Yingshu Li

List of Publications by Year
in descending order

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146	4,836	147801	144013
papers	citations	31 h-index	57 g-index

146	146	146	3376
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Data-Driven Many-Objective Crowd Worker Selection for Mobile Crowdsourcing in Industrial IoT. IEEE Transactions on Industrial Informatics, 2023, 19, 531-540.	11.3	33
2	Sustainable Blockchain-Based Digital Twin Management Architecture for IoT Devices. IEEE Internet of Things Journal, 2023, 10, 6535-6548.	8.7	16
3	Digital-Twin-Aided Product Design Framework For IoT Platforms. IEEE Internet of Things Journal, 2022, 9, 9290-9300.	8.7	5
4	Data Aggregation Scheduling in Battery-Free Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2022, 21, 1972-1984.	5.8	5
5	Principal component analysis based data collection for sustainable internet of things enabled Cyberâ€“Physical Systems. Microprocessors and Microsystems, 2022, 88, 104032.	2.8	3
6	A Study on Scalar Multiplication Parallel Processing for X25519 Decryption of 5G Core Network SIDF Function for mMTC IoT Environment. Wireless Communications and Mobile Computing, 2022, 2022, 1-17.	1.2	0
7	AoI Minimization Data Collection Scheduling for Battery-Free Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2021, , 1-1.	5.8	9
8	Parameterized complexity of completeness reasoning for conjunctive queries. Theoretical Computer Science, 2021, 864, 34-49.	0.9	1
9	Multistrategy Repeated Game-Based Mobile Crowdsourcing Incentive Mechanism for Mobile Edge Computing in Internet of Things. Wireless Communications and Mobile Computing, 2021, 2021, 1-18.	1.2	11
10	User Motivation Based Privacy Preservation in Location Based Social Networks. , 2021, , .		0
11	Inference Attacks and Controls on Genotypes and Phenotypes for Individual Genomic Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 930-937.	3.0	5
12	Label Coloring Based Beaconing Schedule in Duty-Cycled Multihop Wireless Networks. IEEE Transactions on Mobile Computing, 2020, 19, 1123-1137.	5.8	12
13	zkCrowd: A Hybrid Blockchain-Based Crowdsourcing Platform. IEEE Transactions on Industrial Informatics, 2020, 16, 4196-4205.	11.3	147
14	Approximate data aggregation in sensor equipped IoT networks. Tsinghua Science and Technology, 2020, 25, 44-55.	6.1	25
15	A Survey on Privacy Issues in Mobile Social Networks. IEEE Access, 2020, 8, 130906-130921.	4.2	11
16	Privacy-Enhancing Preferential LBS Query for Mobile Social Network Users. Wireless Communications and Mobile Computing, 2020, 2020, 1-13.	1.2	9
17	A worker-selection incentive mechanism for optimizing platform-centric mobile crowdsourcing systems. Computer Networks, 2020, 171, 107144.	5.1	74
18	Privacy Protection Based on Stream Cipher for Spatiotemporal Data in IoT. IEEE Internet of Things Journal, 2020, 7, 7928-7940.	8.7	50

