

# Gonzalo Navarro

## List of Publications by Year in descending order

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350  
papers

11,917  
citations

57631

44  
h-index

43802

91  
g-index

375  
all docs

375  
docs citations

375  
times ranked

3480  
citing authors

#	ARTICLE	IF	CITATIONS
1	A guided tour to approximate string matching. ACM Computing Surveys, 2001, 33, 31-88.	16.1	1,824
2	Searching in metric spaces. ACM Computing Surveys, 2001, 33, 273-321.	16.1	929
3	Compressed full-text indexes. ACM Computing Surveys, 2007, 39, 2.	16.1	545
4	Compressed representations of sequences and full-text indexes. ACM Transactions on Algorithms, 2007, 3, 20.	0.9	271
5	Fast and flexible word searching on compressed text. ACM Transactions on Information Systems, 2000, 18, 113-139.	3.8	199
6	Searching in metric spaces by spatial approximation. VLDB Journal, 2002, 11, 28-46.	2.7	169
7	Storage and Retrieval of Highly Repetitive Sequence Collections. Journal of Computational Biology, 2010, 17, 281-308.	0.8	160
8	Pivot selection techniques for proximity searching in metric spaces. Pattern Recognition Letters, 2003, 24, 2357-2366.	2.6	158
9	Effective Proximity Retrieval by Ordering Permutations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1647-1658.	9.7	149
10	A compact space decomposition for effective metric indexing. Pattern Recognition Letters, 2005, 26, 1363-1376.	2.6	133
11	Rank and select revisited and extended. Theoretical Computer Science, 2007, 387, 332-347.	0.5	122
12	Fully Functional Static and Dynamic Succinct Trees. ACM Transactions on Algorithms, 2014, 10, 1-39.	0.9	121
13	Compact representation of Web graphs with extended functionality. Information Systems, 2014, 39, 152-174.	2.4	110
14	On compressing and indexing repetitive sequences. Theoretical Computer Science, 2013, 483, 115-133.	0.5	108
15	Fast and flexible string matching by combining bit-parallelism and suffix automata. Journal of Experimental Algorithmics, 2000, 5, 4.	0.7	104
16	Compression: a key for next-generation text retrieval systems. Computer, 2000, 33, 37-44.	1.2	101
17	Proximal nodes. ACM Transactions on Information Systems, 1997, 15, 400-435.	3.8	100
18	Practical Rank/Select Queries over Arbitrary Sequences. Lecture Notes in Computer Science, 2008, , 176-187.	1.0	94

#	ARTICLE	IF	CITATIONS
19	Wavelet trees for all. <i>Journal of Discrete Algorithms</i> , 2014, 25, 2-20.	0.7	92
20	Integrating contents and structure in text retrieval. <i>SIGMOD Record</i> , 1996, 25, 67-79.	0.7	84
21	Compressed text indexes. <i>Journal of Experimental Algorithmics</i> , 2009, 13, .	0.7	84
22	New algorithms on wavelet trees and applications to information retrieval. <i>Theoretical Computer Science</i> , 2012, 426-427, 25-41.	0.5	83
23	Adding Compression to Block Addressing Inverted Indexes. <i>Information Retrieval</i> , 2000, 3, 49-77.	1.6	82
24	Indexing text using the Ziv-Lempel trie. <i>Journal of Discrete Algorithms</i> , 2004, 2, 87-114.	0.7	82
25	Faster entropy-bounded compressed suffix trees. <i>Theoretical Computer Science</i> , 2009, 410, 5354-5364.	0.5	80
26	DACs: Bringing direct access to variable-length codes. <i>Information Processing and Management</i> , 2013, 49, 392-404.	5.4	80
27	NRgrep: a fast and flexible pattern-matching tool. <i>Software - Practice and Experience</i> , 2001, 31, 1265-1312.	2.5	79
28	Dynamic entropy-compressed sequences and full-text indexes. <i>ACM Transactions on Algorithms</i> , 2008, 4, 1-38.	0.9	76
29	k2-Trees for Compact Web Graph Representation. <i>Lecture Notes in Computer Science</i> , 2009, , 18-30.	1.0	75
30	Fully Functional Suffix Trees and Optimal Text Searching in BWT-Runs Bounded Space. <i>Journal of the ACM</i> , 2020, 67, 1-54.	1.8	74
31	Lightweight natural language text compression. <i>Information Retrieval</i> , 2006, 10, 1-33.	1.6	67
32	Fast and Compact Web Graph Representations. <i>ACM Transactions on the Web</i> , 2010, 4, 1-31.	2.0	66
33	Fully-Functional Succinct Trees. , 2010, , .		65
34	A bit-parallel approach to suffix automata: Fast extended string matching. <i>Lecture Notes in Computer Science</i> , 1998, , 14-33.	1.0	62
35	Spaces, Trees, and Colors. <i>ACM Computing Surveys</i> , 2014, 46, 1-47.	16.1	62
36	Fast and Simple Character Classes and Bounded Gaps Pattern Matching, with Applications to Protein Searching. <i>Journal of Computational Biology</i> , 2003, 10, 903-923.	0.8	59

