial Learning. , 2020, , .		23
107	Antigenic diversity and cross-reactivity of avian influenza H5N1 viruses in Egypt between 2006 and 2011. Journal of General Virology, 2012, 93, 2564-2574.	2.9	22
108	A game theory-based trust measurement model for social networks. Computational Social Networks, 2016, 3, 2.	2.1	22

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109	Practical Incentive Mechanisms for IoT-Based Mobile Crowdsensing Systems. IEEE Access, 2017, 5, 20383-20392.	4.2	22
110	Optimal Contract-Based Mechanisms for Online Data Trading Markets. IEEE Internet of Things Journal, 2019, 6, 7800-7810.	8.7	22
111	Data caching-based query processing in multi-sink wireless sensor networks. International Journal of Sensor Networks, 2012, 11, 109.	0.4	21
112	Minimum-sized influential node set selection for social networks under the independent cascade model. , 2014, , .		21
113	Energy-Efficient Algorithm for Multicasting in Duty-Cycled Sensor Networks. Sensors, 2015, 15, 31224-31243.	3.8	21
114	An efficient privacy preserving data aggregation approach for mobile sensing. Security and Communication Networks, 2016, 9, 3844-3853.	1.5	21
115	A novel contact prediction–based routing scheme for DTNs. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2889.	3.9	21
116	A differentially k-anonymity-based location privacy-preserving for mobile crowdsourcing systems. Procedia Computer Science, 2018, 129, 28-34.	2.0	21
117	A Wireless Sensor Network for Monitoring Environmental Quality in the Manufacturing Industry. IEEE Access, 2019, 7, 78108-78119.	4.2	21
118	Concepts and applications for influenza antigenic cartography. Influenza and Other Respiratory Viruses, 2011, 5, 204-7.	3.4	21
119	Reaction-diffusion modeling of malware propagation in mobile wireless sensor networks. Science China Information Sciences, 2013, 56, 1-18.	4.3	20
120	Approximate Sensory Data Collection: A Survey. Sensors, 2017, 17, 564.	3.8	20
121	Most parsimonious haplotype allele sharing determination. BMC Bioinformatics, 2009, 10, 115.	2.6	19
122	Continuous Data Collection Capacity of Dual-Radio Multichannel Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1844-1855.	5.6	18
123	Privacy Reserved Influence Maximization in GPS-Enabled Cyber-Physical and Online Social Networks. , 2016, , .		18
124	Scheduling Flows With Multiple Service Frequency Constraints. IEEE Internet of Things Journal, 2017, 4, 496-504.	8.7	18
125	Constructing connected dominating sets in battery-free networks. , 2017, , .		18
126	A Second-Order Diffusion Model for Influence Maximization in Social Networks. IEEE Transactions on Computational Social Systems, 2019, 6, 702-714.	4.4	18

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127	Incorporating social interaction into three-party game towards privacy protection in IoT. Computer Networks, 2019, 150, 90-101.	5.1	18
128	Learning disentangled user representation with multi-view information fusion on social networks. Information Fusion, 2021, 74, 77-86.	19.1	18
129	The computation of optimal subset repairs. Proceedings of the VLDB Endowment, 2020, 13, 2061-2074.	3.8	18
130	Probabilistic Skyline on Incomplete Data. , 2017, , .		17
131	DISTRIBUTED ENERGY-EFFICIENT ALGORITHMS FOR COVERAGE PROBLEM IN ADJUSTABLE SENSING RANGES WIRELESS SENSOR NETWORKS. Discrete Mathematics, Algorithms and Applications, 2009, 01, 299-317.	0.6	16
132	Graph Theory Based Capacity Analysis for Vehicular Ad Hoc Networks. , 2015, , .		16
133	On the Complexity of Bounded View Propagation for Conjunctive Queries. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 115-127.	5.7	16
134	Differentially Private Recommendation System Based on Community Detection in Social Network Applications. Security and Communication Networks, 2018, 2018, 1-18.	1.5	16
135	Dominating Sets Construction in RF-based Battery-free Sensor Networks with Full Coverage Guarantee. ACM Transactions on Sensor Networks, 2019, 15, 1-29.	3.6	16
136	Preserving adjustable path privacy for task acquisition in Mobile Crowdsensing Systems. Information Sciences, 2020, 527, 602-619.	6.9	16
