

Jesper Jansson

List of Publications by Year in descending order

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96
papers

980
citations

471509

17
h-index

501196

28
g-index

102
all docs

102
docs citations

102
times ranked

454
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithms for Combining Rooted Triplets into a Galled Phylogenetic Network. SIAM Journal on Computing, 2006, 35, 1098-1121.	1.0	88
2	Computing the maximum agreement of phylogenetic networks. Theoretical Computer Science, 2005, 335, 93-107.	0.9	66
3	Inferring a level-1 phylogenetic network from a dense set of rooted triplets. Theoretical Computer Science, 2006, 363, 60-68.	0.9	60
4	On the Complexity of Constructing Evolutionary Trees. Journal of Combinatorial Optimization, 1999, 3, 183-197.	1.3	47
5	Ultra-succinct representation of ordered trees with applications. Journal of Computer and System Sciences, 2012, 78, 619-631.	1.2	44
6	Rooted Maximum Agreement Supertrees. Algorithmica, 2005, 43, 293-307.	1.3	43
7	New results on optimizing rooted triplets consistency. Discrete Applied Mathematics, 2010, 158, 1136-1147.	0.9	43
8	Fast relative Lempel-Ziv self-index for similar sequences. Theoretical Computer Science, 2014, 532, 14-30.	0.9	34
9	INFERRING PHYLOGENETIC RELATIONSHIPS AVOIDING FORBIDDEN ROOTED TRIPLETS. Journal of Bioinformatics and Computational Biology, 2006, 04, 59-74.	0.8	27
10	Approximation algorithms for the graph orientation minimizing the maximum weighted outdegree. Journal of Combinatorial Optimization, 2011, 22, 78-96.	1.3	27
11	Algorithms for Combining Rooted Triplets into a Galled Phylogenetic Network. , 2016, , 48-52.		27
12	Flexible taxonomic assignment of ambiguous sequencing reads. BMC Bioinformatics, 2011, 12, 8.	2.6	26
13	Linked Dynamic Tries with Applications to LZ-Compression in Sublinear Time and Space. Algorithmica, 2015, 71, 969-988.	1.3	24
14	ON THE APPROXIMABILITY OF MAXIMUM AND MINIMUM EDGE CLIQUE PARTITION PROBLEMS. International Journal of Foundations of Computer Science, 2007, 18, 217-226.	1.1	21
15	Approximation algorithms for Hamming clustering problems. Journal of Discrete Algorithms, 2004, 2, 289-301.	0.7	19
16	RECONSTRUCTING AN ULTRAMETRIC GALLED PHYLOGENETIC NETWORK FROM A DISTANCE MATRIX. Journal of Bioinformatics and Computational Biology, 2006, 04, 807-832.	0.8	19
17	Inferring a graph from path frequency. Discrete Applied Mathematics, 2012, 160, 1416-1428.	0.9	19
18	On the Complexity of Inferring Rooted Evolutionary Trees. Electronic Notes in Discrete Mathematics, 2001, 7, 50-53.	0.4	18

#	ARTICLE	IF	CITATIONS
19	Finding Short Right-Hand-on-the-Wall Walks in Graphs. Lecture Notes in Computer Science, 2005, , 127-139.	1.3	17
20	The Complexity of Inferring a Minimally Resolved Phylogenetic Supertree. SIAM Journal on Computing, 2012, 41, 272-291.	1.0	16
21	Improved Algorithms for Constructing Consensus Trees. Journal of the ACM, 2016, 63, 1-24.	2.2	16
22	CRAM: Compressed Random Access Memory. Lecture Notes in Computer Science, 2012, , 510-521.	1.3	15
23	ACCURATE TAXONOMIC ASSIGNMENT OF SHORT PYROSEQUENCING READS. , 2009, , 3-9.		13
24	Polynomial-Time Algorithms for Building a Consensus MUL-Tree. Journal of Computational Biology, 2012, 19, 1073-1088.	1.6	13
25	Determining the minimum number of protein-protein interactions required to support known protein complexes. PLoS ONE, 2018, 13, e0195545.	2.5	13
26	Inferring a Level-1 Phylogenetic Network from a Dense Set of Rooted Triplets. Lecture Notes in Computer Science, 2004, , 462-471.	1.3	13
27	GRAPH ORIENTATION TO MAXIMIZE THE MINIMUM WEIGHTED OUTDEGREE. International Journal of Foundations of Computer Science, 2011, 22, 583-601.	1.1	11
28	More efficient periodic traversal in anonymous undirected graphs. Theoretical Computer Science, 2012, 444, 60-76.	0.9	11
29	Computing the rooted triplet distance between galled trees by counting triangles. Journal of Discrete Algorithms, 2014, 25, 66-78.	0.7	11
30	Linear-time protein 3-D structure searching with insertions and deletions. Algorithms for Molecular Biology, 2010, 5, 7.	1.2	9
31	Computing a Smallest Multilabeled Phylogenetic Tree from Rooted Triplets. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 1141-1147.	3.0	9
32	Fast Relative Lempel-Ziv Self-index for Similar Sequences. Lecture Notes in Computer Science, 2012, , 291-302.	1.3	9
33	Computing the Maximum Agreement of Phylogenetic Networks. Electronic Notes in Theoretical Computer Science, 2004, 91, 134-147.	0.9	8
34	Local Gapped Subforest Alignment and Its Application in Finding RNA Structural Motifs. Journal of Computational Biology, 2006, 13, 702-718.	1.6	8
35	Degree-Constrained Graph Orientation: Maximum Satisfaction and Minimum Violation. Theory of Computing Systems, 2016, 58, 60-93.	1.1	8
36	3D Rectangulations and Geometric Matrix Multiplication. Algorithmica, 2018, 80, 136-154.	1.3	8