#	ARTICLE	IF	CITATIONS
37	(S,C)-Dense Coding: An Optimized Compression Code for Natural Language Text Databases. Lecture Notes in Computer Science, 2003, , 122-136.	1.0	55
38	An Alphabet-Friendly FM-Index. Lecture Notes in Computer Science, 2004, , 150-160.	1.0	55
39	Succinct Trees in Practice. , 2010, , 84-97.		55
40	Improved approximate pattern matching on hypertext. Theoretical Computer Science, 2000, 237, 455-463.	0.5	51
41	Fixed Queries Array: A Fast and Economical Data Structure for Proximity Searching. Multimedia Tools and Applications, 2001, 14, 113-135.	2.6	51
42	LZ77-Like Compression with Fast Random Access. , 2010, , .		51
43	Efficient Fully-Compressed Sequence Representations. Algorithmica, 2014, 69, 232-268.	1.0	51
44	Optimal Lower and Upper Bounds for Representing Sequences. ACM Transactions on Algorithms, 2015, 11, 1-21.	0.9	49
45	New Techniques for Regular Expression Searching. Algorithmica, 2005, 41, 89-116.	1.0	48
46	Probabilistic proximity search: Fighting the curse of dimensionality in metric spaces. Information Processing Letters, 2003, 85, 39-46.	0.4	47
47	The wavelet matrix: An efficient wavelet tree for large alphabets. Information Systems, 2015, 47, 15-32.	2.4	47
48	Practical compressed string dictionaries. Information Systems, 2016, 56, 73-108.	2.4	47
49	Block addressing indices for approximate text retrieval. , 2000, 51, 69-82.		46
50	Wavelet Trees for All. Lecture Notes in Computer Science, 2012, , 2-26.	1.0	46
51	Compressed vertical partitioning for efficient RDF management. Knowledge and Information Systems, 2015, 44, 439-474.	2.1	45
52	Optimal-Time Text Indexing in BWT-runs Bounded Space. , 2018, , 1459-1477.		44
53	Alphabet-Independent Compressed Text Indexing. ACM Transactions on Algorithms, 2014, 10, 1-19.	0.9	43
54	Self-Indexed Grammar-Based Compression. Fundamenta Informaticae, 2011, 111, 313-337.	0.3	41

