Jianzhong Li

List of Publications by Year
in descending order

138 papers	2,090 citations	393982 19 h-index	360668 35 g-index
139 all docs	139 docs citations	139 times ranked	1712 citing authors

#	Article	IF	Citations
1	Approximated Assignment Algorithms for Unordered and Ordered Tasks in Data Shared MEC Systems. IEEE Transactions on Mobile Computing, 2023, 22, 1968-1987.	3.9	0
2	A Distributed Framework for Low-Latency Data Collection in Battery-Free Wireless Sensor Networks. IEEE Internet of Things Journal, 2022, 9, 8438-8453.	5.5	6
3	Durable Subgraph Matching on Temporal Graphs. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	2
4	Efficient trajectory compression and range query processing. World Wide Web, 2022, 25, 1259-1285.	2.7	3
5	Leveraging Currency for Repairing Inconsistent and Incomplete Data (Extended Abstract). , 2021, , .		0
6	A survey of uncertain data management. Frontiers of Computer Science, 2020, 14, 162-190.	1.6	10
7	Diversification on big data in query processing. Frontiers of Computer Science, 2020, 14, 1.	1.6	6
8	Demo Abstract: iCrutch: A Smartphone-based Intelligent Crutch for Smart Home Applications. , 2020, , .		0
9	Auto-Model: Utilizing Research Papers and HPO Techniques to Deal with the CASH problem. , 2020, , .		5
10	SUM-optimal histograms for approximate query processing. Knowledge and Information Systems, 2020, 62, 3155-3180.	2.1	0
11	TAILOR: time-aware facility location recommendation based on massive trajectories. Knowledge and Information Systems, 2020, 62, 3783-3810.	2.1	0
12	Fast diversified coherent core search on multi-layer graphs. VLDB Journal, 2019, 28, 597-622.	2.7	6
13	Discovery of MicroDependencies. IEEE Access, 2019, 7, 50198-50213.	2.6	0
14	Rule-Based Entity Resolution on Database with Hidden Temporal Information (Extended Abstract). , 2019, , .		0
15	Bit-oriented Sampling for Aggregation on Big Data. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	4.0	1
16	FreshJoin: An Efficient and Adaptive Algorithm for Set Containment Join. Data Science and Engineering, 2019, 4, 293-308.	4.6	7
17	An Iterative Scheme for Leverage-Based Approximate Aggregation. , 2019, , .		2
18	Efficiently Mining Frequent Itemsets on Massive Data. IEEE Access, 2019, 7, 31409-31421.	2.6	16

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19	Task Assignment Algorithms in Data Shared Mobile Edge Computing Systems. , 2019, , .		16
20	Ranking the big sky: efficient top-k skyline computation on massive data. Knowledge and Information Systems, 2019, 60, 415-446.	2.1	3
21	AutoRepair: an automatic repairing approach over multi-source data. Knowledge and Information Systems, 2019, 61, 227-257.	2.1	8
22	Task Scheduling in Deadline-Aware Mobile Edge Computing Systems. IEEE Internet of Things Journal, 2019, 6, 4854-4866.	5.5	121
23	Efficiently processing deterministic approximate aggregation query on massive data. Knowledge and Information Systems, 2018, 57, 437-473.	2.1	4
24	Efficient histogram-based range query estimation for dirty data. Frontiers of Computer Science, 2018, 12, 984-999.	1.6	1
25	Efficient Top-k Dominating Computation on Massive Data (Extended Abstract). , 2018, , .		0
26	Fast Rectangle Counting on Massive Networks. , 2018, , .		7
27	Distributed Low-Latency Data Aggregation for Duty-Cycle Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2018, 26, 2347-2360.	2.6	37
28	Efficient Computation of Skyline Queries on Incomplete Dynamic Data. IEEE Access, 2018, 6, 52741-52753.	2.6	3
29	Energy-Collision Aware Data Aggregation Scheduling for Energy Harvesting Sensor Networks. , 2018, , .		50
30	Minimized-cost cube query on heterogeneous information networks. Journal of Combinatorial Optimization, 2017, 33, 339-364.	0.8	1
31	Scheduling Flows With Multiple Service Frequency Constraints. IEEE Internet of Things Journal, 2017, 4, 496-504.	5.5	18
32	Towards efficient top-k reliability search on uncertain graphs. Knowledge and Information Systems, 2017, 50, 723-750.	2.1	3
33	Exploring Connected Dominating Sets in Energy Harvest Networks. IEEE/ACM Transactions on Networking, 2017, 25, 1803-1817.	2.6	40
34	Efficient Top-k Dominating Computation on Massive Data. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1199-1211.	4.0	13
35	Extracting Kernel Dataset from Big Sensory Data in Wireless Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 813-827.	4.0	146
36	Achieving Effective k -Anonymity for Query Privacy in Location-Based Services. IEEE Access, 2017, 5, 24580-24592.	2.6	14

