

Siyao Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

851
citations

933447

10
h-index

1281871

11
g-index

20
all docs

20
docs citations

20
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Approximate aggregation for tracking quantiles and range countings in wireless sensor networks. Theoretical Computer Science, 2015, 607, 381-390.	0.9	143
3	Curve Query Processing in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5198-5209.	6.3	127
4	Drawing dominant dataset from big sensory data in wireless sensor networks. , 2015, , .		91
5	Approximate Holistic Aggregation in Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2017, 13, 1-24.	3.6	70
6	Approximate Physical World Reconstruction Algorithms in Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3099-3110.	5.6	62
7	Exploring Connected Dominating Sets in Energy Harvest Networks. IEEE/ACM Transactions on Networking, 2017, 25, 1803-1817.	3.8	40
8	$(\hat{\mu}, \hat{\tau})$ -Approximate Aggregation Algorithms in Dynamic Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 385-396.	5.6	30
9	$O(\epsilon)$ -Approximation to physical world by sensor networks. , 2013, , .		28
10	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
11	Energy-Efficient Algorithm for Multicasting in Duty-Cycled Sensor Networks. Sensors, 2015, 15, 31224-31243.	3.8	21
12	Approximate Sensory Data Collection: A Survey. Sensors, 2017, 17, 564.	3.8	20
13	Task Assignment Algorithms in Data Shared Mobile Edge Computing Systems. , 2019, , .		16
14	Approximate Holistic Aggregation in Wireless Sensor Networks. , 2015, , .		12
15	Target Tracking under Uncertainty in Wireless Sensor Networks. , 2011, , .		9
16	Secure Continuous Aggregation in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 762-774.	5.6	8
17	Secure continuous aggregation via sampling-based verification in wireless sensor networks. , 2011, , .		3
18	Demo Abstract: iCrutch: A Smartphone-based Intelligent Crutch for Smart Home Applications. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Approximated Assignment Algorithms for Unordered and Ordered Tasks in Data Shared MEC Systems. IEEE Transactions on Mobile Computing, 2023, 22, 1968-1987.	5.8	0
20	Transmit or Wait? Efficient Scheduling Algorithms for minimizing latency in Power-Adjustable Wireless Sensor Network. , 2021, , .		0