#	ARTICLE	IF	CITATIONS
55	An Efficient Compression Code for Text Databases. Lecture Notes in Computer Science, 2003, , 468-481.	1.0	41
56	Compressed Text Indexes with Fast Locate. Lecture Notes in Computer Science, 2007, , 216-227.	1.0	41
57	Very fast and simple approximate string matching. Information Processing Letters, 1999, 72, 65-70.	0.4	40
58	Word-based self-indexes for natural language text. ACM Transactions on Information Systems, 2012, 30, 1-34.	3.8	40
59	Compressed representations for web and social graphs. Knowledge and Information Systems, 2014, 40, 279-313.	2.1	40
60	Top-k Ranked Document Search in General Text Databases. Lecture Notes in Computer Science, 2010, , 194-205.	1.0	40
61	Self-indexing Based on LZ77. Lecture Notes in Computer Science, 2011, , 41-54.	1.0	40
62	Fast searching on compressed text allowing errors. , 1998, , .		39
63	Fully compressed suffix trees. ACM Transactions on Algorithms, 2011, 7, 1-34.	0.9	39
64	Practical Compressed Suffix Trees. Lecture Notes in Computer Science, 2010, , 94-105.	1.0	39
65	Improved Grammar-Based Compressed Indexes. Lecture Notes in Computer Science, 2012, , 180-192.	1.0	39
66	Stronger Lempel-Ziv Based Compressed Text Indexing. Algorithmica, 2012, 62, 54-101.	1.0	38
67	The Wavelet Matrix. Lecture Notes in Computer Science, 2012, , 167-179.	1.0	37
68	On NFA Reductions. Lecture Notes in Computer Science, 2004, , 112-124.	1.0	36
69	Top- $k$ Document Retrieval in Optimal Time and Linear Space. , 2012, , .		36
70	Succinct Suffix Arrays Based on Run-Length Encoding. Lecture Notes in Computer Science, 2005, , 45-56.	1.0	35
71	Improved compressed indexes for full-text document retrieval. Journal of Discrete Algorithms, 2013, 18, 3-13.	0.7	35
72	Run-Length Compressed Indexes Are Superior for Highly Repetitive Sequence Collections. Lecture Notes in Computer Science, 2008, , 164-175.	1.0	35

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73	Transposition invariant string matching. <i>Journal of Algorithms</i> , 2005, 56, 124-153.	0.9	34
74	Fast approximate string matching in a dictionary. , 0, , .		33
75	Practical Compressed Suffix Trees. <i>Algorithms</i> , 2013, 6, 319-351.	1.2	33
76	Alphabet Partitioning for Compressed Rank/Select and Applications. <i>Lecture Notes in Computer Science</i> , 2010, , 315-326.	1.0	33
77	Boyer-Moore String Matching over Ziv-Lempel Compressed Text. <i>Lecture Notes in Computer Science</i> , 2000, , 166-180.	1.0	32
78	Optimal Dynamic Sequence Representations. <i>SIAM Journal on Computing</i> , 2014, 43, 1781-1806.	0.8	32
79	Indexing Text with Approximate q-Grams. <i>Lecture Notes in Computer Science</i> , 2000, , 350-363.	1.0	32
80	Dynamic spatial approximation trees. <i>Journal of Experimental Algorithmics</i> , 2008, 12, 1-68.	0.7	31
81	Average-optimal single and multiple approximate string matching. <i>Journal of Experimental Algorithmics</i> , 2004, 9, .	0.7	30
82	Compact Queryable Representations of Raster Data. <i>Lecture Notes in Computer Science</i> , 2013, , 96-108.	1.0	30
83	Sorted Range Reporting. <i>Lecture Notes in Computer Science</i> , 2012, , 271-282.	1.0	30
84	Average complexity of exact and approximate multiple string matching. <i>Theoretical Computer Science</i> , 2004, 321, 283-290.	0.5	29
85	Reorganizing compressed text. , 2008, , .		29
86	Rank/select on dynamic compressed sequences and applications. <i>Theoretical Computer Science</i> , 2009, 410, 4414-4422.	0.5	28
87	Compressed q-Gram Indexing for Highly Repetitive Biological Sequences. , 2010, , .		28
88	Universal compressed text indexing. <i>Theoretical Computer Science</i> , 2019, 762, 41-50.	0.5	28
89	Optimal Exact and Fast Approximate Two Dimensional Pattern Matching Allowing Rotations. <i>Lecture Notes in Computer Science</i> , 2002, , 235-248.	1.0	28
90	Fully dynamic metric access methods based on hyperplane partitioning. <i>Information Systems</i> , 2011, 36, 734-747.	2.4	27