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19	Latency-efficient Data Collection Scheduling in Battery-free Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2020, 16, 1-21.	3.6	13
20	Deletion Propagation for Multiple Key Preserving Conjunctive Queries: Approximations and Complexity. , 2019, , .		13
21	Retrieving the relative kernel dataset from big sensory data for continuous queries in IoT systems. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	5
22	Anonymization in Online Social Networks Based on Enhanced Equi-Cardinal Clustering. IEEE Transactions on Computational Social Systems, 2019, 6, 809-820.	4.4	30
23	Broadcast Scheduling in Battery-Free Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2019, 15, 1-34.	3.6	16
24	Task Allocation Model Based on Worker Friend Relationship for Mobile Crowdsourcing. Sensors, 2019, 19, 921.	3.8	26
25	Hybrid Blockchain Design for Privacy Preserving Crowdsourcing Platform. , 2019, , .		20
26	A model for integrating heterogeneous sensory data in IoT systems. Computer Networks, 2019, 150, 1-14.	5.1	13
27	Vertex cover in conflict graphs. Theoretical Computer Science, 2019, 774, 103-112.	0.9	4
28	Truthful Incentive Mechanisms for Geographical Position Conflicting Mobile Crowdsensing Systems. IEEE Transactions on Computational Social Systems, 2018, 5, 324-334.	4.4	61
29	Protecting query privacy with differentially private k-anonymity in location-based services. Personal and Ubiquitous Computing, 2018, 22, 453-469.	2.8	26
30	An Empirical Study on the Privacy Preservation of Online Social Networks. IEEE Access, 2018, 6, 19912-19922.	4.2	23
31	On the complexity and approximability of repair position selection problem. Journal of Combinatorial Optimization, 2018, , 1.	1.3	0
32	Maximising influence in sensed heterogeneous social network with privacy preservation. International Journal of Sensor Networks, 2018, 28, 69.	0.4	6
33	An Incentive Mechanism in Mobile Crowdsourcing Based on Multi-Attribute Reverse Auctions. Sensors, 2018, 18, 3453.	3.8	27
34	Achieving differential privacy of genomic data releasing via belief propagation. Tsinghua Science and Technology, 2018, 23, 389-395.	6.1	8
35	The Truthful Evolution and Incentive for Large-Scale Mobile Crowd Sensing Networks. IEEE Access, 2018, 6, 51187-51199.	4.2	17
36	Data Linkage in Smart Internet of Things Systems: A Consideration from a Privacy Perspective. IEEE Communications Magazine, 2018, 56, 55-61.	6.1	150

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37	Deep Learning Based Inference of Private Information Using Embedded Sensors in Smart Devices. IEEE Network, 2018, 32, 8-14.	6.9	304
38	Cost-Efficient Strategies for Restraining Rumor Spreading in Mobile Social Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2789-2800.	6.3	232
39	Exploring Connected Dominating Sets in Energy Harvest Networks. IEEE/ACM Transactions on Networking, 2017, 25, 1803-1817.	3.8	40
40	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
41	Approximate Holistic Aggregation in Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2017, 13, 1-24.	3.6	70
42	Achieving Effective k -Anonymity for Query Privacy in Location-Based Services. IEEE Access, 2017, 5, 24580-24592.	4.2	14
43	IoT-based cost saving offloading system for cellular networks. Tsinghua Science and Technology, 2017, 22, 379-388.	6.1	4
44	Influence maximization by probing partial communities in dynamic online social networks. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3054.	3.9	43
45	Customized privacy preserving for inherent data and latent data. Personal and Ubiquitous Computing, 2017, 21, 43-54.	2.8	23
46	Guest Editorial Special Issue on Fog Computing in the Internet of Things. IEEE Internet of Things Journal, 2017, 4, 1113-1116.	8.7	2
47	A Hierarchical Game Framework for Data Privacy Preservation in Context-Aware IoT Applications. , 2017, , .		5
48	An Efficient Context-Aware Privacy Preserving Approach for Smartphones. Security and Communication Networks, 2017, 2017, 1-11.	1.5	3
49	Location Privacy Leakage through Sensory Data. Security and Communication Networks, 2017, 2017, 1-12.	1.5	35
50	Scheduling multi-task jobs with extra utility in data centers. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, 200.	2.4	3
51	Addressing the Threats of Inference Attacks on Traits and Genotypes from Individual Genomic Data. Lecture Notes in Computer Science, 2017, , 223-233.	1.3	4
52	Differential Privacy Preserving Genomic Data Releasing via Factor Graph. Lecture Notes in Computer Science, 2017, , 350-355.	1.3	3
53	Time constraint influence maximization algorithm in the age of big data. International Journal of Computational Science and Engineering, 2017, 15, 165.	0.5	3
54	Minimum-latency aggregation scheduling in wireless sensor network. Journal of Combinatorial Optimization, 2016, 31, 279-310.	1.3	41

