

Sampath Kannan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,229
citations

759233

12
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

803
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing programs that check their work. Journal of the ACM, 1995, 42, 269-291.	2.2	271
2	On graph problems in a semi-streaming model. Theoretical Computer Science, 2005, 348, 207-216.	0.9	218
3	Java-MaC: A Run-Time Assurance Approach for Java Programs. Formal Methods in System Design, 2004, 24, 129-155.	0.8	169
4	Spot-Checkers. Journal of Computer and System Sciences, 2000, 60, 717-751.	1.2	113
5	An Approximate L1 -Difference Algorithm for Massive Data Streams. SIAM Journal on Computing, 2002, 32, 131-151.	1.0	79
6	DASHR: database of small human noncoding RNAs. Nucleic Acids Research, 2016, 44, D216-D222.	14.5	74
7	Graph Distances in the Data-Stream Model. SIAM Journal on Computing, 2009, 38, 1709-1727.	1.0	71
8	The Exponential Mechanism for Social Welfare: Private, Truthful, and Nearly Optimal. , 2012, , .		68
9	On Graph Problems in a Semi-streaming Model. Lecture Notes in Computer Science, 2004, , 531-543.	1.3	35
10	Computing Diameter in the Streaming and Sliding-Window Models. Algorithmica, 2005, 41, 25-41.	1.3	34
11	Finding Optimal 1-Endpoint-Crossing Trees. Transactions of the Association for Computational Linguistics, 2013, 1, 13-24.	4.8	30
12	Efficient algorithms for inverting evolution. Journal of the ACM, 1999, 46, 437-449.	2.2	17
13	Better Alternatives to OSPF Routing. Algorithmica, 2005, 43, 113-131.	1.3	14
14	Correction to "producing good code for the case statement". Software - Practice and Experience, 1994, 24, 233-233.	3.6	8
15	Algorithms for the Generalized Sorting Problem. , 2011, , .		8
16	AS-CRED: Reputation and Alert Service for Interdomain Routing. IEEE Systems Journal, 2013, 7, 396-409.	4.6	8
17	Genome Identification and Classification by Short Oligo Arrays. Lecture Notes in Computer Science, 2004, , 400-411.	1.3	4
18	Checking and Spot-Checking the Correctness of Priority Queues. Lecture Notes in Computer Science, 2007, , 728-739.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Efficient Enumeration of Phylogenetically Informative Substrings. Journal of Computational Biology, 2007, 14, 701-723.	1.6	2
20	A formal framework for evaluating heuristic programs. Annals of Mathematics and Artificial Intelligence, 1998, 22, 193-206.	1.3	1
21	Efficient Enumeration of Phylogenetically Informative Substrings. Lecture Notes in Computer Science, 2006, , 248-264.	1.3	1
22	Detecting Character Dependencies in Stochastic Models of Evolution. Journal of Computational Biology, 2016, 23, 180-191.	1.6	0
23	HiPR: High-throughput probabilistic RNA structure inference. Computational and Structural Biotechnology Journal, 2020, 18, 1539-1547.	4.1	0