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91	Space-efficient data-analysis queries on grids. Theoretical Computer Science, 2013, 482, 60-72.	0.5	27
92	Colored range queries and document retrieval. Theoretical Computer Science, 2013, 483, 36-50.	0.5	27
93	Statistical Encoding of Succinct Data Structures. Lecture Notes in Computer Science, 2006, , 294-305.	1.0	27
94	Probabilistic proximity searching algorithms based on compact partitions. Journal of Discrete Algorithms, 2004, 2, 115-134.	0.7	26
95	Succinct nearest neighbor search. Information Systems, 2013, 38, 1019-1030.	2.4	26
96	Universal indexes for highly repetitive document collections. Information Systems, 2016, 61, 1-23.	2.4	26
97	Extended Compact Web Graph Representations. Lecture Notes in Computer Science, 2010, , 77-91.	1.0	26
98	Colored Range Queries and Document Retrieval. Lecture Notes in Computer Science, 2010, , 67-81.	1.0	26
99	LZgrep: a Boyer-Moore string matching tool for Ziv-Lempel compressed text. Software - Practice and Experience, 2005, 35, 1107-1130.	2.5	25
100	Approximate String Matching with Compressed Indexes. Algorithms, 2009, 2, 1105-1136.	1.2	25
101	Near neighbor searching with K nearest references. Information Systems, 2015, 51, 43-61.	2.4	25
102	A Fast and Compact Web Graph Representation. , 2007, , 118-129.		25
103	Dual-Sorted Inverted Lists. Lecture Notes in Computer Science, 2010, , 309-321.	1.0	25
104	New and faster filters for multiple approximate string matching. Random Structures and Algorithms, 2002, 20, 23-49.	0.6	24
105	Faster and smaller inverted indices with treaps. , 2013, , .		24
106	Optimal-Time Dictionary-Compressed Indexes. ACM Transactions on Algorithms, 2021, 17, 1-39.	0.9	24
107	Directly Addressable Variable-Length Codes. Lecture Notes in Computer Science, 2009, , 122-130.	1.0	24
108	Compressed String Dictionaries. Lecture Notes in Computer Science, 2011, , 136-147.	1.0	24

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109	Practical Compressed Document Retrieval. Lecture Notes in Computer Science, 2011, , 193-205.	1.0	24
110	A Practical q -Gram Index for Text Retrieval Allowing Errors. CLEI Electronic Journal, 1998, 1, .	0.2	24
111	Dynamic lightweight text compression. ACM Transactions on Information Systems, 2010, 28, 1-32.	3.8	23
112	Compact binary relation representations with rich functionality. Information and Computation, 2013, 232, 19-37.	0.5	23
113	Space-efficient representations of rectangle datasets supporting orthogonal range querying. Information Systems, 2013, 38, 635-655.	2.4	23
114	New Lower and Upper Bounds for Representing Sequences. Lecture Notes in Computer Science, 2012, , 181-192.	1.0	23
115	Indexing Highly Repetitive Collections. Lecture Notes in Computer Science, 2012, , 274-279.	1.0	23
116	Bit-Parallel Witnesses and Their Applications to Approximate String Matching. Algorithmica, 2005, 41, 203-231.	1.0	22
117	Analyzing Metric Space Indexes: What For?. , 2009, , .		22
118	Implicit indexing of natural language text by reorganizing bytecodes. Information Retrieval, 2012, 15, 527-557.	1.6	22
119	On compressing permutations and adaptive sorting. Theoretical Computer Science, 2013, 513, 109-123.	0.5	22
120	Faster Bit-Parallel Approximate String Matching. Lecture Notes in Computer Science, 2002, , 203-224.	1.0	22
121	Towards a Definitive Measure of Repetitiveness. Lecture Notes in Computer Science, 2020, , 207-219.	1.0	22
122	Improving an Algorithm for Approximate Pattern Matching. Algorithmica, 2001, 30, 473-502.	1.0	21
123	Approximate string matching on Zivâ€™Lempel compressed text. Journal of Discrete Algorithms, 2003, 1, 313-338.	0.7	21
124	Fast in-memory XPath search using compressed indexes. , 2010, , .		21
125	GraCT: A Grammar-based Compressed Index for Trajectory Data. Information Sciences, 2019, 483, 106-135.	4.0	21
126	On the Least Cost for Proximity Searching in Metric Spaces. Lecture Notes in Computer Science, 2006, , 279-290.	1.0	21

