

Xiang Lian

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,051
citations

430874

18
h-index

395702

33
g-index

91
all docs

91
docs citations

91
times ranked

1168
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Processing of Group Planning Queries Over Spatial-Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2135-2147.	5.7	6
2	Maximizing the Utility in Location-Based Mobile Advertising. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 776-788.	5.7	5
3	Fast and Accurate SimRank Computation via Forward Local Push and its Parallelization. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3686-3700.	5.7	3
4	Effective and efficient top-k query processing over incomplete data streams. Information Sciences, 2021, 544, 343-371.	6.9	8
5	A Comparative Study of Consistent Snapshot Algorithms for Main-Memory Database Systems. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 316-330.	5.7	5
6	Top-k Community Similarity Search Over Large Road-Network Graphs. , 2021, , .		2
7	Online Topic-Aware Entity Resolution Over Incomplete Data Streams. , 2021, , .		1
8	Efficient Path Routing Over Road Networks in the Presence of Ad-Hoc Obstacles. Information Systems, 2020, 88, 101453.	3.6	5
9	Cohesive Group Nearest Neighbor Queries on Road-Social Networks under Multi-Criteria. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	5.7	3
10	FROG: A Fast and Reliable Crowdsourcing Framework. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 894-908.	5.7	12
11	Skyline queries over incomplete data streams. VLDB Journal, 2019, 28, 961-985.	4.1	11
12	GCache: Neighborhood-Guided Graph Caching in a Distributed Environment. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2463-2477.	5.6	5
13	Maximizing the Utility in Location-Based Mobile Advertising. , 2019, , .		2
14	Cohesive Group Nearest Neighbor Queries Over Road-Social Networks. , 2019, , .		15
15	Weight-Constrained Route Planning Over Time-Dependent Graphs. , 2019, , .		9
16	Probabilistic Maximum Range-Sum Queries on Spatial Database. , 2019, , .		30
17	Matching Heterogeneous Event Data. IEEE Transactions on Knowledge and Data Engineering, 2018, , 1-1.	5.7	7
18	Probabilistic Time-Constrained Paths Search over Uncertain Road Networks. IEEE Transactions on Services Computing, 2018, 11, 399-414.	4.6	4

#	ARTICLE	IF	CITATIONS
19	Second-order random walk-based proximity measures in graph analysis: formulations and algorithms. VLDB Journal, 2018, 27, 127-152.	4.1	12
20	On Efficiently Detecting Overlapping Communities over Distributed Dynamic Graphs. , 2018, , .		7
21	Efficient SimRank Tracking in Dynamic Graphs. , 2018, , .		18
22	An Efficient Probabilistic Approach for Graph Similarity Search. , 2018, , .		6
23	Uncertain Data Streams. , 2018, , 4302-4307.		0
24	Keyword Search over Distributed Graphs with Compressed Signature. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1212-1225.	5.7	20
25	Prediction-Based Task Assignment in Spatial Crowdsourcing. , 2017, , .		80
26	Efficient Ad-Hoc Graph Inference and Matching in Biological Databases. , 2017, , .		0
27	A Secure and Smart Framework for Monitoring Infants' Safety. , 2017, , .		0
28	Task Assignment on Multi-Skill Oriented Spatial Crowdsourcing. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2201-2215.	5.7	143
29	Quality-Aware Subgraph Matching Over Inconsistent Probabilistic Graph Databases. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1560-1574.	5.7	6
30	Online Subgraph Skyline Analysis over Knowledge Graphs. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1805-1819.	5.7	8
31	RSkNN: kNN Search on Road Networks by Incorporating Social Influence. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1575-1588.	5.7	27
32	Reliable diversity-based spatial crowdsourcing by moving workers. Proceedings of the VLDB Endowment, 2015, 8, 1022-1033.	3.8	127
33	Subgraph Matching with Set Similarity in a Large Graph Database. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 2507-2521.	5.7	20
34	How to Build Templates for RDF Question/Answering. , 2015, , .		39
35	Keyword Search Over Probabilistic RDF Graphs. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 1246-1260.	5.7	17
36	Efficient Graph Similarity Search Over Large Graph Databases. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 964-978.	5.7	57

