Jianzhong Li

List of Publications by Citations

113 papers	1,580 citations	20 h-index	36 g-index
139 ext. papers	1,826 ext. citations	2.9 avg, IF	5.15 L-index

#	Paper	IF	Citations
113	Extracting Kernel Dataset from Big Sensory Data in Wireless Sensor Networks. *IEEE Transactions on Knowledge and Data Engineering*, **2017**, 29, 813-827	4.2	123
112	Curve Query Processing in Wireless Sensor Networks. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 5198-5209	6.8	107
111	Mining Frequent Subgraph Patterns from Uncertain Graph Data. *IEEE Transactions on Knowledge and Data Engineering*, **2010**, 22, 1203-1218	4.2	88
110	Task Scheduling in Deadline-Aware Mobile Edge Computing Systems. *IEEE Internet of Things Journal* , **2019**, 6, 4854-4866	10.7	81
109	Drawing dominant dataset from big sensory data in wireless sensor networks **2015**,		78
108	A Study on Application-Aware Scheduling in Wireless Networks. *IEEE Transactions on Mobile Computing*, **2017**, 16, 1787-1801	4.6	68
107	Location-privacy-aware review publication mechanism for local business service systems **2017**,		67
106	Finding top-k maximal cliques in an uncertain graph **2010**,		57
105	Approximate Physical World Reconstruction Algorithms in Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 3099-3110	3.7	50
104	Composite event coverage in wireless sensor networks with heterogeneous sensors **2015**,		44
103	Energy-Collision Aware Data Aggregation Scheduling for Energy Harvesting Sensor Networks **2018**,		44
102	Efficient Skyline Computation on Big Data. *IEEE Transactions on Knowledge and Data Engineering*, **2013**, 25, 2521-2535	4.2	43
101	Exploring Connected Dominating Sets in Energy Harvest Networks. *IEEE/ACM Transactions on Networking*, **2017**, 25, 1803-1817	3.8	35
100	Anonymizing Streaming Data for Privacy Protection **2008**,		34
99	Rule-Based Method for Entity Resolution. *IEEE Transactions on Knowledge and Data Engineering*, **2015**, 27, 250-263	4.2	29
98	Multiple task scheduling for low-duty-cycled wireless sensor networks **2011**,		29
97	Distributed Low-Latency Data Aggregation for Duty-Cycle Wireless Sensor Networks. *IEEE/ACM Transactions on Networking*, **2018**, 26, 2347-2360	3.8	28

96	(□)-Approximate Aggregation Algorithms in Dynamic Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2012**, 23, 385-396	3.7	26
95	Approximate event detection over multi-modal sensing data. *Journal of Combinatorial Optimization*, **2016**, 32, 1002-1016	0.9	23
94	Mining frequent subgraphs over uncertain graph databases under probabilistic semantics. *VLDB Journal*, **2012**, 21, 753-777	3.9	20
93	Scheduling Flows With Multiple Service Frequency Constraints. *IEEE Internet of Things Journal*, **2017**, 4, 496-504	10.7	18
92	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	18
91	Energy-Efficient Algorithm for Multicasting in Duty-Cycled Sensor Networks. *Sensors*, **2015**, 15, 31224-43	3.8	17
90	Minimum-time aggregation scheduling in multi-sink sensor networks **2011**,		17
89	TDEP: efficiently processing top-k dominating query on massive data. *Knowledge and Information Systems*, **2015**, 43, 689-718	2.4	16
88	Approximate Sensory Data Collection: A Survey. *Sensors*, **2017**, 17,	3.8	16
87	Incremental Detection of Inconsistencies in Distributed Data. *IEEE Transactions on Knowledge and Data Engineering*, **2014**, 26, 1367-1383	4.2	16
86	O(□)-Approximation to physical world by sensor networks **2013**,		16
85	Adding regular expressions to graph reachability and pattern queries. *Frontiers of Computer Science*, **2012**, 6, 313-338	2.2	15
84	Tasks Allocation for Real-Time Applications in Heterogeneous Sensor Networks for Energy Minimization **2007**,		15
83	Data Collection in Multi-Application Sharing Wireless Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2015**, 26, 403-412	3.7	14
82	Efficiently Mining Frequent Itemsets on Massive Data. *IEEE Access*, **2019**, 7, 31409-31421	3.5	13
81	An Efficient Algorithm for Cut Vertex Detection in Wireless Sensor Networks **2010**,		13
80	Efficient entity resolution based on subgraph cohesion. *Knowledge and Information Systems*, **2016**, 46, 285-314	2.4	12
79	Application-aware data collection in Wireless Sensor Networks **2013**,		12