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37	A Faster and More Space-Efficient Algorithm for Inferring Arc-Annotations of RNA Sequences through Alignment. <i>Algorithmica</i> , 2006, 46, 223-245.	1.3	7
38	Constructing the R* Consensus Tree of Two Trees in Subcubic Time. <i>Algorithmica</i> , 2013, 66, 329-345.	1.3	7
39	A More Practical Algorithm for the Rooted Triplet Distance. <i>Journal of Computational Biology</i> , 2017, 24, 106-126.	1.6	7
40	Graph Orientations Optimizing the Number of Light or Heavy Vertices. <i>Journal of Graph Algorithms and Applications</i> , 2015, 19, 441-465.	0.4	6
41	Better Link Prediction for Protein-Protein Interaction Networks. , 2020, , .		6
42	ONLINE AND DYNAMIC RECOGNITION OF SQUAREFREE STRINGS. <i>International Journal of Foundations of Computer Science</i> , 2007, 18, 401-414.	1.1	4
43	Improved Algorithms for Constructing Consensus Trees. , 2013, , .		4
44	On finding the Adams consensus tree. <i>Information and Computation</i> , 2017, 256, 334-347.	0.7	4
45	Algorithms for the Majority Rule (+) Consensus Tree and the Frequency Difference Consensus Tree. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 15-26.	3.0	4
46	Algorithms for Finding a Most Similar Subforest. <i>Lecture Notes in Computer Science</i> , 2006, , 377-388.	1.3	4
47	Local Gapped Subforest Alignment and Its Application in Finding RNA Structural Motifs. <i>Lecture Notes in Computer Science</i> , 2004, , 569-580.	1.3	4
48	New Results on Optimizing Rooted Triplets Consistency. <i>Lecture Notes in Computer Science</i> , 2008, , 484-495.	1.3	4
49	More Efficient Periodic Traversal in Anonymous Undirected Graphs. <i>Lecture Notes in Computer Science</i> , 2010, , 167-181.	1.3	4
50	Determining the Consistency of Resolved Triplets and Fan Triplets. <i>Lecture Notes in Computer Science</i> , 2017, , 82-98.	1.3	4
51	Faster computation of the Robinson-Foulds distance between phylogenetic networks. <i>Information Sciences</i> , 2012, 197, 77-90.	6.9	3
52	Exact algorithms for the repetition-bounded longest common subsequence problem. <i>Theoretical Computer Science</i> , 2020, 838, 238-249.	0.9	3
53	New and improved algorithms for unordered tree inclusion. <i>Theoretical Computer Science</i> , 2021, 883, 83-98.	0.9	3
54	Faster Computation of the Robinson-Foulds Distance between Phylogenetic Networks. <i>Lecture Notes in Computer Science</i> , 2010, , 190-201.	1.3	3