#	ARTICLE	IF	CITATIONS
37	Trip Planner Over Probabilistic Time-Dependent Road Networks. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2058-2071.	5.7	5
38	Matching heterogeneous event data. , 2014, , .		19
39	Efficient Subgraph Skyline Search Over Large Graphs. , 2014, , .		12
40	SQBC: An efficient subgraph matching method over large and dense graphs. Information Sciences, 2014, 261, 116-131.	6.9	10
41	Efficient processing of probabilistic group subspace skyline queries in uncertain databases. Information Systems, 2013, 38, 265-285.	3.6	17
42	Probabilistic top-k dominating queries in uncertain databases. Information Sciences, 2013, 226, 23-46.	6.9	38
43	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si60.gif" display="inline" overflow="scroll"} \rangle \langle \text{mml:mi} \rangle k \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -nearest keyword search in RDF graphs. Web Semantics, 2013, 22, 40-56.	2.9	8
44	Graph similarity search with edit distance constraint in large graph databases. , 2013, , .		30
45	Causality and responsibility. , 2013, , .		9
46	Subspace Similarity Search under $\{m L\}_p$ -Norm. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 365-382.	5.7	2
47	UTPB: A Benchmark for Scientific Workflow Provenance Storage and Querying Systems. , 2012, , .		2
48	Query Processing over Uncertain Databases. Synthesis Lectures on Data Management, 2012, 4, 1-101.	0.6	5
49	Continuous monitoring of skylines over uncertain data streams. Information Sciences, 2012, 184, 196-214.	6.9	53
50	The World in a Nutshell: Concise Range Queries. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 139-154.	5.7	2
51	Similarity Join Processing on Uncertain Data Streams. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 1718-1734.	5.7	24
52	Efficient query answering in probabilistic RDF graphs. , 2011, , .		32
53	Probabilistic inverse ranking queries in uncertain databases. VLDB Journal, 2011, 20, 107-127.	4.1	16
54	Shooting top-k stars in uncertain databases. VLDB Journal, 2011, 20, 819-840.	4.1	16

#	ARTICLE	IF	CITATIONS
55	Finding the least influenced set in uncertain databases. Information Systems, 2011, 36, 359-385.	3.6	4
56	Managing uncertain spatio-temporal data. , 2011, , .		0
57	Cost-efficient repair in inconsistent probabilistic databases. , 2011, , .		0
58	A generic framework for handling uncertain data with local correlations. Proceedings of the VLDB Endowment, 2010, 4, 12-21.	3.8	11
59	Development of foundation models for Internet of Things. Frontiers of Computer Science, 2010, 4, 376-385.	0.6	23
60	Ranked Query Processing in Uncertain Databases. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 420-436.	5.7	6
61	Consistent query answers in inconsistent probabilistic databases. , 2010, , .		24
62	Set similarity join on probabilistic data. Proceedings of the VLDB Endowment, 2010, 3, 650-659.	3.8	16
63	Reverse skyline search in uncertain databases. ACM Transactions on Database Systems, 2010, 35, 1-49.	2.8	47
64	A Concise Representation of Range Queries. Proceedings - International Conference on Data Engineering, 2009, , .	0.0	3
65	Efficient join processing on uncertain data streams. , 2009, , .		8
66	Multiscale Representations for Fast Pattern Matching in Stream Time Series. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 568-581.	5.7	20
67	Top-k dominating queries in uncertain databases. , 2009, , .		62
68	General Cost Models for Evaluating Dimensionality Reduction in High-Dimensional Spaces. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1447-1460.	5.7	10
69	Efficient Similarity Join over Multiple Stream Time Series. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1544-1558.	5.7	5
70	Efficient Processing of Metric Skyline Queries. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 351-365.	5.7	29
71	Efficient processing of probabilistic reverse nearest neighbor queries over uncertain data. VLDB Journal, 2009, 18, 787-808.	4.1	76
72	Probabilistic Inverse Ranking Queries over Uncertain Data. Lecture Notes in Computer Science, 2009, , 35-50.	1.3	21

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73	Efficient Similarity Search in Nonmetric Spaces with Local Constant Embedding. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 321-336.	5.7	18
74	Efficient Similarity Search over Future Stream Time Series. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 40-54.	5.7	24
75	Similarity Search in Arbitrary Subspaces Under L_{∞} -Norm. , 2008, , .		18
76	Probabilistic Group Nearest Neighbor Queries in Uncertain Databases. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 809-824.	5.7	60
77	Pattern Matching over Cloaked Time Series. , 2008, , .		17
78	Monochromatic and bichromatic reverse skyline search over uncertain databases. , 2008, , .		151
79	Dynamic skyline queries in metric spaces. , 2008, , .		52
80	Probabilistic ranked queries in uncertain databases. , 2008, , .		67
81	Random Sampling for Continuous Streams with Arbitrary Updates. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 96-110.	5.7	10
82	A General Cost Model for Dimensionality Reduction in High Dimensional Spaces. , 2007, , .		3
83	Similarity Match Over High Speed Time-Series Streams. , 2007, , .		28
84	Multidimensional reverse kNN search. VLDB Journal, 2007, 16, 293-316.	4.1	70
85	Approximate Similarity Search over Multiple Stream Time Series. Lecture Notes in Computer Science, 2007, , 962-968.	1.3	5
86	kReverse NN Search in Arbitrary Dimensionality. , 2004, , 744-755.		110
87	kReverse NN Search in Arbitrary Dimensionality. , 2004, , 744-755.		30
88	Efficient Methods on Predictions for Similarity Search over Stream Time Series. , 0, , .		0