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37	Any-Time Methods for Time-Series Prediction with Missing Observations. , 2017, , .		1
38	Distributed Data Aggregation Scheduling in Multi-Channel and Multi-Power Wireless Sensor Networks. IEEE Access, 2017, 5, 27887-27896.	2.6	14
39	Location-privacy-aware review publication mechanism for local business service systems. , 2017, , .		83
40	Approximation for vertex cover in $$eta$$ Î² -conflict graphs. Journal of Combinatorial Optimization, 2017, 34, 1052-1059.	0.8	0
41	SimRank on Uncertain Graphs. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2522-2536.	4.0	4
42	A Study on Application-Aware Scheduling in Wireless Networks. IEEE Transactions on Mobile Computing, 2017, 16, 1787-1801.	3.9	83
43	Centralized and Distributed Delay-Bounded Scheduling Algorithms for Multicast in Duty-Cycled Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2017, 25, 3573-3586.	2.6	25
44	Approximate Sensory Data Collection: A Survey. Sensors, 2017, 17, 564.	2.1	20
45	Efficient top-k retrieval on massive data. , 2016, , .		0
46	Gateway Selection Game in Cyber-Physical Systems. International Journal of Distributed Sensor Networks, 2016, 12, 7190767.	1.3	3
47	SimRank computation on uncertain graphs. , 2016, , .		15
48	Data Inconsistency Evaluation for Cyberphysical System. International Journal of Distributed Sensor Networks, 2016, 12, 9496878.	1.3	1
49	Skyline for geo-textual data. GeoInformatica, 2016, 20, 453-469.	2.0	14
50	$$(alpha , au)$$ (Î± , Ï„) -Monitoring for event detection in wireless sensor networks. Journal of Combinatorial Optimization, 2016, 32, 985-1001.	0.8	0
51	Evaluating entity-description conflict on duplicated data. Journal of Combinatorial Optimization, 2016, 31, 918-941.	0.8	4
52	Efficient entity resolution based on subgraph cohesion. Knowledge and Information Systems, 2016, 46, 285-314.	2.1	16
53	Extend tree edit distance for effective object identification. Knowledge and Information Systems, 2016, 46, 629-656.	2.1	2
54	TKAP: Efficiently processing top-k query on massive data by adaptive pruning. Knowledge and Information Systems, 2016, 47, 301-328.	2.1	5

