Chuan Xiao

List of Publications by Year
in descending order

51 papers	1,442 citations	759233 12 h-index	454955 30 g-index
51 all docs	51 docs citations	51 times ranked	678 citing authors

#	ARTICLE	IF	CITATIONS
1	High-Dimensional Similarity Query Processing for Data Science. , 2021, , .		5
2	Efficient query autocompletion with edit distance-based error tolerance. VLDB Journal, 2020, 29, 919-943.	4.1	4
3	Monotonic Cardinality Estimation of Similarity Selection: A Deep Learning Approach. , 2020, , .		12
4	Fast subtrajectory similarity search in road networks under weighted edit distance constraints. Proceedings of the VLDB Endowment, 2020, 13, 2188-2201.	3.8	12
5	Similarity query processing for high-dimensional data. Proceedings of the VLDB Endowment, 2020, 13, 3437-3440.	3.8	6
6	Dynamic Set kNN Self-Join. , 2019, , .		13
7	Autocompletion for Prefix-Abbreviated Input. , 2019, , .		2
8	Scope-aware Code Completion with Discriminative Modeling. Journal of Information Processing, 2019, 27, 469-478.	0.4	2
9	Generalizing the Pigeonhole Principle for Similarity Search in Hamming Space. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	5.7	10
10	Efficient structure similarity searches: a partition-based approach. VLDB Journal, 2018, 27, 53-78.	4.1	38
11	CiNCT: Compression and Retrieval for Massive Vehicular Trajectories via Relative Movement Labeling. , 2018, , .		11
12	GPH: Similarity Search in Hamming Space. , 2018, , .		11
13	An Efficient Algorithm for Location-Aware Query Autocompletion. IEICE Transactions on Information and Systems, 2018, E101.D, 181-192.	0.7	10
14	Histogram Construction for Difference Analysis of Spatio-Temporal Data on Array DBMS. Lecture Notes in Computer Science, 2018, , 41-52.	1.3	1
15	Enhanced Indexing and Querying of Trajectories in Road Networks via String Algorithms. ACM Transactions on Spatial Algorithms and Systems, 2018, 4, 1-41.	1.4	5
16	Pigeonring. Proceedings of the VLDB Endowment, 2018, 12, 28-42.	3.8	17
17	A Framework for Presentation Slide Design Support. , 2017, , .		0
18	Top-k Similarity Search over Gaussian Distributions Based on KL-Divergence. Journal of Information Processing, 2016, 24, 152-163.	0.4	1

#	Article	IF	Citations
19	Local Similarity Search for Unstructured Text. , 2016, , .		13
20	Frequent Subgraph Mining Based on Pregel. Computer Journal, 2016, 59, 1113-1128.	2.4	13
21	BEVA. ACM Transactions on Database Systems, 2016, 41, 1-44.	2.8	3
22	Content-Based Element Search for Presentation Slide Reuse. IEICE Transactions on Information and Systems, 2014, E97.D, 2685-2696.	0.7	3
23	Efficient and Scalable Graph Similarity Joins in MapReduce. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	3
24	Practising Scalable Graph Similarity Joins in MapReduce. , 2014, , .		2
25	Probabilistic Range Querying over Gaussian Objects. IEICE Transactions on Information and Systems, 2014, E97.D, 694-704.	0.7	1
26	Improving Performance of Graph Similarity Joins Using Selected Substructures. Lecture Notes in Computer Science, 2014, , 156-172.	1.3	4
27	Efficient processing of graph similarity queries with edit distance constraints. VLDB Journal, 2013, 22, 727-752.	4.1	44
28	Trie-based similarity search and join. , 2013, , .		3
29	Asymmetric signature schemes for efficient exact edit similarity query processing. ACM Transactions on Database Systems, 2013, 38, 1-44.	2.8	13
30	Efficient error-tolerant query autocompletion. Proceedings of the VLDB Endowment, 2013, 6, 373-384.	3.8	31
31	VChunkJoin: An Efficient Algorithm for Edit Similarity Joins. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1916-1929.	5.7	35
32	A partition-based approach to structure similarity search. Proceedings of the VLDB Endowment, 2013, 7, 169-180.	3.8	33
33	Processing Probabilistic Range Queries over Gaussian-Based Uncertain Data. Lecture Notes in Computer Science, 2013, , 410-428.	1.3	3
34	Efficient Graph Similarity Joins with Edit Distance Constraints. , 2012, , .		42
35	Combination Skyline Queries. Lecture Notes in Computer Science, 2012, , 1-30.	1.3	5
36	A Space-Efficient Indexing Algorithm for Boolean Query Processing. Lecture Notes in Computer Science, 2012, , 638-644.	1.3	0

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37	Efficient Subgraph Similarity All-Matching. Lecture Notes in Computer Science, 2012, , 455-469.	1.3	0
38	Efficient similarity joins for near-duplicate detection. ACM Transactions on Database Systems, 2011, 36, 1-41.	2.8	230
39	Finding the Sites with Best Accessibilities to Amenities. Lecture Notes in Computer Science, 2011, , 58-72.	1.3	5
40	Efficient exact edit similarity query processing with the asymmetric signature scheme. , 2011, , .		71
41	Efficient approximate entity extraction with edit distance constraints. , 2009, , .		83
42	Top-k Set Similarity Joins. Proceedings - International Conference on Data Engineering, 2009, , .	0.0	131
43	Ed-Join. Proceedings of the VLDB Endowment, 2008, 1, 933-944.	3.8	183
44	Efficient similarity joins for near duplicate detection. , 2008, , .		294
45	Load Shedding for Window Joins over Streams. Journal of Computer Science and Technology, 2007, 22, 182-189.	1.5	3
46	Efficient Query Processing for Streamed XML Fragments. Lecture Notes in Computer Science, 2006, , 468-482.	1.3	16
47	Load Shedding for Window Joins over Streams. Lecture Notes in Computer Science, 2006, , 472-483.	1.3	7
48	Document Fragmentation for XML Streams Based on Query Statistics. Lecture Notes in Computer Science, 2006, , 350-356.	1.3	1
49	Buffer-Preposed QoS Adaptation Framework and Load Shedding Techniques over Streams. Lecture Notes in Computer Science, 2006, , 234-246.	1.3	3
50	Efficient Evaluation of Multiple Queries on Streamed XML Fragments. Lecture Notes in Computer Science, 2006, , 61-72.	1.3	1
51	Region-Based Coding for Queries over Streamed XML Fragments. Lecture Notes in Computer Science, 2006, , 487-498.	1.3	3