Dennis Shasha

List of Publications by Year
in descending order

23 papers	2,634 citations	471509 17 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	2068 citing authors

#	Article	IF	Citations
1	BugDoc. VLDB Journal, 2023, 32, 75-101.	4.1	2
2	Debugging Machine Learning Pipelines. , 2019, , .		12
3	Network Walking charts transcriptional dynamics of nitrogen signaling by integrating validated and predicted genome-wide interactions. Nature Communications, 2019, 10, 1569.	12.8	92
4	The 4th Dimension of Transcriptional Networks: TIME. FASEB Journal, 2019, 33, 343.1.	0.5	0
5	Temporal transcriptional logic of dynamic regulatory networks underlying nitrogen signaling and use in plants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6494-6499.	7.1	150
6	Gene regulatory networks in plants: learning causality from time and perturbation. Genome Biology, 2013, 14, 123.	8.8	115
7	Nitrogen economics of root foraging: Transitive closure of the nitrate–cytokinin relay and distinct systemic signaling for N supply vs. demand. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18524-18529.	7.1	333
8	Products of mixed covering arrays of strength two. Journal of Combinatorial Designs, 2006, 14, 124-138.	0.6	97
9	Finding approximate patterns in undirected acyclic graphs. Pattern Recognition, 2002, 35, 473-483.	8.1	21
10	An Index Structure for Data Mining and Clustering. Knowledge and Information Systems, 2000, 2, 161-184.	3.2	46
11	New Techniques for DNA Sequence Classification. Journal of Computational Biology, 1999, 6, 209-218.	1.6	37
12	Structural matching and discovery in document databases. , 1997, , .		18
13	Structural matching and discovery in document databases. SIGMOD Record, 1997, 26, 560-563.	1.2	2
14	On the editing distance between undirected acyclic graphs and related problems. Lecture Notes in Computer Science, 1995, , 395-407.	1.3	33
15	$ext{D}^{extit{over}}$: An Optimal On-Line Scheduling Algorithm for Overloaded Uniprocessor Real-Time Systems. SIAM Journal on Computing, 1995, 24, 318-339.	1.0	139
16	MOCA: a multiprocessor on-line competitive algorithm for real-time system scheduling. Theoretical Computer Science, 1994, 128, 75-97.	0.9	55
17	Discovering active motifs in sets of related protein sequences and using them for classification. Nucleic Acids Research, 1994, 22, 2769-2775.	14.5	45
18	Combinatorial pattern discovery for scientific data. SIGMOD Record, 1994, 23, 115-125.	1.2	43

#	Article	IF	Citations
19	On the editing distance between unordered labeled trees. Information Processing Letters, 1992, 42, 133-139.	0.6	257
20	Fast serial and parallel algorithms for approximate tree matching with VLDC's (Extended Abstract). Lecture Notes in Computer Science, 1992, , 151-161.	1.3	8
21	Fast algorithms for the unit cost editing distance between trees. Journal of Algorithms, 1990, 11, 581-621.	0.9	89
22	New techniques for best-match retrieval. ACM Transactions on Information Systems, 1990, 8, 140-158.	4.9	84
23	Simple Fast Algorithms for the Editing Distance between Trees and Related Problems. SIAM Journal on Computing, 1989, 18, 1245-1262.	1.0	956