

Yingshu Li

List of Publications by Year in descending order

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146
papers

4,836
citations

147801

31
h-index

144013

57
g-index

146
all docs

146
docs citations

146
times ranked

3376
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy-efficient target coverage in wireless sensor networks. , 0, , .		610
2	Deep Learning Based Inference of Private Information Using Embedded Sensors in Smart Devices. IEEE Network, 2018, 32, 8-14.	6.9	304
3	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
4	Cost-Efficient Strategies for Restraining Rumor Spreading in Mobile Social Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2789-2800.	6.3	232
5	On greedy construction of connected dominating sets in wireless networks. Wireless Communications and Mobile Computing, 2005, 5, 927-932.	1.2	157
6	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
7	Data Linkage in Smart Internet of Things Systems: A Consideration from a Privacy Perspective. IEEE Communications Magazine, 2018, 56, 55-61.	6.1	150
8	zkCrowd: A Hybrid Blockchain-Based Crowdsourcing Platform. IEEE Transactions on Industrial Informatics, 2020, 16, 4196-4205.	11.3	147
9	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
10	Sparse target counting and localization in sensor networks based on compressive sensing. , 2011, , .		129
11	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
12	A Distributed Efficient Flow Control Scheme for Multirate Multicast Networks. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1254-1266.	5.6	75
13	A worker-selection incentive mechanism for optimizing platform-centric mobile crowdsourcing systems. Computer Networks, 2020, 171, 107144.	5.1	74
14	An Energy-Efficient Distributed Algorithm for Minimum-Latency Aggregation Scheduling in Wireless Sensor Networks. , 2010, , .		72
15	Approximate Holistic Aggregation in Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2017, 13, 1-24.	3.6	70
16	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
17	Truthful Incentive Mechanisms for Geographical Position Conflicting Mobile Crowdsensing Systems. IEEE Transactions on Computational Social Systems, 2018, 5, 324-334.	4.4	61
18	Constructing k-Connected m-Dominating Sets in Wireless Sensor Networks. , 2007, , .		60

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19	An exploration of broader influence maximization in timeliness networks with opportunistic selection. <i>Journal of Network and Computer Applications</i> , 2016, 63, 39-49.	9.1	55
20	An energy efficient privacy-preserving content sharing scheme in mobile social networks. <i>Personal and Ubiquitous Computing</i> , 2016, 20, 833-846.	2.8	50
21	Privacy Protection Based on Stream Cipher for Spatiotemporal Data in IoT. <i>IEEE Internet of Things Journal</i> , 2020, 7, 7928-7940.	8.7	50
22	EiSIRS: a formal model to analyze the dynamics of worm propagation in wireless sensor networks. <i>Journal of Combinatorial Optimization</i> , 2010, 20, 47-62.	1.3	48
23	Truthful Incentive Mechanisms for Social Cost Minimization in Mobile Crowdsourcing Systems. <i>Sensors</i> , 2016, 16, 481.	3.8	46
24	Composite Event Detection in Wireless Sensor Networks. <i>Performance, Computing and Communications Conference (IPCCC), IEEE International</i> , 2007, , .	0.0	45
25	Constructing Load-Balanced Data Aggregation Trees in Probabilistic Wireless Sensor Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2014, 25, 1681-1690.	5.6	45
26	Sensor scheduling for p-percent coverage in wireless sensor networks. <i>Cluster Computing</i> , 2011, 14, 27-40.	5.0	44
27	Influence maximization by probing partial communities in dynamic online social networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017, 28, e3054.	3.9	43
28	Capacity of dual-radio multi-channel wireless sensor networks for continuous data collection. , 2011, , .		41
29	Minimum-latency aggregation scheduling in wireless sensor network. <i>Journal of Combinatorial Optimization</i> , 2016, 31, 279-310.	1.3	41
30	Exploring Connected Dominating Sets in Energy Harvest Networks. <i>IEEE/ACM Transactions on Networking</i> , 2017, 25, 1803-1817.	3.8	40
31	On the construction of k-connected m-dominating sets in wireless networks. <i>Journal of Combinatorial Optimization</i> , 2012, 23, 118-139.	1.3	38
32	Fault-Tolerant Topology Control for All-to-One and One-to-All Communication in Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , 2008, 7, 322-331.	5.8	36
33	VEBEK: Virtual Energy-Based Encryption and Keying for Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2010, 9, 994-1007.	5.8	36
34	On the Construction of a Strongly Connected Broadcast Arborescence with Bounded Transmission Delay. <i>IEEE Transactions on Mobile Computing</i> , 2006, 5, 1460-1470.	5.8	35
35	Location Privacy Leakage through Sensory Data. <i>Security and Communication Networks</i> , 2017, 2017, 1-12.	1.5	35
36	Designing k-coverage schedules in wireless sensor networks. <i>Journal of Combinatorial Optimization</i> , 2008, 15, 127-146.	1.3	33