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127	A Metric Index for Approximate String Matching. Lecture Notes in Computer Science, 2002, , 181-195.	1.0	21
128	Alphabet-Independent Compressed Text Indexing. Lecture Notes in Computer Science, 2011, , 748-759.	1.0	21
129	Bounding the Expected Length of Longest Common Subsequences and Forests. Theory of Computing Systems, 1999, 32, 435-452.	0.7	20
130	Faster approximate string matching over compressed text. , 0, , .		20
131	An empirical evaluation of intrinsic dimension estimators. Information Systems, 2017, 64, 206-218.	2.4	20
132	Proximity Searching in High Dimensional Spaces with a Proximity Preserving Order. Lecture Notes in Computer Science, 2005, , 405-414.	1.0	20
133	Approximate String Matching over Ziv&Lempel Compressed Text. Lecture Notes in Computer Science, 2000, , 195-209.	1.0	20
134	A New Indexing Method for Approximate String Matching. Lecture Notes in Computer Science, 1999, , 163-185.	1.0	20
135	An effective clustering algorithm to index high dimensional metric spaces. , 0, , .		19
136	Matchsimile: A flexible approximate matching tool for searching proper names. Journal of the Association for Information Science and Technology, 2003, 54, 3-15.	2.6	19
137	Sequential and indexed two-dimensional combinatorial template matching allowing rotations. Theoretical Computer Science, 2005, 347, 239-275.	0.5	19
138	Dynamic Spatial Approximation Trees for Massive Data. , 2009, , .		19
139	A Compact RDF Store Using Suffix Arrays. Lecture Notes in Computer Science, 2015, , 103-115.	1.0	19
140	Compressed representation of dynamic binary relations with applications. Information Systems, 2017, 69, 106-123.	2.4	19
141	XQL and proximal nodes. Journal of the Association for Information Science and Technology, 2002, 53, 504-514.	2.6	18
142	Increased bit-parallelism for approximate and multiple string matching. Journal of Experimental Algorithmics, 2005, 10, .	0.7	18
143	Maximum-weight planar boxes in time (and better). Information Processing Letters, 2014, 114, 437-445.	0.4	18
144	Indexing Highly Repetitive String Collections, Part I. ACM Computing Surveys, 2022, 54, 1-31.	16.1	18

