Nikolaus Augsten

List of Publications by Year
in descending order

31 papers	**757** citations	933447 **10** h-index	839539 **18** g-index
31 all docs	**31** docs citations	**31** times ranked	**537** citing authors

#	Article	IF	Citations
1	RTED. Proceedings of the VLDB Endowment, 2011, 5, 334-345.	3.8	127
2	Tree edit distance: Robust and memory-efficient. Information Systems, 2016, 56, 157-173.	3.6	105
3	Load Balancing in MapReduce Based on Scalable Cardinality Estimates. , 2012, , .		88
4	An empirical evaluation of set similarity join techniques. Proceedings of the VLDB Endowment, 2016, 9, 636-647.	3.8	76
5	Efficient Computation of the Tree Edit Distance. ACM Transactions on Database Systems, 2015, 40, 1-40.	2.8	75
6	The pq -gram distance between ordered labeled trees. ACM Transactions on Database Systems, 2010, 35, 1-36.	2.8	56
7	Set similarity joins on mapreduce. Proceedings of the VLDB Endowment, 2018, 11, 1110-1122.	3.8	33
8	Approximate Joins for Data-Centric XML. , 2008, , .		30
9	TASM: Top-k Approximate Subtree Matching. , 2010, , .		22
10	DeSignate: detecting signature characters in gene sequence alignments for taxon diagnoses. BMC Bioinformatics, 2020, 21, 151.	2.6	17
11	Efficient Top-k Approximate Subtree Matching in Small Memory. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 1123-1137.	5.7	13
12	Windowed pq-grams for approximate joins of data-centric XML. VLDB Journal, 2012, 21, 463-488.	4.1	13
13	Measuring structural similarity of semistructured data based on information-theoretic approaches. VLDB Journal, 2012, 21, 677-702.	4.1	12
14	Similarity Joins in Relational Database Systems. Synthesis Lectures on Data Management, 2013, 5, 1-124.	0.6	12
15	A Link is not Enough â€" Reproducibility of Data. Datenbank-Spektrum, 2019, 19, 107-115.	1.3	12
16	RWS-Diff. , 2013, , .		11
17	A Relational Matrix Algebra and its Implementation in a Column Store. , 2020, , .		10
18	A New Perspective on the Tree Edit Distance. Lecture Notes in Computer Science, 2017, , 156-170.	1.3	9

#	Article	IF	Citations
19	A Scalable Index for Top-k Subtree Similarity Queries. , 2019, , .		5
20	Reducing the Integration of Public Administration Databases to Approximate Tree Matching. Lecture Notes in Computer Science, 2004, , 102-107.	1.3	5
21	On-the-fly token similarity joins in relational databases. , 2014, , .		4
22	Minimal Edit-Based Diffs for Large Trees. , 2020, , .		4
23	Clustering with Proximity Graphs. International Journal of Knowledge-Based Organizations, 2013, 3, 84-104.	0.4	3
24	A Memory-Efficient Tree Edit Distance Algorithm. Lecture Notes in Computer Science, 2014, , 196-210.	1.3	3
25	Effective Filters and Linear Time Verification for Tree Similarity Joins. , 2019, , .		3
26	JEDI: These aren't the JSON documents you're looking for.... , 2022, , .		3
27	Recommending OSM Tags To Improve Metadata Quality. , 2017, , .		2
28	Speeding Up Reachability Queries in Public Transport Networks Using Graph Partitioning. Information Systems Frontiers, 2022, 24, 11-29.	6.4	2
29	The address connector: noninvasive synchronization of hierarchical data sources. Knowledge and Information Systems, 2013, 37, 639-663.	3.2	1
30	Preserving Contextual Information in Relational Matrix Operations. , 2020, , .		1
31	PG-Join: Proximity Graph Based String Similarity Joins. Lecture Notes in Computer Science, 2011, , 274-292.	1.3	0