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37	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
38	Neighborhood-based uncertainty generation in social networks. Journal of Combinatorial Optimization, 2014, 28, 561-576.	1.3	30
39	Anonymization in Online Social Networks Based on Enhanced Equi-Cardinal Clustering. IEEE Transactions on Computational Social Systems, 2019, 6, 809-820.	4.4	30
40	Minimum Coverage Breach and Maximum Network Lifetime in Wireless Sensor Networks. , 2007, , .		29
41	Optimization scheme for sensor coverage scheduling with bandwidth constraints. Optimization Letters, 2009, 3, 63-75.	1.6	29
42	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
43	Energy-efficient broadcast and multicast routing in multihop ad hoc wireless networks. Wireless Communications and Mobile Computing, 2006, 6, 213-223.	1.2	28
44	Processing Area Queries in Wireless Sensor Networks. , 2009, , .		27
45	Continuous Data Collection Capacity of Wireless Sensor Networks under Physical Interference Model. , 2011, , .		27
46	SMITE: A stochastic compressive data collection protocol for Mobile Wireless Sensor Networks. , 2011, , .		27
47	An Incentive Mechanism in Mobile Crowdsourcing Based on Multi-Attribute Reverse Auctions. Sensors, 2018, 18, 3453.	3.8	27
48	Load-balanced CDS construction in wireless sensor networks via genetic algorithm. International Journal of Sensor Networks, 2012, 11, 166.	0.4	26
49	Approximate event detection over multi-modal sensing data. Journal of Combinatorial Optimization, 2016, 32, 1002-1016.	1.3	26
50	Protecting query privacy with differentially private k-anonymity in location-based services. Personal and Ubiquitous Computing, 2018, 22, 453-469.	2.8	26
51	Task Allocation Model Based on Worker Friend Relationship for Mobile Crowdsourcing. Sensors, 2019, 19, 921.	3.8	26
52	EFFICIENT DISTRIBUTED ALGORITHMS FOR TOPOLOGY CONTROL PROBLEM WITH SHORTEST PATH CONSTRAINTS. Discrete Mathematics, Algorithms and Applications, 2009, 01, 437-461.	0.6	25
53	Approximate data aggregation in sensor equipped IoT networks. Tsinghua Science and Technology, 2020, 25, 44-55.	6.1	25
54	Customized privacy preserving for inherent data and latent data. Personal and Ubiquitous Computing, 2017, 21, 43-54.	2.8	23

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55	An Empirical Study on the Privacy Preservation of Online Social Networks. IEEE Access, 2018, 6, 19912-19922.	4.2	23
56	An 802.11 MAC layer covert channel. Wireless Communications and Mobile Computing, 2012, 12, 393-405.	1.2	22
57	Di-Sec: A distributed security framework for heterogeneous Wireless Sensor Networks. , 2012, , .		20
58	Hybrid Blockchain Design for Privacy Preserving Crowdsourcing Platform. , 2019, , .		20
59	Protein-protein interaction and group testing in bipartite graphs. International Journal of Bioinformatics Research and Applications, 2005, 1, 414.	0.2	19
60	Distributed Energy-Efficient Scheduling Approach for K-Coverage in Wireless Sensor Networks. , 2006, , .		19
61	Data Collection in Multi-Application Sharing Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 403-412.	5.6	19
62	Optimal topology control for balanced energy consumption in wireless networks. Journal of Parallel and Distributed Computing, 2005, 65, 124-131.	4.1	18
63	The Truthful Evolution and Incentive for Large-Scale Mobile Crowd Sensing Networks. IEEE Access, 2018, 6, 51187-51199.	4.2	17
64	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
65	Continuous data aggregation and capacity in probabilistic wireless sensor networks. Journal of Parallel and Distributed Computing, 2013, 73, 729-745.	4.1	16
66	Broadcast Scheduling in Battery-Free Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2019, 15, 1-34.	3.6	16
67	Sustainable Blockchain-Based Digital Twin Management Architecture for IoT Devices. IEEE Internet of Things Journal, 2023, 10, 6535-6548.	8.7	16
68	Delaunay-triangulation based complete coverage in wireless sensor networks. , 2009, , .		15
69	Genetic-algorithm-based construction of Load-Balanced CDSs in Wireless Sensor Networks. , 2011, , .		15
70	The Roles of Social Network Mavens. , 2016, , .		15
71	Data Estimation in Sensor Networks Using Physical and Statistical Methodologies. , 2008, , .		14
72	Application-aware data collection in Wireless Sensor Networks. , 2013, , .		14