137	Efficient CityCam-to-Edge Cooperative Learning for Vehicle Counting in ITS. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16600-16611.	8.0	16
138	Sustainable Blockchain-Based Digital Twin Management Architecture for IoT Devices. IEEE Internet of Things Journal, 2023, 10, 6535-6548.	8.7	16
139	An Efficient Approach to Sharing Edge Knowledge in 5G-Enabled Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2023, 19, 930-939.	11.3	16
140	A Triple Real-Time Trajectory Privacy Protection Mechanism Based on Edge Computing and Blockchain in Mobile Crowdsourcing. IEEE Transactions on Mobile Computing, 2023, 22, 5625-5642.	5.8	16
141	Practical unicast and convergecast scheduling schemes for cognitive radio networks. Journal of Combinatorial Optimization, 2013, 26, 161-177.	1.3	15
142	RiPPAS: A Ring-Based Privacy-Preserving Aggregation Scheme in Wireless Sensor Networks. Sensors, 2017, 17, 300.	3.8	15
143	Search locations safely and accurately: A location privacy protection algorithm with accurate service. Journal of Network and Computer Applications, 2018, 103, 146-156.	9.1	15
144	Modeling and Computing Probabilistic Skyline on Incomplete Data. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1405-1418.	5.7	15

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145	Job Scheduling to Minimize Total Completion Time on Multiple Edge Servers. IEEE Transactions on Network Science and Engineering, 2020, 7, 2245-2255.	6.4	15
146	Game Theory in Internet of Things: A Survey. IEEE Internet of Things Journal, 2022, 9, 12125-12146.	8.7	15
147	Deep Generative Models in the Industrial Internet of Things: A Survey. IEEE Transactions on Industrial Informatics, 2022, 18, 5728-5737.	11.3	15
148	Searching Genome-Wide Multi-Locus Associations for Multiple Diseases Based on Bayesian Inference. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017, 14, 600-610.	3.0	14
149	Big Data Transmission in Industrial IoT Systems With Small Capacitor Supplying Energy. IEEE Transactions on Industrial Informatics, 2019, 15, 2360-2371.	11.3	14
150	The Energy-Data Dual Coverage in Battery-free Sensor Networks. , 2019, , .		14
151	Fast skyline community search in multi-valued networks. Big Data Mining and Analytics, 2020, 3, 171-180.	8.9	14
152	Energy-collision-aware Minimum Latency Aggregation Scheduling for Energy-harvesting Sensor Networks. ACM Transactions on Sensor Networks, 2021, 17, 1-34.	3.6	14
153	Link-privacy preserving graph embedding data publication with adversarial learning. Tsinghua Science and Technology, 2022, 27, 244-256.	6.1	14
154	Optimal routing with scheduling and channel assignment in multi-power multi-radio wireless sensor networks. Ad Hoc Networks, 2015, 31, 45-62.	5.5	13
155	A social activity and physical contact-based routing algorithm in mobile opportunistic networks for emergency response to sudden disasters. Enterprise Information Systems, 2017, 11, 597-626.	4.7	13
156	User social activity-based routing for cognitive radio networks. Personal and Ubiquitous Computing, 2018, 22, 471-487.	2.8	13
157	Deletion Propagation for Multiple Key Preserving Conjunctive Queries: Approximations and Complexity. , 2019, , .		13
158	Recommendation of Crowdsourcing Tasks Based on Word2vec Semantic Tags. Wireless Communications and Mobile Computing, 2019, 2019, 1-10.	1.2	13
159	Three-Party Evolutionary Game Model of Stakeholders in Mobile Crowdsourcing. IEEE Transactions on Computational Social Systems, 2022, 9, 974-985.	4.4	13
160	Approximate Holistic Aggregation in Wireless Sensor Networks. , 2015, , .		12
161	Second-order random walk-based proximity measures in graph analysis: formulations and algorithms. VLDB Journal, 2018, 27, 127-152.	4.1	12
162	Batch Processing for Truss Maintenance in Large Dynamic Graphs. IEEE Transactions on Computational Social Systems, 2020, 7, 1435-1446.	4.4	12

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163	Hypercore Maintenance in Dynamic Hypergraphs. , 2021, , .		12
164	Retrieving the maximal time-bounded positive influence set from social networks. Personal and Ubiquitous Computing, 2016, 20, 717-730.	2.8	11