78	SimRank computation on uncertain graphs **2016**,		12
77	Skyline for geo-textual data. *GeoInformatica*, **2016**, 20, 453-469	2.5	11
76	Efficient Top-k Dominating Computation on Massive Data. *IEEE Transactions on Knowledge and Data Engineering*, **2017**, 29, 1199-1211	4.2	10
75	Achieving Effective k -Anonymity for Query Privacy in Location-Based Services. *IEEE Access*, **2017**, 5, 24580-24592	3.5	10
74	Distributed Data Aggregation Scheduling in Multi-Channel and Multi-Power Wireless Sensor Networks. *IEEE Access*, **2017**, 5, 27887-27896	3.5	10
73	Efficient graph similarity join for information integration on graphs. *Frontiers of Computer Science*, **2016**, 10, 317-329	2.2	9
72	State of Tanzania e-readiness and e-commerce: Overview. *Information Technology for Development*, **2009**, 15, 302-311	3.3	9
71	Coding-based Join Algorithms for Structural Queries on Graph-Structured XML Document. *World Wide Web*, **2008**, 11, 485-510	2.9	9
70	Efficient Top-k Retrieval on Massive Data. *IEEE Transactions on Knowledge and Data Engineering*, **2015**, 27, 2687-2699	4.2	8
69	Probing Queries in Wireless Sensor Networks **2008**,		8
68	An improved distributed data aggregation scheduling in wireless sensor networks. *Journal of Combinatorial Optimization*, **2014**, 27, 221-240	0.9	7
67	PI-Join: Efficiently processing join queries on massive data. *Knowledge and Information Systems*, **2012**, 32, 527-557	2.4	7
66	Target Tracking under Uncertainty in Wireless Sensor Networks **2011**,		7
65	Maximize the Lifetime of a Data-gathering Wireless Sensor Network **2009**,		7
64	Task Assignment Algorithms in Data Shared Mobile Edge Computing Systems **2019**,		7
63	FreshJoin: An Efficient and Adaptive Algorithm for Set Containment Join. *Data Science and Engineering*, **2019**, 4, 293-308	3.6	6
62	Replica Placement in Multi-tier Data Grid **2009**,		6
61	QoS as Means of Providing WSNs Security **2008**,		6

60	The design and implementation of a digital music library. *International Journal on Digital Libraries*, **2006**, 6, 82-97	1.4	6
59	A survey of uncertain data management. *Frontiers of Computer Science*, **2020**, 14, 162-190	2.2	6
58	Efficient Algorithms for Summarizing Graph Patterns. *IEEE Transactions on Knowledge and Data Engineering*, **2011**, 23, 1388-1405	4.2	5
57	A load balancing replica placement strategy in Data Grid **2008**,		5
56	TKAP: Efficiently processing top-k query on massive data by adaptive pruning. *Knowledge and Information Systems*, **2016**, 47, 301-328	2.4	4
55	An efficient pruning strategy for approximate string matching over suffix tree. *Knowledge and Information Systems*, **2016**, 49, 121-141	2.4	4
54	Fast diversified coherent core search on multi-layer graphs. *VLDB Journal*, **2019**, 28, 597-622	3.9	4
53	Approximate multiple count in Wireless Sensor Networks **2014**,		4
52	Novel $varepsilon$ -Approximation to Data Streams in Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2015**, 26, 1654-1667	3.7	4
51	Secure Continuous Aggregation in Wireless Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 762-774	3.7	4
50	Grouping-Enhanced Resilient Probabilistic En-Route Filtering of Injected False Data in WSNs. *IEEE Transactions on Parallel and Distributed Systems*, **2012**, 23, 881-889	3.7	4
49	Privacy-preserving and secure top-k query in two-tier wireless sensor network **2012**,		4
48	Clustered Chain Path Index for XML Document: Efficiently Processing Branch Queries. *World Wide Web*, **2008**, 11, 153-168	2.9	4
47	AutoRepair: an automatic repairing approach over multi-source data. *Knowledge and Information Systems*, **2019**, 61, 227-257	2.4	4
46	Auto-Model: Utilizing Research Papers and HPO Techniques to Deal with the CASH problem **2020**,		3
45	Evaluating entity-description conflict on duplicated data. *Journal of Combinatorial Optimization*, **2016**, 31, 918-941	0.9	3
44	A minimized-rule based approach for improving data currency. *Journal of Combinatorial Optimization*, **2016**, 32, 812-841	0.9	3
43	Approximation to data streams in sensor networks **2013**,		3