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73	Greedy construction of load-balanced virtual backbones in wireless sensor networks. <i>Wireless Communications and Mobile Computing</i> , 2014, 14, 673-688.	1.2	14
74	Achieving Effective ϵ -Anonymity for Query Privacy in Location-Based Services. <i>IEEE Access</i> , 2017, 5, 24580-24592.	4.2	14
75	Reliable and energy efficient target coverage for wireless sensor networks. <i>Tsinghua Science and Technology</i> , 2011, 16, 464-474.	6.1	13
76	Constructing load-balanced virtual backbones in probabilistic wireless sensor networks via multi-objective genetic algorithm. <i>Transactions on Emerging Telecommunications Technologies</i> , 2015, 26, 147-163.	3.9	13
77	Deletion Propagation for Multiple Key Preserving Conjunctive Queries: Approximations and Complexity. , 2019, , .		13
78	A model for integrating heterogeneous sensory data in IoT systems. <i>Computer Networks</i> , 2019, 150, 1-14.	5.1	13
79	Latency-efficient Data Collection Scheduling in Battery-free Wireless Sensor Networks. <i>ACM Transactions on Sensor Networks</i> , 2020, 16, 1-21.	3.6	13
80	ARM: An asynchronous receiver-initiated multichannel MAC protocol with duty cycling for WSNs. , 2010, , .		12
81	Approximate Holistic Aggregation in Wireless Sensor Networks. , 2015, , .		12
82	Label Coloring Based Beaconing Schedule in Duty-Cycled Multihop Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , 2020, 19, 1123-1137.	5.8	12
83	Dynamic Energy-based Encoding and Filtering in Sensor Networks. , 2007, , .		11
84	A Survey on Privacy Issues in Mobile Social Networks. <i>IEEE Access</i> , 2020, 8, 130906-130921.	4.2	11
85	Multistrategy Repeated Game-Based Mobile Crowdsourcing Incentive Mechanism for Mobile Edge Computing in Internet of Things. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-18.	1.2	11
86	Constructing a load-balanced virtual backbone in Wireless Sensor Networks. , 2012, , .		10
87	On error-tolerant DNA screening. <i>Discrete Applied Mathematics</i> , 2006, 154, 1753-1758.	0.9	9
88	p-Percent Coverage Schedule in Wireless Sensor Networks. , 2008, , .		9
89	Real time clustering of sensory data in wireless sensor networks. , 2009, , .		9
90	Data Aggregation Scheduling in Probabilistic Wireless Networks with Cognitive Radio Capability. , 2016, , .		9

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91	Privacy-Enhancing Preferential LBS Query for Mobile Social Network Users. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-13.	1.2	9
92	AoI Minimization Data Collection Scheduling for Battery-Free Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2021, , 1-1.	5.8	9
93	Constructing Connected Dominating Sets with Bounded Diameters in Wireless Networks. , 2007, , .		8
94	A Resilient and Scalable Flocking Scheme in Autonomous Vehicular Networks. <i>Mobile Networks and Applications</i> , 2010, 15, 126-136.	3.3	8
95	Data aggregation scheduling in wireless networks with Cognitive Radio capability. , 2014, , .		8
96	Multi-regional query scheduling in wireless sensor networks with minimum latency. <i>Wireless Communications and Mobile Computing</i> , 2014, 14, 849-864.	1.2	8
97	Achieving differential privacy of genomic data releasing via belief propagation. <i>Tsinghua Science and Technology</i> , 2018, 23, 389-395.	6.1	8
98	Constructing Connected Dominating Sets with Bounded Diameters in Wireless Networks. , 2007, , .		7
99	Construction of Anti-Collusion Codes Based on Cover-Free Families. , 2009, , .		7
100	A Note on Optical Network with Nonsplitting Nodes. <i>Journal of Combinatorial Optimization</i> , 2005, 10, 199-202.	1.3	6
101	A universal framework for partial coverage in Wireless Sensor Networks. , 2009, , .		6
102	Minimum latency scheduling for Multi-Regional Query in Wireless Sensor Networks. , 2011, , .		6
103	Maximising influence in sensed heterogeneous social network with privacy preservation. <i>International Journal of Sensor Networks</i> , 2018, 28, 69.	0.4	6
104	An optimal content caching framework for utility maximization. <i>Tsinghua Science and Technology</i> , 2016, 21, 374-384.	6.1	5
105	A Hierarchical Game Framework for Data Privacy Preservation in Context-Aware IoT Applications. , 2017, , .		5
106	Retrieving the relative kernel dataset from big sensory data for continuous queries in IoT systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2019, 2019, .	2.4	5
107	Inference Attacks and Controls on Genotypes and Phenotypes for Individual Genomic Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020, 17, 930-937.	3.0	5
108	Digital-Twin-Aided Product Design Framework For IoT Platforms. <i>IEEE Internet of Things Journal</i> , 2022, 9, 9290-9300.	8.7	5