165	Low-Latency Data Aggregation Scheduling for Cognitive Radio Networks With Non-Predetermined Structure. IEEE Transactions on Mobile Computing, 2021, 20, 2412-2426.	5.8	11
166	WHOLE GENOME IDENTITY-BY-DESCENT DETERMINATION. Journal of Bioinformatics and Computational Biology, 2013, 11, 1350002.	0.8	10
167	Strengthen nodal cooperation for data dissemination in mobile social networks. Personal and Ubiquitous Computing, 2014, 18, 1797-1811.	2.8	10
168	Coalition Graph Game for Robust Routing in Cooperative Cognitive Radio Networks. Mobile Networks and Applications, 2015, 20, 147-156.	3.3	10
169	Exploring the Genetic Patterns of Complex Diseases via the Integrative Genome-Wide Approach. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 557-564.	3.0	10
170	Structure-Free Broadcast Scheduling for Duty-Cycled Multihop Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2022, 21, 4624-4641.	5.8	10
171	An Improved Approximation Algorithm for the Capacitated Multicast Tree Routing Problem. Lecture Notes in Computer Science, 2008, , 286-295.	1.3	10
172	Primary social behavior aware routing and scheduling for Cognitive Radio Networks. , 2015, , .		9
173	Data Aggregation Scheduling in Probabilistic Wireless Networks with Cognitive Radio Capability. , 2016, , .		9
174	Low-Latency Concurrent Broadcast Scheduling in Duty-Cycled Multihop Wireless Networks. , 2019, , .		9
175	Privacy-Enhancing Preferential LBS Query for Mobile Social Network Users. Wireless Communications and Mobile Computing, 2020, 2020, 1-13.	1.2	9
176	AoI Minimization Data Collection Scheduling for Battery-Free Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2021, , 1-1.	5.8	9
177	Structure-Free General Data Aggregation Scheduling for Multihop Battery-Free Wireless Networks. IEEE Transactions on Mobile Computing, 2022, 21, 3342-3359.	5.8	9
178	Distributed Core Decomposition in Probabilistic Graphs. Lecture Notes in Computer Science, 2019, , 16-32.	1.3	9
179	Joint Near-Optimal Age-based Data Transmission and Energy Replenishment Scheduling at Wireless-Powered Network Edge. , 2022, , .		9
180	Generalized broadcast scheduling in duty-cycle multi-hop wireless networks. , 2011, , .		8

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181	Data aggregation scheduling in wireless networks with Cognitive Radio capability. , 2014, , .		8
182	Capacity of wireless networks with multiple types of multicast sessions. , 2014, , .		8
183	Critical data points retrieving method for big sensory data in wireless sensor networks. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	8
184	Privacy-preserved distinct content collection in human-assisted ubiquitous computing systems. Information Sciences, 2019, 493, 91-104.	6.9	8
185	VMPSP: Efficient Skyline Computation Using VMP-Based Space Partitioning. Lecture Notes in Computer Science, 2016, , 179-193.	1.3	8
186	Multi-stage online task assignment driven by offline data under spatio-temporal crowdsourcing. Digital Communications and Networks, 2022, 8, 516-530.	5.0	8
187	Secure verifiable aggregation for blockchain-based federated averaging. High-Confidence Computing, 2022, 2, 100046.	3.7	8
188	Spacial Mobility Prediction Based Routing Scheme in Delay/Disruption-Tolerant Networks. , 2014, , .		7
189	Whitespace measurement and virtual backbone construction for Cognitive Radio Networks: From the social perspective. , 2015, , .		7
190	Semi-Structure Routing and Analytical Frameworks for Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2015, , 1-1.	5.8	7
191	A Novel Framework for the Coverage Problem in Battery-Free Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2022, 21, 783-798.	5.8	7
192	Efficient haplotype inference algorithms in one whole genome scan for pedigree data with non-genotyped founders. Acta Mathematicae Applicatae Sinica, 2009, 25, 477-488.	0.7	6
193	Approximate Scheduling and Constructing Algorithms for Minimum-Energy Multicasting in Duty-Cycled Sensor Networks. , 2015, , .		6
194	Customized privacy preserving for classification based applications. , 2016, , .		6
195	Exploiting Spectrum Availability and Quality in Routing for Multi-hop Cognitive Radio Networks. Lecture Notes in Computer Science, 2016, , 283-294.	1.3	6