42	Spatio-temporal Pattern Query Processing based on Effective Trajectory Splitting Models in Moving Object Database **2006**,		3
41	WSN01-6: Event Query Processing Based on Data-Centric Storage in Wireless Sensor Networks. *IEEE Global Telecommunications Conference (GLOBECOM)*, **2006**,		3
40	Minimized Cost Gateway Deployment in Cyber-Physical Systems. *International Journal of Distributed Sensor Networks*, **2015**, 11, 813656	1.7	3
39	SEPT: an efficient skyline join algorithm on massive data. *Knowledge and Information Systems*, **2015**, 43, 355-388	2.4	2
38	Efficient subgraph join based on connectivity similarity. *World Wide Web*, **2015**, 18, 871-887	2.9	2
37	Efficiently processing deterministic approximate aggregation query on massive data. *Knowledge and Information Systems*, **2018**, 57, 437-473	2.4	2
36	Extend tree edit distance for effective object identification. *Knowledge and Information Systems*, **2016**, 46, 629-656	2.4	2
35	Making Aggregation Scheduling Usable in Wireless Sensor Networks: An Opportunistic Approach **2011**,		2
34	Global weighted fairness guaranteed congestion avoidance protocol for wireless sensor networks **2011**,		2
33	Secure continuous aggregation via sampling-based verification in wireless sensor networks **2011**,		2
32	A ROI-Based Mining Method with Medical Domain Knowledge Guidance **2008**,		2
31	OLAP for XML Data **2005**,		2
30	A music data model and its application		2
29	Efficient aggregation algorithms on very large compressed data warehouses. *Journal of Computer Science and Technology*, **2000**, 15, 213-229	1.7	2
28	Diversification on big data in query processing. *Frontiers of Computer Science*, **2020**, 14, 1	2.2	2
27	Gateway Selection Game in Cyber-Physical Systems. *International Journal of Distributed Sensor Networks*, **2016**, 12, 7190767	1.7	2
26	Ranking the big sky: efficient top-k skyline computation on massive data. *Knowledge and Information Systems*, **2019**, 60, 415-446	2.4	2
25	Fast Rectangle Counting on Massive Networks **2018**,		2

24	Data Inconsistency Evaluation for Cyberphysical System. *International Journal of Distributed Sensor Networks*, **2016**, 12, 9496878	1.7	1
23	Bit-Oriented Sampling for Aggregation on Big Data. *IEEE Transactions on Knowledge and Data Engineering*, **2019**, 1-1	4.2	1
22	Any-Time Methods for Time-Series Prediction with Missing Observations **2017**,		1
21	SimRank on Uncertain Graphs. *IEEE Transactions on Knowledge and Data Engineering*, **2017**, 29, 2522-2536	4.2	1
20	Relative accuracy evaluation. *PLoS ONE*, **2014**, 9, e103853	3.7	1
19	SlidingWindow based Multi-Join Algorithms over Distributed Data Streams **2006**,		1
18	An Efficient Clustering-Based Method for Data Gathering and Compressing in Sensor Networks **2007**,		1
17	A model-free and stable gene selection in microarray data analysis		1
16	Deadline Aware Retransmission Threshold Setting Protocol in Cyber-Physical Systems. *International Journal of Distributed Sensor Networks*, **2015**, 11, 271259	1.7	1
15	A Distributed Framework for Low Latency Data Collection in Battery-free Wireless Sensor Networks. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	1
14	Efficient histogram-based range query estimation for dirty data. *Frontiers of Computer Science*, **2018**, 12, 984-999	2.2	1
13	Efficient Computation of Skyline Queries on Incomplete Dynamic Data. *IEEE Access*, **2018**, 6, 52741-52753	3.5	1
12	Minimized-cost cube query on heterogeneous information networks. *Journal of Combinatorial Optimization*, **2017**, 33, 339-364	0.9	0
11	Towards efficient top-k reliability search on uncertain graphs. *Knowledge and Information Systems*, **2017**, 50, 723-750	2.4	0
10	Efficient trajectory compression and range query processing. *World Wide Web*,1	2.9	0
9	SUM-optimal histograms for approximate query processing. *Knowledge and Information Systems*, **2020**, 62, 3155-3180	2.4	
8	((alpha , tau))-Monitoring for event detection in wireless sensor networks. *Journal of Combinatorial Optimization*, **2016**, 32, 985-1001	0.9	
7	Discovery of MicroDependencies. *IEEE Access*, **2019**, 7, 50198-50213	3.5	

6	Approximation for vertex cover in (beta)-conflict graphs. *Journal of Combinatorial Optimization*, **2017**, 34, 1052-1059	0.9
5	Cluster based parallel database management system for data intensive computing. *Frontiers of Computer Science*, **2009**, 3, 302-314	
4	Durable Subgraph Matching on Temporal Graphs. *IEEE Transactions on Knowledge and Data Engineering*, **2022**, 1-1	4.2
3	TAILOR: time-aware facility location recommendation based on massive trajectories. *Knowledge and Information Systems*, **2020**, 62, 3783-3810	2.4
2	Handling Interservice Time Constraints in Wireless Networks. *International Journal of Distributed Sensor Networks*, **2015**, 11, 280109	1.7
1	Approximated Assignment Algorithms for Unordered and Ordered Tasks in Data Shared MEC Systems. *IEEE Transactions on Mobile Computing*, **2021**, 1-1	4.6