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109	Data Aggregation Scheduling in Battery-Free Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2022, 21, 1972-1984.	5.8	5
110	A combination of wireless multicast advantage and hitch-hiking. IEEE Communications Letters, 2005, 9, 1037-1039.	4.1	4
111	WSN01-6: Event Query Processing Based on Data-Centric Storage in Wireless Sensor Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
112	DSF - A Distributed Security Framework for heterogeneous wireless sensor networks. , 2010, , .		4
113	Approximate multiple count in Wireless Sensor Networks. , 2014, , .		4
114	IoT-based cost saving offloading system for cellular networks. Tsinghua Science and Technology, 2017, 22, 379-388.	6.1	4
115	Vertex cover in conflict graphs. Theoretical Computer Science, 2019, 774, 103-112.	0.9	4
116	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
117	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
118	A Distributed Neural Network Control Approach for Multicast Services. , 2008, , .		3
119	Distributed Indexing and Data Dissemination in Large Scale Wireless Sensor Networks. , 2009, , .		3
120	A framework of distributed indexing and data dissemination in large scale wireless sensor networks. Optimization Letters, 2010, 4, 335-345.	1.6	3
121	Prediction-based routing with packet scheduling under temporal constraint in delay tolerant networks. , 2013, , .		3
122	Optimizing Retransmission Threshold in Wireless Sensor Networks. Sensors, 2016, 16, 665.	3.8	3
123	An Efficient Context-Aware Privacy Preserving Approach for Smartphones. Security and Communication Networks, 2017, 2017, 1-11.	1.5	3
124	Scheduling multi-task jobs with extra utility in data centers. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, 200.	2.4	3
125	Differential Privacy Preserving Genomic Data Releasing via Factor Graph. Lecture Notes in Computer Science, 2017, , 350-355.	1.3	3
126	Time constraint influence maximization algorithm in the age of big data. International Journal of Computational Science and Engineering, 2017, 15, 165.	0.5	3

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127	Principal component analysis based data collection for sustainable internet of things enabled Cyber-Physical Systems. <i>Microprocessors and Microsystems</i> , 2022, 88, 104032.	2.8	3
128	Design and Analysis of a Stable Queue Control Scheme for the Internet. , 2008, , .		2
129	A security management scheme for failure detector distributed systems based on self-tuning control theory. <i>Journal of Intelligent Manufacturing</i> , 2011, 22, 333-342.	7.3	2
130	A Multi-Objective Genetic Algorithm for constructing load-balanced virtual backbones in probabilistic Wireless Sensor Networks. , 2013, , .		2
131	SHMDRS: A Smartphone-Based Human Motion Detection and Response System. <i>Lecture Notes in Computer Science</i> , 2016, , 174-185.	1.3	2
132	Guest Editorial Special Issue on Fog Computing in the Internet of Things. <i>IEEE Internet of Things Journal</i> , 2017, 4, 1113-1116.	8.7	2
133	TIME: Time-based Index Management for Event Query Processing in Wireless Sensor Networks. , 2008, , .		1
134	A New Method for Estimating the Number of Distinct Values over Data Streams. , 2009, , .		1
135	M-cube: A Duty Cycle Based Multi-channel MAC Protocol with Multiple Channel Reservation for WSNs. , 2010, , .		1
136	Computing an effective decision making group of a society using social network analysis. <i>Journal of Combinatorial Optimization</i> , 2014, 28, 577-587.	1.3	1
137	A Simpler Constant Factor Approximation for the k -Connected m -Domination Set Problem in Unit Disk Graph. , 2016, , .		1
138	Parameterized complexity of completeness reasoning for conjunctive queries. <i>Theoretical Computer Science</i> , 2021, 864, 34-49.	0.9	1
139	Parallel join algorithms based on parallel B ⁺ -trees. , 0, , .		0
140	Guest editorial: Special issue on wireless computing and networking. <i>Tsinghua Science and Technology</i> , 2012, 17, 485-486.	6.1	0
141	Efficient respondents selection for biased survey using homophily-high social relation graph. <i>Discrete Mathematics, Algorithms and Applications</i> , 2016, 08, 1650071.	0.6	0
142	(α, β) -Monitoring for event detection in wireless sensor networks. <i>Journal of Combinatorial Optimization</i> , 2016, 32, 985-1001.	1.3	0
143	On the complexity and approximability of repair position selection problem. <i>Journal of Combinatorial Optimization</i> , 2018, , 1.	1.3	0
144	Optimizing Data Collection Capacity in Wireless Networks. , 2013, , 2503-2547.		0

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145	User Motivation Based Privacy Preservation in Location Based Social Networks. , 2021, , .		0
146	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