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145	Multiple approximate string matching. Lecture Notes in Computer Science, 1997, , 174-184.	1.0	18
146	Regular expression searching on compressed text. Journal of Discrete Algorithms, 2003, 1, 423-443.	0.7	17
147	Indexing text with approximate q-grams. Journal of Discrete Algorithms, 2005, 3, 157-175.	0.7	17
148	LRM-Trees: Compressed indices, adaptive sorting, and compressed permutations. Theoretical Computer Science, 2012, 459, 26-41.	0.5	17
149	String matching with alphabet sampling. Journal of Discrete Algorithms, 2012, 11, 37-50.	0.7	17
150	Faster Compact Top-k Document Retrieval. , 2013, , .		17
151	Compact Rich-Functional Binary Relation Representations. Lecture Notes in Computer Science, 2010, , 170-183.	1.0	17
152	Lempel-Ziv compression of structured text. , 0, , .		16
153	Using structural contexts to compress semistructured text collections. Information Processing and Management, 2007, 43, 769-790.	5.4	16
154	New space/time tradeoffs for top- k document retrieval on sequences. Theoretical Computer Science, 2014, 542, 83-97.	0.5	16
155	RePair and All Irreducible Grammars are Upper Bounded by High-Order Empirical Entropy. IEEE Transactions on Information Theory, 2019, 65, 3160-3164.	1.5	16
156	Dynamic Entropy-Compressed Sequences and Full-Text Indexes. Lecture Notes in Computer Science, 2006, , 306-317.	1.0	16
157	Rpair: Rescaling RePair with Rsync. Lecture Notes in Computer Science, 2019, , 35-44.	1.0	16
158	Advantages of Backward Searching “ Efficient Secondary Memory and Distributed Implementation of Compressed Suffix Arrays. Lecture Notes in Computer Science, 2004, , 681-692.	1.0	16
159	A metric index for approximate string matching. Theoretical Computer Science, 2006, 352, 266-279.	0.5	15
160	A SIMPLE ALPHABET-INDEPENDENT FM-INDEX. International Journal of Foundations of Computer Science, 2006, 17, 1365-1384.	0.8	15
161	Space-efficient construction of Lempel“Ziv compressed text indexes. Information and Computation, 2011, 209, 1070-1102.	0.5	15
162	Fast in“memory XPath search using compressed indexes. Software - Practice and Experience, 2015, 45, 399-434.	2.5	15

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163	New dynamic metric indices for secondary memory. <i>Information Systems</i> , 2016, 59, 48-78.	2.4	15
164	Indexing Highly Repetitive String Collections, Part II. <i>ACM Computing Surveys</i> , 2022, 54, 1-32.	16.1	15
165	An(other) Entropy-Bounded Compressed Suffix Tree. , 2008, , 152-165.		15
166	Practical and flexible pattern matching over Ziv&Lempel compressed text. <i>Journal of Discrete Algorithms</i> , 2004, 2, 347-371.	0.7	14
167	Implementing the LZ-index. <i>Journal of Experimental Algorithmics</i> , 2009, 13, .	0.7	14
168	Optimal Dynamic Sequence Representations. , 2013, , .		14
169	Time-Optimal Top- $k$ Document Retrieval. <i>SIAM Journal on Computing</i> , 2017, 46, 80-113.	0.8	14
170	Improved antidictionary based compression. , 0, , .		13
171	Compressed Dynamic Binary Relations. , 2012, , .		13
172	Faster Compressed Suffix Trees for Repetitive Collections. <i>Journal of Experimental Algorithmics</i> , 2016, 21, 1-38.	0.7	13
173	Document retrieval on repetitive string collections. <i>Information Retrieval</i> , 2017, 20, 253-291.	1.6	13
174	Space-Efficient Construction of Compressed Indexes in Deterministic Linear Time. , 2017, , .		13
175	Fast and compact planar embeddings. <i>Computational Geometry: Theory and Applications</i> , 2020, 89, 101630.	0.3	13
176	Worst-Case Optimal Graph Joins in Almost No Space. , 2021, , .		13
177	Compressed Representation of Web and Social Networks via Dense Subgraphs. <i>Lecture Notes in Computer Science</i> , 2012, , 264-276.	1.0	13
178	Searching in metric spaces by spatial approximation. , 0, , .		12
179	Rotation and lighting invariant template matching. <i>Information and Computation</i> , 2007, 205, 1096-1113.	0.5	12
180	Re-pair Achieves High-Order Entropy. <i>Proceedings of the Data Compression Conference</i> , 2008, , .	0.0	12