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55	Truthful Incentive Mechanisms for Social Cost Minimization in Mobile Crowdsourcing Systems. Sensors, 2016, 16, 481.	3.8	46
56	Optimizing Retransmission Threshold in Wireless Sensor Networks. Sensors, 2016, 16, 665.	3.8	3
57	Data Aggregation Scheduling in Probabilistic Wireless Networks with Cognitive Radio Capability. , 2016, , .		9
58	An energy efficient privacy-preserving content sharing scheme in mobile social networks. Personal and Ubiquitous Computing, 2016, 20, 833-846.	2.8	50
59	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
60	A Simpler Constant Factor Approximation for the k-Connected m-Domination Set Problem in Unit Disk Graph. , 2016, , .		1
61	An optimal content caching framework for utility maximization. Tsinghua Science and Technology, 2016, 21, 374-384.	6.1	5
62	SHMDRS: A Smartphone-Based Human Motion Detection and Response System. Lecture Notes in Computer Science, 2016, , 174-185.	1.3	2
63	The Roles of Social Network Mavens. , 2016, , .		15
64	Efficient respondents selection for biased survey using homophily-high social relation graph. Discrete Mathematics, Algorithms and Applications, 2016, 08, 1650071.	0.6	0
65	$$(alpha , au)$$ (Î± , Ï„) -Monitoring for event detection in wireless sensor networks. Journal of Combinatorial Optimization, 2016, 32, 985-1001.	1.3	0
66	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
67	Approximate event detection over multi-modal sensing data. Journal of Combinatorial Optimization, 2016, 32, 1002-1016.	1.3	26
68	Approximate Holistic Aggregation in Wireless Sensor Networks. , 2015, , .		12
69	Constructing loadâ€balanced virtual backbones in probabilistic wireless sensor networks via multiâ€objective genetic algorithm. Transactions on Emerging Telecommunications Technologies, 2015, 26, 147-163.	3.9	13
70	Data Collection in Multi-Application Sharing Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 403-412.	5.6	19
71	Data aggregation scheduling in wireless networks with Cognitive Radio capability. , 2014, , .		8
72	Greedy construction of loadâ€balanced virtual backbones in wireless sensor networks. Wireless Communications and Mobile Computing, 2014, 14, 673-688.	1.2	14

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73	Multi-regional query scheduling in wireless sensor networks with minimum latency. Wireless Communications and Mobile Computing, 2014, 14, 849-864.	1.2	8
74	Neighborhood-based uncertainty generation in social networks. Journal of Combinatorial Optimization, 2014, 28, 561-576.	1.3	30
75	Computing an effective decision making group of a society using social network analysis. Journal of Combinatorial Optimization, 2014, 28, 577-587.	1.3	1
76	Constructing Load-Balanced Data Aggregation Trees in Probabilistic Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1681-1690.	5.6	45
77	Approximate multiple count in Wireless Sensor Networks. , 2014, , .		4
78	Continuous data aggregation and capacity in probabilistic wireless sensor networks. Journal of Parallel and Distributed Computing, 2013, 73, 729-745.	4.1	16
79	Prediction-based routing with packet scheduling under temporal constraint in delay tolerant networks. , 2013, , .		3
80	A Multi-Objective Genetic Algorithm for constructing load-balanced virtual backbones in probabilistic Wireless Sensor Networks. , 2013, , .		2
81	Application-aware data collection in Wireless Sensor Networks. , 2013, , .		14
82	Optimizing Data Collection Capacity in Wireless Networks. , 2013, , 2503-2547.		0
83	Constructing a load-balanced virtual backbone in Wireless Sensor Networks. , 2012, , .		10
84	Load-balanced CDS construction in wireless sensor networks via genetic algorithm. International Journal of Sensor Networks, 2012, 11, 166.	0.4	26
85	Guest editorial: Special issue on wireless computing and networking. Tsinghua Science and Technology, 2012, 17, 485-486.	6.1	0
86	Di-Sec: A distributed security framework for heterogeneous Wireless Sensor Networks. , 2012, , .		20
87	An 802.11 MAC layer covert channel. Wireless Communications and Mobile Computing, 2012, 12, 393-405.	1.2	22
88	On the construction of k-connected m-dominating sets in wireless networks. Journal of Combinatorial Optimization, 2012, 23, 118-139.	1.3	38
89	Continuous Data Collection Capacity of Wireless Sensor Networks under Physical Interference Model. , 2011, , .		27
90	Capacity of dual-radio multi-channel wireless sensor networks for continuous data collection. , 2011, , .		41