196	Differentially Private k-Anonymity: Achieving Query Privacy in Location-Based Services. , 2016, , .		6
197	Guest editorial: Special issue on Internet of Things. Tsinghua Science and Technology, 2017, 22, 343-344.	6.1	6
198	Tree size reduction with keeping distinguishability. Theoretical Computer Science, 2018, 749, 26-35.	0.9	6

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199	Utility analysis on privacy-preservation algorithms for online social networks: an empirical study. Personal and Ubiquitous Computing, 2021, 25, 1063-1079.	2.8	6
200	DOAMI: A distributed on-line algorithm to minimize interference for routing in wireless sensor networks. Theoretical Computer Science, 2019, 774, 1-13.	0.9	6
201	The hardness of resilience for nested aggregation query. Theoretical Computer Science, 2020, 803, 152-159.	0.9	6
202	Fast Core Maintenance in Dynamic Graphs. IEEE Transactions on Computational Social Systems, 2022, 9, 710-723.	4.4	6
203	DAM: A Bayesian Method for Detecting Genome-wide Associations on Multiple Diseases. Lecture Notes in Computer Science, 2015, , 96-107.	1.3	6
204	Size-Constrained Tree Partitioning: A Story on Approximation Algorithm Design for the Multicast k-Tree Routing Problem. Lecture Notes in Computer Science, 2009, , 363-374.	1.3	6
205	Low Latency Broadcast Scheduling for Battery-Free Wireless Networks Without Predetermined Structures. , 2020, , .		6
206	A Trust Measurement in Social Networks Based on Game Theory. Lecture Notes in Computer Science, 2015, , 236-247.	1.3	5
207	Triangle edge deletion on planar glasses-free RGB-digraphs. Theoretical Computer Science, 2019, 788, 2-11.	0.9	5
208	Stable structural clustering in uncertain graphs. Information Sciences, 2022, 586, 596-610.	6.9	5
209	A Fair and Rational Data Sharing Strategy Toward Two-Stage Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2023, 19, 1088-1096.	11.3	5
210	Vertex covering by paths on trees with its applications in machine translation. Information Processing Letters, 2006, 97, 73-81.	0.6	4
211	Semi-Structure Routing and Performance Analysis for Cognitive Radio Networks. , 2013, , .		4
212	Graph Theory Based Capacity Analysis for Vehicular Ad Hoc Networks. , 2014, , .		4
213	Time-Bounded Positive Influence in Social Networks. , 2015, , .		4
214	The Pathway Analysis of Micrornas Regulated Drug-Resistant Responses in HeLa Cells. IEEE Transactions on Nanobioscience, 2016, 15, 113-118.	3.3	4
215	Learning the Structures of Online Asynchronous Conversations. Lecture Notes in Computer Science, 2017, , 19-34.	1.3	4
216	Privacy Preserving Online Social Networks using Enhanced Equicardinal Clustering. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
217	Maximum reachability preserved graph cut. Theoretical Computer Science, 2020, 840, 187-198.	0.9	4
218	Audio-Visual Autoencoding for Privacy-Preserving Video Streaming. IEEE Internet of Things Journal, 2022, 9, 1749-1761.	8.7	4
219	A Double Pulse Control Strategy for Misinformation Propagation in Human Mobile Opportunistic Networks. Lecture Notes in Computer Science, 2015, , 571-580.	1.3	4
220	Privacy-Preserving Mechanisms for Multi-Label Image Recognition. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-21.	3.5	4
221	CROSS: A Crowdsourcing based Sub-Servers Selection Framework in D2D Enhanced MEC Architecture. , 2020, , .		4
222	Broadcast Scheduling with Latency and Redundancy Analysis for Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	3
223	An Edge Correlation Based Differentially Private Network Data Release Method. Security and Communication Networks, 2017, 2017, 1-14.	1.5	3
224	SEF view deletion under bounded condition. Theoretical Computer Science, 2018, 749, 17-25.	0.9	3
225	Privacy-Preserving Data Collection in Context-Aware Applications. , 2018, , .		3
226	Efficient interest–aware data dissemination in mobile opportunistic networks. Software - Practice and Experience, 2022, 52, 917-928.	3.6	3
227	An Efficient Interest-aware Data Dissemination Approach in Opportunistic Networks. Procedia Computer Science, 2019, 147, 394-399.	2.0	3