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55	An efficient pruning strategy for approximate string matching over suffix tree. Knowledge and Information Systems, 2016, 49, 121-141.	2.1	4
56	Efficient graph similarity join for information integration on graphs. Frontiers of Computer Science, 2016, 10, 317-329.	1.6	13
57	A minimized-rule based approach for improving data currency. Journal of Combinatorial Optimization, 2016, 32, 812-841.	0.8	8
58	Approximate event detection over multi-modal sensing data. Journal of Combinatorial Optimization, 2016, 32, 1002-1016.	0.8	26
59	Energy-Efficient Algorithm for Multicasting in Duty-Cycled Sensor Networks. Sensors, 2015, 15, 31224-31243.	2.1	21
60	Efficient Top-k Retrieval on Massive Data. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 2687-2699.	4.0	10
61	Curve Query Processing in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5198-5209.	3.9	127
62	Novel ε -Approximation to Data Streams in Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1654-1667.	4.0	4
63	Dynamic Resource Allocation of Gateways for Packet Transmission in Cyber-Physical Systems. , 2015, , .		1
64	Discovery of Field Functional Dependencies. , 2015, , .		0
65	Drawing dominant dataset from big sensory data in wireless sensor networks. , 2015, , .		91
66	Composite event coverage in wireless sensor networks with heterogeneous sensors. , 2015, , .		54
67	Rule-Based Method for Entity Resolution. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 250-263.	4.0	40
68	TDEP: efficiently processing top-k dominating query on massive data. Knowledge and Information Systems, 2015, 43, 689-718.	2.1	20
69	SEPT: an efficient skyline join algorithm on massive data. Knowledge and Information Systems, 2015, 43, 355-388.	2.1	3
70	Data Collection in Multi-Application Sharing Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 403-412.	4.0	19
71	Efficient subgraph join based on connectivity similarity. World Wide Web, 2015, 18, 871-887.	2.7	2
72	Deadline Aware Retransmission Threshold Setting Protocol in Cyber-Physical Systems. International Journal of Distributed Sensor Networks, 2015, 11, 271259.	1.3	2

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73	Minimized Cost Gateway Deployment in Cyber-Physical Systems. International Journal of Distributed Sensor Networks, 2015, 11, 813656.	1.3	3
74	Handling Interservice Time Constraints in Wireless Networks. International Journal of Distributed Sensor Networks, 2015, 11, 280109.	1.3	0
75	Relative Accuracy Evaluation. PLoS ONE, 2014, 9, e103853.	1.1	1
76	A linear classification approach to model the early cellular responses induced by drugs. , 2014, , .		0
77	Approximate Physical World Reconstruction Algorithms in Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3099-3110.	4.0	62
78	Secure Continuous Aggregation in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 762-774.	4.0	8
79	Approximate multiple count in Wireless Sensor Networks. , 2014, , .		4
80	Neighbor-base similarity matching for graphs. , 2014, , .		0
81	Incremental Detection of Inconsistencies in Distributed Data. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1367-1383.	4.0	22
82	An improved distributed data aggregation scheduling in wireless sensor networks. Journal of Combinatorial Optimization, 2014, 27, 221-240.	0.8	8
83	Efficient Skyline Computation on Big Data. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2521-2535.	4.0	57
84	O(ε)-Approximation to physical world by sensor networks. , 2013, , .		28
85	An experimental research for automatic classification of unbalanced single-channel protein sub-cellular location fluorescence image set. , 2013, , .		1
86	&#x03B5;-Approximation to data streams in sensor networks. , 2013, , .		3
87	Application-aware data collection in Wireless Sensor Networks. , 2013, , .		14
88	Integrated analysis of hela cell microRNAs' microarray data and anti-cancer pathway prediction of beta-sitosterol. , 2012, , .		0
89	(Îµ, Î´)-Approximate Aggregation Algorithms in Dynamic Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 385-396.	4.0	30
90	Grouping-Enhanced Resilient Probabilistic En-Route Filtering of Injected False Data in WSNs. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 881-889.	4.0	5

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91	Mining frequent subgraphs over uncertain graph databases under probabilistic semantics. VLDB Journal, 2012, 21, 753-777.	2.7	26
92	PI-Join: Efficiently processing join queries on massive data. Knowledge and Information Systems, 2012, 32, 527-557.	2.1	7
93	Privacy-preserving and secure top-k query in two-tier wireless sensor network. , 2012, , .		12
94	Adding regular expressions to graph reachability and pattern queries. Frontiers of Computer Science, 2012, 6, 313-338.	1.6	17
95	Ad Hoc Aggregation Query Processing Algorithms Based on Bit-Store in Data Intensive Cloud. , 2011, , .		1
96	Making Aggregation Scheduling Usable in Wireless Sensor Networks: An Opportunistic Approach. , 2011, , .		2
97	Target Tracking under Uncertainty in Wireless Sensor Networks. , 2011, , .		9
98	Global weighted fairness guaranteed congestion avoidance protocol for wireless sensor networks. , 2011, , .		5
99	Efficient Algorithms for Summarizing Graph Patterns. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 1388-1405.	4.0	10
100	Minimum-time aggregation scheduling in multi-sink sensor networks. , 2011, , .		20
101	Multiple task scheduling for low-duty-cycled wireless sensor networks. , 2011, , .		33
102	Secure continuous aggregation via sampling-based verification in wireless sensor networks. , 2011, , .		3
103	An Efficient Algorithm for Cut Vertex Detection in Wireless Sensor Networks. , 2010, , .		28
104	Finding top-k maximal cliques in an uncertain graph. , 2010, , .		71
105	Mining Frequent Subgraph Patterns from Uncertain Graph Data. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 1203-1218.	4.0	114
106	Maximize the Lifetime of a Data-gathering Wireless Sensor Network. , 2009, , .		11
107	State of Tanzania e-readiness and e-commerce: Overview. Information Technology for Development, 2009, 15, 302-311.	2.7	11
108	Cluster based parallel database management system for data intensive computing. Frontiers of Computer Science, 2009, 3, 302-314.	0.6	1