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91	Minimum latency scheduling for Multi-Regional Query in Wireless Sensor Networks. , 2011, , .		6
92	Transforming Complete Coverage Algorithms to Partial Coverage Algorithms for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 695-703.	5.6	62
93	Sparse target counting and localization in sensor networks based on compressive sensing. , 2011, , .		129
94	Reliable and energy efficient target coverage for wireless sensor networks. Tsinghua Science and Technology, 2011, 16, 464-474.	6.1	13
95	Genetic-algorithm-based construction of Load-Balanced CDSs in Wireless Sensor Networks. , 2011, , .		15
96	A security management scheme for failure detector distributed systems based on self-tuning control theory. Journal of Intelligent Manufacturing, 2011, 22, 333-342.	7.3	2
97	Sensor scheduling for p-percent coverage in wireless sensor networks. Cluster Computing, 2011, 14, 27-40.	5.0	44
98	SMITE: A stochastic compressive data collection protocol for Mobile Wireless Sensor Networks. , 2011, , .		27
99	DSF - A Distributed Security Framework for heterogeneous wireless sensor networks. , 2010, , .		4
100	A framework of distributed indexing and data dissemination in large scale wireless sensor networks. Optimization Letters, 2010, 4, 335-345.	1.6	3
101	EiSIRS: a formal model to analyze the dynamics ofÂworm propagation in wireless sensor networks. Journal of Combinatorial Optimization, 2010, 20, 47-62.	1.3	48
102	A Resilient and Scalable Flocking Scheme in Autonomous Vehicular Networks. Mobile Networks and Applications, 2010, 15, 126-136.	3.3	8
103	An Energy-Efficient Distributed Algorithm for Minimum-Latency Aggregation Scheduling in Wireless Sensor Networks. , 2010, , .		72
104	VEBEK: Virtual Energy-Based Encryption and Keying for Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2010, 9, 994-1007.	5.8	36
105	ARM: An asynchronous receiver-initiated multichannel MAC protocol with duty cycling for WSNs. , 2010, , .		12
106	A Distributed Efficient Flow Control Scheme for Multirate Multicast Networks. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1254-1266.	5.6	75
107	Delay-Bounded and Energy-Efficient Composite Event Monitoring in Heterogeneous Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1373-1385.	5.6	29
108	M-cube: A Duty Cycle Based Multi-channel MAC Protocol with Multiple Channel Reservation for WSNs. , 2010, , .		1