228	The parameterized complexity and kernelization of resilience for database queries. Theoretical Computer Science, 2020, 840, 199-211.	0.9	3
229	Joint Deployment Strategy of Battery-Free Sensor Networks with Coverage Guarantee. ACM Transactions on Sensor Networks, 2021, 17, 1-29.	3.6	3
230	LINEAR COHERENT BI-CLUSTERING VIA BEAM SEARCHING AND SAMPLE SET CLUSTERING. Discrete Mathematics, Algorithms and Applications, 2012, 04, 1250023.	0.6	2
231	Design and Simulation of Proportional Biological Operational Mu-Circuit. IEEE Transactions on Nanobioscience, 2015, 14, 248-253.	3.3	2
232	Functional dependency restricted insertion propagation. Theoretical Computer Science, 2020, 819, 1-8.	0.9	2
233	Detection Mechanisms of One-Pixel Attack. Wireless Communications and Mobile Computing, 2021, 2021, 1-8.	1.2	2
234	A Novel User Collusion-Resistant Decentralized Multi-Authority Attribute-Based Encryption Scheme Using the Deposit on a Blockchain. Wireless Communications and Mobile Computing, 2021, 2021, 1-15.	1.2	2

#	Article	IF	Citations
235	Leave or not leave? Group membersâ€™ departure prediction in dynamic information networks. Information Sciences, 2021, 569, 138-156.	6.9	2
236	Privacy protection among three antithetic-parties for context-aware services. Journal of Network and Computer Applications, 2021, 191, 103115.	9.1	2
237	Efficient Data Trading for Stable and Privacy Preserving Histograms in Internet of Things. , 2021, , .		2
238	Correlation Aware Scheduling for Edge-Enabled Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2022, 18, 7967-7976.	11.3	2
239	New Crowd Sensing Computing in Space-Air-Ground Integrated Networks. , 2021, , .		2
240	Guest Editors Introduction to the Special Section on Bioinformatics Research and Applications. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 453-454.	3.0	1
241	The Role of miRNAs in Cisplatin-Resistant HeLa Cells. Lecture Notes in Computer Science, 2015, , 355-365.	1.3	1
242	Editorial for special issue on Big Data and knowledge extraction for Cyber-Physical Systems 2016. International Journal of Distributed Sensor Networks, 2016, 12, 155014771667126.	2.2	1
243	Primary and Secondary Social Activity Aware Routing for Cognitive Radio Networks. , 2016, , .		1
244	Approximate Iceberg Cube on Heterogeneous Dimensions. Lecture Notes in Computer Science, 2016, , 82-97.	1.3	1
245	Preface: Special issue on computing and combinatorics conference and wireless algorithms, systems, and applications conference. Journal of Combinatorial Optimization, 2016, 32, 983-984.	1.3	1
246	Parameterized Complexity of Resilience Decision for Database Debugging. Lecture Notes in Computer Science, 2017, , 332-344.	1.3	1
247	Privacy in the Internet of Things. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.	1.2	1
248	Privacy Protection for Context-Aware Services: A Two-Layer Three-Party Game Model. Lecture Notes in Computer Science, 2019, , 124-136.	1.3	1
249	A Dynamic Privacy Protection Mechanism for Spatiotemporal Crowdsourcing. Security and Communication Networks, 2020, 2020, 1-13.	1.5	1
250	A Collaborative Mechanism for Private Data Publication in Smart Cities. IEEE Internet of Things Journal, 2020, 7, 7883-7891.	8.7	1
251	Who Should Deserve Investment Attractive Individual and Group Search in Dynamic Information Networks. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	1
252	Game Theory Based Privacy Protection for Context-Aware Services with Long-Term Time Series Data. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
253	Maximal Multipolarized Cliques Search in Signed Networks. , 2021, , .		1
254	Bernoulli Sampling Based (epsilon, delta)-Approximate Frequency Query in Mobile Ad Hoc Networks. Lecture Notes in Computer Science, 2015, , 315-324.	1.3	1
255	IEA: An Intermittent Energy Aware Platform for Ultra-Low Powered Energy Harvesting WSN. Lecture Notes in Computer Science, 2017, , 185-197.	1.3	1
256	A Simulation for Proportional Biological Operational Mu-Circuit. Lecture Notes in Computer Science, 2014, , 81-91.	1.3	1