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109	Replica Placement in Multi-tier Data Grid. , 2009, , .		9
110	TPSS: A two-phase sleep scheduling protocol for object tracking in sensor networks. , 2009, , .		6
111	Clustered Chain Path Index for XML Document: Efficiently Processing Branch Queries. World Wide Web, 2008, 11, 153-168.	2.7	4
112	Coding-based Join Algorithms for Structural Queries on Graph-Structured XML Document. World Wide Web, 2008, 11, 485-510.	2.7	9
113	A ROI-Based Mining Method with Medical Domain Knowledge Guidance. , 2008, , .		3
114	Association rule mining with domain knowledge constraint. , 2008, , .		2
115	Probing Queries in Wireless Sensor Networks. , 2008, , .		11
116	QoS as Means of Providing WSNs Security. , 2008, , .		11
117	A load balancing replica placement strategy in Data Grid. , 2008, , .		7
118	SpyMon: Hidden network monitoring for security in wireless sensor Networks. , 2008, , .		3
119	Anonymizing Streaming Data for Privacy Protection. , 2008, , .		48
120	TIME: Time-based Index Management for Event Query Processing in Wireless Sensor Networks. , 2008, , .		1
121	An Efficient Clustering-Based Method for Data Gathering and Compressing in Sensor Networks. , 2007, , .		7
122	An Energy Efficient Query Processing Algorithm Based on Relevant Node Selection for Wireless Sensor Networks. , 2007, , .		0
123	Clustering wavelets to speed-up data dissemination in structured P2P MANETs. , 2007, , .		1
124	Tasks Allocation for Real-Time Applications in Heterogeneous Sensor Networks for Energy Minimization. , 2007, , .		19
125	Evaluation Models for the Effect of Sample Imbalance on Gene Selection. , 2006, , .		0
126	The design and implementation of a digital music library. International Journal on Digital Libraries, 2006, 6, 82-97.	1.1	7

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127	Spatio-temporal Pattern Query Processing based on Effective Trajectory Splitting Models in Moving Object Database. , 2006, , .		4
128	WSN01-6: Event Query Processing Based on Data-Centric Storage in Wireless Sensor Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
129	SlidingWindow based Multi-Join Algorithms over Distributed Data Streams. , 2006, , .		5
130	Non-blocking Disk-Tape Join Algorithm for Data on Tertiary Storage Systems. , 2005, , .		1
131	Energy-Efficient Adaptive Resource Management Strategy for Large-scale Mobile Ad Hoc Networks. , 2005, , .		0
132	OLAP for XML Data. , 2005, , .		6
133	Efficient aggregation algorithms on very large compressed data warehouses. Journal of Computer Science and Technology, 2000, 15, 213-229.	0.9	4
134	Parallel join algorithms based on parallel B/sup +/-trees. , 0, , .		0
135	Results processing in a heterogeneous word. , 0, , .		0
136	An effective wrapper architecture to heterogeneous data source. , 0, , .		2
137	A music data model and its application. , 0, , .		3
138	A Model-Free and Stable Gene Selection in Microarray Data Analysis. , 0, , .		2