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109	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
110	Optimization scheme for sensor coverage scheduling with bandwidth constraints. Optimization Letters, 2009, 3, 63-75.	1.6	29
111	Construction of Anti-Collusion Codes Based on Cover-Free Families. , 2009, , .		7
112	A universal framework for partial coverage in Wireless Sensor Networks. , 2009, , .		6
113	Comparative analysis of quality of service and memory usage for adaptive failure detectors in healthcare systems. IEEE Journal on Selected Areas in Communications, 2009, 27, 495-509.	14.0	157
114	A New Method for Estimating the Number of Distinct Values over Data Streams. , 2009, , .		1
115	Distributed Indexing and Data Dissemination in Large Scale Wireless Sensor Networks. , 2009, , .		3
116	Processing Area Queries in Wireless Sensor Networks. , 2009, , .		27
117	Constructing Minimum Connected Dominating Sets with Bounded Diameters in Wireless Networks. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 147-157.	5.6	146
118	Delaunay-triangulation based complete coverage in wireless sensor networks. , 2009, , .		15
119	Real time clustering of sensory data in wireless sensor networks. , 2009, , .		9
120	EFFICIENT DISTRIBUTED ALGORITHMS FOR TOPOLOGY CONTROL PROBLEM WITH SHORTEST PATH CONSTRAINTS. Discrete Mathematics, Algorithms and Applications, 2009, 01, 437-461.	0.6	25
121	Designing k-coverage schedules in wireless sensor networks. Journal of Combinatorial Optimization, 2008, 15, 127-146.	1.3	33
122	Fault-Tolerant Topology Control for All-to-One and One-to-All Communication in Wireles Networks. IEEE Transactions on Mobile Computing, 2008, 7, 322-331.	5.8	36
123	p-Percent Coverage Schedule in Wireless Sensor Networks. , 2008, , .		9
124	Data Estimation in Sensor Networks Using Physical and Statistical Methodologies. , 2008, , .		14
125	Design and Analysis of a Stable Queue Control Scheme for the Internet. , 2008, , .		2
126	TIME: Time-based Index Management for Event Query Processing in Wireless Sensor Networks. , 2008, , .		1

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127	Fast and efficient formation flocking for a group of autonomous mobile robots. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	3
128	A Distributed Neural Network Control Approach for Multicast Services. , 2008, , .		3
129	Minimum Coverage Breach and Maximum Network Lifetime in Wireless Sensor Networks. , 2007, , .		29
130	Dynamic Energy-based Encoding and Filtering in Sensor Networks. , 2007, , .		11
131	Constructing Connected Dominating Sets with Bounded Diameters inWireless Networks. , 2007, , .		8
132	Constructing k-Connected m-Dominating Sets in Wireless Sensor Networks. , 2007, , .		60
133	Composite Event Detection in Wireless Sensor Networks. Performance, Computing and Communications Conference (IPCCC), IEEE International, 2007, , .	0.0	45
134	Constructing Connected Dominating Sets with Bounded Diameters inWireless Networks. , 2007, , .		7
135	On the Construction of a Strongly Connected Broadcast Arborescence with Bounded Transmission Delay. IEEE Transactions on Mobile Computing, 2006, 5, 1460-1470.	5.8	35
136	Energy-efficient broadcast and multicast routing in multihopad hoc wirelessnetworks. Wireless Communications and Mobile Computing, 2006, 6, 213-223.	1.2	28
137	On error-tolerant DNA screening. Discrete Applied Mathematics, 2006, 154, 1753-1758.	0.9	9
138	WSN01-6: Event Query Processing Based on Data-Centric Storage in Wireless Sensor Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
139	Distributed Energy-Efficient Scheduling Approach for K-Coverage in Wireless Sensor Networks. , 2006, , .		19
140	Protein-protein interaction and group testing in bipartite graphs. International Journal of Bioinformatics Research and Applications, 2005, 1, 414.	0.2	19
141	Optimal topology control for balanced energy consumption in wireless networks. Journal of Parallel and Distributed Computing, 2005, 65, 124-131.	4.1	18
142	A Note on Optical Network with Nonsplitting Nodes. Journal of Combinatorial Optimization, 2005, 10, 199-202.	1.3	6
143	On greedy construction of connected dominating sets in wireless networks. Wireless Communications and Mobile Computing, 2005, 5, 927-932.	1.2	157
144	A combination of wireless multicast advantage and hitch-hiking. IEEE Communications Letters, 2005, 9, 1037-1039.	4.1	4

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145	Parallel join algorithms based on parallel B/sup +/-trees. , 0, , .		0
146	Energy-efficient target coverage in wireless sensor networks. , 0, , .		610