

Nicola Prezza

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

515
citations

933447

10
h-index

839539

18
g-index

40
all docs

40
docs citations

40
times ranked

294
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully Functional Suffix Trees and Optimal Text Searching in BWT-Runs Bounded Space. Journal of the ACM, 2020, 67, 1-54.	2.2	74
2	At the roots of dictionary compression: string attractors. , 2018, , .		53
3	Optimal-Time Text Indexing in BWT-runs Bounded Space. , 2018, , 1459-1477.		44
4	Composite Repetition-Aware Data Structures. Lecture Notes in Computer Science, 2015, , 26-39.	1.3	35
5	Universal compressed text indexing. Theoretical Computer Science, 2019, 762, 41-50.	0.9	28
6	LZ77 Computation Based on the Run-Length Encoded BWT. Algorithmica, 2018, 80, 1986-2011.	1.3	27
7	Transcriptomics and methylomics of CD4-positive T cells in arsenic-exposed women. Archives of Toxicology, 2017, 91, 2067-2078.	4.2	26
8	Optimal-Time Dictionary-Compressed Indexes. ACM Transactions on Algorithms, 2021, 17, 1-39.	1.0	24
9	Towards a Definitive Measure of Repetitiveness. Lecture Notes in Computer Science, 2020, , 207-219.	1.3	22
10	SNPs detection by eBWT positional clustering. Algorithms for Molecular Biology, 2019, 14, 3.	1.2	20
11	ERNE-BS5. , 2012, , .		14
12	Regular Languages meet Prefix Sorting. , 2020, , 911-930.		14
13	On the Approximation Ratio of Ordered Parsings. IEEE Transactions on Information Theory, 2021, 67, 1008-1026.	2.4	11
14	Wheeler languages. Information and Computation, 2021, 281, 104820.	0.7	11
15	On the Approximation Ratio of Lempel-Ziv Parsing. Lecture Notes in Computer Science, 2018, , 490-503.	1.3	10
16	Fast, accurate, and lightweight analysis of BS-treated reads with ERNE 2. BMC Bioinformatics, 2016, 17, 69.	2.6	9
17	Variable-order reference-free variant discovery with the Burrows-Wheeler Transform. BMC Bioinformatics, 2020, 21, 260.	2.6	9
18	Flexible Indexing of Repetitive Collections. Lecture Notes in Computer Science, 2017, , 162-174.	1.3	8

#	ARTICLE	IF	CITATIONS
19	gsufsort: constructing suffix arrays, LCP arrays and BWTs for string collections. Algorithms for Molecular Biology, 2020, 15, 18.	1.2	7
20	Novel Results on the Number of Runs of the Burrows-Wheeler-Transform. Lecture Notes in Computer Science, 2021, , 249-262.	1.3	7
21	Fast Online Lempel-Ziv Factorization in Compressed Space. Lecture Notes in Computer Science, 2015, , 13-20.	1.3	7
22	Succinct Partial Sums and Fenwick Trees. Lecture Notes in Computer Science, 2017, , 91-96.	1.3	7
23	Computing LZ77 in Run-Compressed Space. , 2016, , .		6
24	A separation between RLSLPs and LZ77. Journal of Discrete Algorithms, 2018, 50, 36-39.	0.7	6
25	Fast randomized approximate string matching with succinct hash data structures. BMC Bioinformatics, 2015, 16, S4.	2.6	5
26	Space-Efficient Re-Pair Compression. , 2017, , .		5
27	Online Algorithms on Antipowers and Antiperiods. Lecture Notes in Computer Science, 2019, , 175-188.	1.3	4
28	In-Place Sparse Suffix Sorting. , 2018, , 1496-1508.		3
29	On the reproducibility of experiments of indexing repetitive document collections. Information Systems, 2019, 83, 181-194.	3.6	2
30	Optimal Substring Equality Queries with Applications to Sparse Text Indexing. ACM Transactions on Algorithms, 2021, 17, 1-23.	1.0	2
31	Space-efficient construction of compressed suffix trees. Theoretical Computer Science, 2021, 852, 138-156.	0.9	2
32	Subpath Queries on Compressed Graphs: A Survey. Algorithms, 2021, 14, 14.	2.1	2
33	Linear-time Minimization of Wheeler DFAs. , 2022, , .		2
34	Adaptive learning of compressible strings. Theoretical Computer Science, 2021, 896, 46-52.	0.9	1
35	Decompressing Lempel-Ziv Compressed Text. , 2020, , .		0
36	Special Issue of Algorithmica for the 28th London Stringology Days & London Algorithmic Workshop (LSD & LAW). Algorithmica, 2022, 84, 565-565.	1.3	0