

Veli MÄäkinen

List of Publications by Year in descending order

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36
papers

1,949
citations

687363

13
h-index

454955

30
g-index

40
all docs

40
docs citations

40
times ranked

956
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear Time Construction of Indexable Elastic Founder Graphs. Lecture Notes in Computer Science, 2022, , 480-493.	1.3	2
2	Founder reconstruction enables scalable and seamless pangenomic analysis. Bioinformatics, 2021, 37, 4611-4619.	4.1	7
3	Distributed hybrid-indexing of compressed pan-genomes for scalable and fast sequence alignment. PLoS ONE, 2021, 16, e0255260.	2.5	1
4	Tailoring r-index for Document Listing Towards Metagenomics Applications. Lecture Notes in Computer Science, 2020, , 291-306.	1.3	0
5	Linear time minimum segmentation enables scalable founder reconstruction. Algorithms for Molecular Biology, 2019, 14, 12.	1.2	9
6	Applying the Positional Burrows-Wheeler Transform to all-pairs Hamming distance. Information Processing Letters, 2019, 146, 17-19.	0.6	7
7	Linear Time Maximum Segmentation Problems in Column Stream Model. Lecture Notes in Computer Science, 2019, , 322-336.	1.3	4
8	Evaluating approaches to find exon chains based on long reads. Briefings in Bioinformatics, 2018, 19, bbw137.	6.5	11
9	Using Minimum Path Cover to Boost Dynamic Programming on DAGs: Co-linear Chaining Extended. Lecture Notes in Computer Science, 2018, , 105-121.	1.3	13
10	Bidirectional Variable-Order de Bruijn Graphs. International Journal of Foundations of Computer Science, 2018, 29, 1279-1295.	1.1	8
11	Towards pan-genome read alignment to improve variation calling. BMC Genomics, 2018, 19, 87.	2.8	29
12	Variant genotyping with gap filling. PLoS ONE, 2017, 12, e0184608.	2.5	2
13	Gap Filling as Exact Path Length Problem. Journal of Computational Biology, 2016, 23, 347-361.	1.6	17
14	On using Longer RNA-seq Reads to Improve Transcript Prediction Accuracy. , 2016, , .		6
15	Fast in-memory XPath search using compressed indexes. Software - Practice and Experience, 2015, 45, 399-434.	3.6	15
16	Indexing Graphs for Path Queries with Applications in Genome Research. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 375-388.	3.0	237
17	Multi-pattern matching with bidirectional indexes Preliminary version of this article appeared in COCOON 2012 [12].. Journal of Discrete Algorithms, 2014, 24, 26-39.	0.7	2
18	On the complexity of Minimum Path Cover with Subpath Constraints for multi-assembly. BMC Bioinformatics, 2014, 15, S5.	2.6	23

#	ARTICLE	IF	CITATIONS
19	Indexing Finite Language Representation of Population Genotypes. Lecture Notes in Computer Science, 2011, , 270-281.	1.3	14
20	Filtering methods for content-based retrieval on indexed symbolic music databases. Information Retrieval, 2010, 13, 1-21.	2.0	9
21	Fast in-memory XPath search using compressed indexes. , 2010, , .		21
22	Storage and Retrieval of Highly Repetitive Sequence Collections. Journal of Computational Biology, 2010, 17, 281-308.	1.6	160
23	Faster entropy-bounded compressed suffix trees. Theoretical Computer Science, 2009, 410, 5354-5364.	0.9	80
24	Space Efficient String Mining under Frequency Constraints. , 2008, , .		16
25	Dynamic entropy-compressed sequences and full-text indexes. ACM Transactions on Algorithms, 2008, 4, 1-38.	1.0	76
26	An(other) Entropy-Bounded Compressed Suffix Tree. , 2008, , 152-165.		15
27	Compressed representations of sequences and full-text indexes. ACM Transactions on Algorithms, 2007, 3, 20.	1.0	271
28	Compressed full-text indexes. ACM Computing Surveys, 2007, 39, 2.	23.0	545
29	Rank and select revisited and extended. Theoretical Computer Science, 2007, 387, 332-347.	0.9	122
30	Rotation and lighting invariant template matching. Information and Computation, 2007, 205, 1096-1113.	0.7	12
31	Peak alignment using restricted edit distances. New Biotechnology, 2007, 24, 337-342.	2.7	5
32	Implicit Compression Boosting with Applications to Self-indexing. , 2007, , 229-241.		31
33	FLEXIBLE MUSIC RETRIEVAL IN SUBLINEAR TIME. International Journal of Foundations of Computer Science, 2006, 17, 1345-1364.	1.1	9
34	A SIMPLE ALPHABET-INDEPENDENT FM-INDEX. International Journal of Foundations of Computer Science, 2006, 17, 1365-1384.	1.1	15
35	Transposition invariant string matching. Journal of Algorithms, 2005, 56, 124-153.	0.9	34
36	Advantages of Backward Searching â€” Efficient Secondary Memory and Distributed Implementation of Compressed Suffix Arrays. Lecture Notes in Computer Science, 2004, , 681-692.	1.3	16