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55	Semi-Balanced Colorings of Graphs: Generalized 2-Colorings Based on a Relaxed Discrepancy Condition. <i>Graphs and Combinatorics</i> , 2004, 20, 205-222.	0.4	2
56	Algorithms for Finding a Most Similar Subforest. <i>Theory of Computing Systems</i> , 2011, 48, 865-887.	1.1	2
57	APPROXIMATION ALGORITHMS FOR BUY-AT-BULK GEOMETRIC NETWORK DESIGN. <i>International Journal of Foundations of Computer Science</i> , 2011, 22, 1949-1969.	1.1	2
58	Graph Orientation with Splits. <i>Lecture Notes in Computer Science</i> , 2018, , 52-63.	1.3	2
59	Computing the Rooted Triplet Distance Between Phylogenetic Networks. <i>Lecture Notes in Computer Science</i> , 2019, , 290-303.	1.3	2
60	The approximability of maximum rooted triplets consistency with fan triplets and forbidden triplets. <i>Discrete Applied Mathematics</i> , 2019, 257, 101-114.	0.9	2
61	Faster Algorithms for Computing the \hat{R}^* Consensus Tree. <i>Lecture Notes in Computer Science</i> , 2014, , 414-425.	1.3	2
62	A More Practical Algorithm for the Rooted Triplet Distance. <i>Lecture Notes in Computer Science</i> , 2015, , 109-125.	1.3	2
63	Asymptotic Limits of a New Type of Maximization Recurrence with an Application to Bioinformatics. <i>Lecture Notes in Computer Science</i> , 2012, , 177-188.	1.3	2
64	Graph Orientations Optimizing the Number of Light or Heavy Vertices. <i>Lecture Notes in Computer Science</i> , 2012, , 332-343.	1.3	2
65	The Approximability of Maximum Rooted Triplets Consistency with Fan Triplets and Forbidden Triplets. <i>Lecture Notes in Computer Science</i> , 2015, , 272-283.	1.3	2
66	Polynomial-Time Algorithms for the Ordered Maximum Agreement Subtree Problem. <i>Algorithmica</i> , 2007, 48, 233-248.	1.3	1
67	Special Issue on Graph Algorithms. <i>Algorithms</i> , 2013, 6, 457-458.	2.1	1
68	Similar Subtree Search Using Extended Tree Inclusion. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015, 27, 3360-3373.	5.7	1
69	Determining the Consistency of Resolved Triplets and Fan Triplets. <i>Journal of Computational Biology</i> , 2018, 25, 740-754.	1.6	1
70	An Efficient Algorithm for the Rooted Triplet Distance Between Galled Trees. <i>Journal of Computational Biology</i> , 2019, 26, 893-907.	1.6	1
71	An Efficient Algorithm for the Rooted Triplet Distance Between Galled Trees. <i>Lecture Notes in Computer Science</i> , 2017, , 115-126.	1.3	1
72	Linear-Time Protein 3-D Structure Searching with Insertions and Deletions. <i>Lecture Notes in Computer Science</i> , 2009, , 310-320.	1.3	1

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73	An Optimal Algorithm for Building the Majority Rule Consensus Tree. Lecture Notes in Computer Science, 2013, , 88-99.	1.3	1
74	Computing a Smallest Multi-labeled Phylogenetic Tree from Rooted Triplets. Lecture Notes in Computer Science, 2009, , 1205-1214.	1.3	1
75	Approximation Algorithms for Buy-at-Bulk Geometric Network Design. Lecture Notes in Computer Science, 2009, , 168-180.	1.3	1
76	The Complexity of Inferring a Minimally Resolved Phylogenetic Supertree. Lecture Notes in Computer Science, 2010, , 262-273.	1.3	1
77	Minimal Phylogenetic Supertrees and Local Consensus Trees. AIMS Medical Science, 2018, 5, 181-203.	0.4	1
78	Upper and Lower Degree-Constrained Graph Orientation with Minimum Penalty. Theoretical Computer Science, 2021, 900, 53-53.	0.9	1
79	Algorithms for the Majority Rule (+) Consensus Tree and the Frequency Difference Consensus Tree. Lecture Notes in Computer Science, 2013, , 141-155.	1.3	0
80	Similar subtree search using extended tree inclusion. , 2016, , .		0
81	Faster Algorithms for Computing the R* Consensus Tree. Algorithmica, 2016, 76, 1224-1244.	1.3	0
82	On the parameterized complexity of associative and commutative unification. Theoretical Computer Science, 2017, 660, 57-74.	0.9	0
83	Editorial: Special Issue on Efficient Data Structures. Algorithms, 2019, 12, 136.	2.1	0
84	Pushing the Online Matrix-Vector Conjecture Off-Line and Identifying Its Easy Cases. Lecture Notes in Computer Science, 2019, , 156-169.	1.3	0
85	Graph orientation with splits. Theoretical Computer Science, 2020, 844, 16-25.	0.9	0
86	Online and Approximate Network Construction from Bounded Connectivity Constraints. Lecture Notes in Computer Science, 2021, , 314-325.	1.3	0
87	Graph Orientation with Edge Modifications. International Journal of Foundations of Computer Science, 2021, 32, 209-233.	1.1	0
88	Computing the Rooted Triplet Distance Between Phylogenetic Networks. Algorithmica, 2021, 83, 1786-1828.	1.3	0
89	Pushing the Online Boolean Matrix-vector Multiplication conjecture off-line and identifying its easy cases. Journal of Computer and System Sciences, 2021, 118, 108-118.	1.2	0
90	Algorithms for Building Consensus MUL-trees. Lecture Notes in Computer Science, 2011, , 744-753.	1.3	0

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91	Computing the Rooted Triplet Distance between Galled Trees by Counting Triangles. Lecture Notes in Computer Science, 2012, , 385-398.	1.3	0
92	Maximum Agreement Supertree. , 2015, , 1-5.		0
93	Algorithms for Combining Rooted Triplets into a Galled Phylogenetic Network. , 2015, , 1-6.		0
94	Maximum Agreement Supertree. , 2016, , 1224-1227.		0
95	Graph Orientation with Edge Modifications. Lecture Notes in Computer Science, 2019, , 38-50.	1.3	0
96	Exact Algorithms for the Bounded Repetition Longest Common Subsequence Problem. Lecture Notes in Computer Science, 2019, , 1-12.	1.3	0