Wang-Chien Lee

List of Publications by Year
in descending order

76 papers	1,718 citations	394286 19 h-index	395590 33 g-index
76 all docs	76 docs citations	76 times ranked	1268 citing authors

#	Article	IF	Citations
1	Time-critical on-demand data broadcast: algorithms, analysis, and performance evaluation. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 3-14.	4.0	143
2	Prediction-based strategies for energy saving in object tracking sensor networks. , 0, , .		121
3	On socio-spatial group query for location-based social networks. , 2012, , .		91
4	Z-SKY: an efficient skyline query processing framework based on Z-order. VLDB Journal, 2010, 19, 333-362.	2.7	80
5	Performance evaluation of an optimal cache replacement policy for wireless data dissemination. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 125-139.	4.0	77
6	ROAD: A New Spatial Object Search Framework for Road Networks. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 547-560.	4.0	72
7	Mining fastest path from trajectories with multiple destinations in road networks. Knowledge and Information Systems, 2011, 29, 25-53.	2.1	71
8	PGT: Measuring Mobility Relationship Using Personal, Global and Temporal Factors. , 2014, , .		56
9	Geo-social group queries with minimum acquaintance constraints. VLDB Journal, 2017, 26, 709-727.	2.7	56
10	On localized prediction for power e .cient object tracking in sensor networks. , 0, , .		46
11	Personalized Web search with location preferences. , 2010, , .		44
12	Distributed In-Memory Processing of All k Nearest Neighbor Queries. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 925-938.	4.0	44
13	A Comprehensive Study on Social Network Mental Disorders Detection via Online Social Media Mining. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1212-1225.	4.0	41
14	SSW: A Small-World-Based Overlay for Peer-to-Peer Search. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 735-749.	4.0	39
15	A New Storage Scheme for Approximate Location Queries in Object-Tracking Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 262-275.	4.0	37
16	Parallelizing Itinerary-Based KNN Query Processing in Wireless Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 711-729.	4.0	35
17	On social-temporal group query with acquaintance constraint. Proceedings of the VLDB Endowment, 2011, 4, 397-408.	2.1	35
18	On Searching Continuous k Nearest Neighbors in Wireless Data Broadcast Systems. IEEE Transactions on Mobile Computing, 2007, 6, 748-761.	3.9	33

#	Article	IF	Citations
19	Ranked Reverse Nearest Neighbor Search. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 894-910.	4.0	33
20	Authenticating Location-Based Skyline Queries in Arbitrary Subspaces. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1479-1493.	4.0	30
21	Key Formulation Schemes for Spatial Index in Cloud Data Managements. , 2012, , .		29
22	Performance comparison of cache invalidation strategies for Internet-based mobile ad hoc networks. , 0, , .		28
23	Analysis of TTL-Based Consistency in Unstructured Peer-to-Peer Networks. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 1683-1694.	4.0	27
24	Supporting Complex Multi-Dimensional Queries in P2P Systems. , 0, , .		25
25	PMSE: A Personalized Mobile Search Engine. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 820-834.	4.0	25
26	Socio-Spatial Group Queries for Impromptu Activity Planning. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 196-210.	4.0	24
27	Pervasive data access in wireless and mobile computing environments. Wireless Communications and Mobile Computing, 2008, 8, 25-44.	0.8	22
28	Probabilistic Top-k query processing in distributed sensor networks. , 2010, , .		20
29	Distributed Processing of Probabilistic Top-k Queries in Wireless Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 76-91.	4.0	20
30	Rule-Based WiFi Localization Methods. , 2008, , .		19
31	Nearest Surrounder Queries. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 1444-1458.	4.0	18
32	Efficient Cache-Supported Path Planning on Roads. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 951-964.	4.0	18
33	On Mining Moving Patterns for Object Tracking Sensor Networks. , 2006, , .		17
34	A data mining methodology for predicting early stage Parkinson's disease using non-invasive, high-dimensional gait sensor data. IIE Transactions on Healthcare Systems Engineering, 2015, 5, 238-254.	0.8	17
35	Collaborative caching for spatial queries in Mobile P2P Networks. , 2011, , .		15
36	MIDIA: exploring denoising autoencoders for missing data imputation. Data Mining and Knowledge Discovery, 2020, 34, 1859-1897.	2.4	15