257	Metric and Distributed On-Line Algorithm for Minimizing Routing Interference in Wireless Sensor Networks. Lecture Notes in Computer Science, 2015, , 279-292.	1.3	1
258	IPMiner: a progenitor gene identifier for influenza A virus. Influenza and Other Respiratory Viruses, 2011, 5, 413-5.	3.4	1
259	Approximation and inapproximability results on computing optimal repairs. VLDB Journal, 2023, 32, 173-197.	4.1	1
260	A Secure and Efficient Framework for Multi-Round Data Trading Over the Internet of Artificially Intelligent Things. IEEE Internet of Things Magazine, 2022, 5, 119-124.	2.6	1
261	Guest editorial: Special issue on bioinformatics and computational biology. Tsinghua Science and Technology, 2012, 17, 607-608.	6.1	0
262	Broadcast Scheduling for Cognitive Radio Networks. , 2013, , .		0
263	Guest editors' introduction to the Proceedings of the 9th International Symposium on Biomedical Research and Applications. BMC Bioinformatics, 2014, 15, S1.	2.6	0
264	Detecting deterioration of nearsightness. , 2015, , .		0
265	Computing and Combinatorics. Algorithmica, 2016, 76, 865-866.	1.3	0
266	On the Complexity of Insertion Propagation with Functional Dependency Constraints. Lecture Notes in Computer Science, 2016, , 623-632.	1.3	0
267	Approximation for vertex cover in $$eta $$ Î² -conflict graphs. Journal of Combinatorial Optimization, 2017, 34, 1052-1059.	1.3	0
268	Data collection with probabilistic guarantees in opportunistic wireless networks. International Journal of Sensor Networks, 2017, 24, 125.	0.4	0
269	Special IssuePreface: 13th International Symposium on BioinformaticsResearch and Applications (ISBRA) Tj ETQq1 1 0.784314 rgBT /O	1.6	0
270	Approximate Minimum-Transmission Broadcasting in Duty-Cycled WSNs. Lecture Notes in Computer Science, 2018, , 40-52.	1.3	0

#	Article	IF	Citations
271	Preface: 14th International Symposium on Bioinformatics Research and Applications (ISBRA 2018). Journal of Computational Biology, 2019, 26, 767-768.	1.6	0
272	Modeling Malware Propagation Dynamics and Developing Prevention Methods in Wireless Sensor Networks. Springer Optimization and Its Applications, 2019, , 231-250.	0.9	0
273	Preface Special Issue: 15th International Symposium on Bioinformatics Research and Applications (ISBRA 2019). Journal of Computational Biology, 2020, 27, 131-132.	1.6	0
274	Deletion Propagation Revisited for Multiple Key Preserving Views. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 2445-2456.	5.7	0
275	Distributed Core Decomposition in Probabilistic Graphs. Asia-Pacific Journal of Operational Research, 0, , 2140008.	1.3	0
276	On the Complexity of Extracting Subtree with Keeping Distinguishability. Lecture Notes in Computer Science, 2016, , 230-240.	1.3	0
277	RSkycube: Efficient Skycube Computation by Reusing Principle. Lecture Notes in Computer Science, 2017, , 51-64.	1.3	0
278	A Refined Characteristic of Minimum Contingency Set for Conjunctive Query. Lecture Notes in Computer Science, 2017, , 251-264.	1.3	0
279	On the Complexity of Resilience for Aggregation Queries. Lecture Notes in Computer Science, 2018, , 696-706.	1.3	0
280	On the Hardness of Reachability Reduction. Lecture Notes in Computer Science, 2019, , 445-455.	1.3	0
281	New Results on the Complexity of Deletion Propagation. Lecture Notes in Computer Science, 2020, , 336-345.	1.3	0
282	Noise Generation GAN Based Identity Privacy Protection for Smart City. , 2021, , .		0
283	Guest Editors' Introduction to the Special Section on Bioinformatics Research and Applications. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 207-208.	3.0	0
284	Guest Editors' Introduction to the Special Section on Bioinformatics Research and Applications. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 166-167.	3.0	0
285	Public-Private-Core Maintenance in Public-Private-Graphs. Intelligent and Converged Networks, 2021, 2, 306-319.	4.8	0
286	ASTL: Accumulative STL with a Novel Robustness Metric for IoT Service Monitoring. IEEE Transactions on Mobile Computing, 2022, , 1-1.	5.8	0
287	Guest Editorial Special Issue on Graph-Powered Machine Learning for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 9102-9105.	8.7	0