#	Article	IF	Citations
37	Tuning On-Air Signatures for Balancing Performance and Confidentiality. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1783-1797.	4.0	13
38	Neighborhood signatures for searching P2P networks. , 0, , .		11
39	Patent Citation Recommendation for Examiners. , 2015, , .		11
40	Order-Sensitive Imputation for Clustered Missing Values. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 166-180.	4.0	11
41	Optimizing Energy-Efficient Query Processing in Wireless Sensor Networks. , 2007, , .		9
42	A Lightweight Multidimensional Index for Complex Queries over DHTs. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 2046-2054.	4.0	9
43	Activity Organization for Friend-Making Optimization in Online Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 122-137.	4.0	9
44	On Representation Learning for Road Networks. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-27.	2.9	9
45	Tracking Nearest Surrounders in Moving Object Environments. , 0, , .		8
46	BTCI: A new framework for identifying congestion cascades using bus trajectory data. , 2017, , .		8
47	Adaptive Lightweight Regularization Tool for Complex Analytics. , 2018, , .		8
48	Personalized Feed Recommendation Service for Social Networks. , 2010, , .		7
49	Workload analysis for scientific literature digital libraries. International Journal on Digital Libraries, 2008, 9, 139-149.	1.1	6
50	Collaborative Spatial Object Recommendation in Location Based Services. , 2010, , .		6
51	It takes two to tango: Exploring social tie development with both online and offline interactions. Statistical Analysis and Data Mining, 2016, 9, 174-187.	1.4	6
52	Adapting <inline-formula> <tex-math notation="LaTeX">$ext{B}^{+}$ </tex-math> </inline-formula>-Tree for Emerging Nonvolatile Memory-Based Main Memory. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2016, 35, 1461-1474.	1.9	6
53	Range-Based Nearest Neighbor Queries with Complex-Shaped Obstacles. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 963-977.	4.0	6
54	On Extracting Socially Tenuous Groups for Online Social Networks with k-Triangles. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	6

#	Article	IF	Citations
55	Improving Data Analytics with Fast and Adaptive Regularization. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 551-568.	4.0	6
56	Energy-efficient and cost-effective web API invocations with transfer size reduction for mobile mashup applications. Wireless Networks, 2014, 20, 361-378.	2.0	5
57	Efficient Time Series Disaggregation for Non-intrusive Appliance Load Monitoring. , 2012, , .		4
58	Trends and behavior of developers in open collaborative software projects. , 2014, , .		4
59	Querying Optimal Routes for Group Meetup. Data Science and Engineering, 2021, 6, 180-191.	4.6	4
60	Supporting K nearest neighbors query on high-dimensional data in P2P systems. Frontiers of Computer Science, 2008, 2, 234-247.	0.6	3
61	Routing and Scheduling of Social Influence Diffusion in Online Social Networks. , 2016, , .		3
62	Location-Aware Wireless Sensor Networks. , 2007, , .		2
63	A Novel System for Extracting Useful Correlation in Smart Home Environment. , 2013, , .		2
64	Querying Distributed Spatial Datasets with Unknown Regions. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2534-2547.	4.0	2
65	Modeling Time Lags in Citation Networks. , 2016, , .		2
66	Detecting outdated POI relations via web–derived features. Transactions in GIS, 2018, 22, 1238-1256.	1.0	2
67	Order-Sensitive Imputation for Clustered Missing Values (Extended Abstract). , 2019, , .		2
68	Guest editorial: special section on data management systems and mobile computing. IEEE Transactions on Computers, 2002, 51, 1121-1123.	2.4	1
69	Data management in location-dependent information services. , 0, , .		1
70	The Design and Evaluation of Task Assignment Algorithms for GWAP-based Geospatial Tagging Systems. Mobile Networks and Applications, 2012, 17, 395-414.	2.2	1
71	Processing Continuous k Nearest Neighbor Queries in Obstructed Space with Voronoi Diagrams. ACM Transactions on Spatial Algorithms and Systems, 2021, 7, 1-27.	1.1	1
72	Rel-CNN: Learning Relationship Features in Time Series for Classification. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 7412-7426.	4.0	1

#	Article	IF	Citations
73	Distributed query processing in flash-based sensor networks. Frontiers of Computer Science, 2008, 2, 248-256.	0.6	0
74	Exploring technological trends for patent evaluation. , 2014, , .		0
75	Efficient Cache-Supported Path Planning on Roads (Extended Abstract). , 2017, , .		0
76	Towards Keyword-based Geo-Social Group Query Services. IEEE Transactions on Services Computing, 2021, , 1-1.	3.2	0