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181	Improved Range Minimum Queries. Journal of Discrete Algorithms, 2017, 43, 72-80.	0.7	12
182	Extending general compact querieable representations to GIS applications. Information Sciences, 2020, 506, 196-216.	4.0	12
183	Fast Regular Expression Search. Lecture Notes in Computer Science, 1999, , 198-212.	1.0	12
184	Document Listing on Repetitive Collections. Lecture Notes in Computer Science, 2013, , 107-119.	1.0	12
185	Better Space Bounds for Parameterized Range Majority and Minority. Lecture Notes in Computer Science, 2013, , 121-132.	1.0	12
186	Efficiently decodable and searchable natural language adaptive compression. , 2005, , .		11
187	Speeding up spatial approximation search in metric spaces. Journal of Experimental Algorithmics, 2009, 14, .	0.7	11
188	A succinct data structure for self-indexing ternary relations. Journal of Discrete Algorithms, 2017, 43, 38-53.	0.7	11
189	Compact structure for sparse undirected graphs based on a clique graph partition. Information Sciences, 2021, 544, 485-499.	4.0	11
190	On the Approximation Ratio of Ordered Parsings. IEEE Transactions on Information Theory, 2021, 67, 1008-1026.	1.5	11
191	Self-indexing Natural Language. Lecture Notes in Computer Science, 2008, , 121-132.	1.0	11
192	A Lempel-Ziv Text Index on Secondary Storage. Lecture Notes in Computer Science, 2007, , 83-94.	1.0	10
193	On Sorting, Heaps, and Minimum Spanning Trees. Algorithmica, 2010, 57, 585-620.	1.0	10
194	Grammar Compressed Sequences with Rank/Select Support. Lecture Notes in Computer Science, 2014, , 31-44.	1.0	10
195	Efficient and Compact Representations of Prefix Codes. IEEE Transactions on Information Theory, 2015, 61, 4999-5011.	1.5	10
196	Locally Compressed Suffix Arrays. Journal of Experimental Algorithmics, 2015, 19, .	0.7	10
197	Relative Suffix Trees. Computer Journal, 2018, 61, 773-788.	1.5	10
198	Grammar-compressed indexes with logarithmic search time. Journal of Computer and System Sciences, 2021, 118, 53-74.	0.9	10

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199	On the Approximation Ratio of Lempel-Ziv Parsing. Lecture Notes in Computer Science, 2018, , 490-503.	1.0	10
200	A Fun Application of Compact Data Structures to Indexing Geographic Data. Lecture Notes in Computer Science, 2010, , 77-88.	1.0	10
201	Protein complex prediction via dense subgraphs and false positive analysis. PLoS ONE, 2017, 12, e0183460.	1.1	10
202	FLEXIBLE MUSIC RETRIEVAL IN SUBLINEAR TIME. International Journal of Foundations of Computer Science, 2006, 17, 1345-1364.	0.8	9
203	New adaptive compressors for natural language text. Software - Practice and Experience, 2008, 38, 1429-1450.	2.5	9
204	Word-Based Statistical Compressors as Natural Language Compression Boosters. Proceedings of the Data Compression Conference, 2008, , .	0.0	9
205	Improving the space cost of k-NN search in metric spaces by using distance estimators. Multimedia Tools and Applications, 2009, 41, 215-233.	2.6	9
206	Aggregated 2D range queries on clustered points. Information Systems, 2016, 60, 34-49.	2.4	9
207	Block trees. Journal of Computer and System Sciences, 2021, 117, 1-22.	0.9	9
208	Practical Random Access to SLP-Compressed Texts. Lecture Notes in Computer Science, 2020, , 221-231.	1.0	9
209	Encodings for Range Selection and Top-k Queries. Lecture Notes in Computer Science, 2013, , 553-564.	1.0	9
210	Simple, Fast, and Efficient Natural Language Adaptive Compression. Lecture Notes in Computer Science, 2004, , 230-241.	1.0	8
211	EGNAT: A Fully Dynamic Metric Access Method for Secondary Memory. , 2009, , .		8
212	Boosting Text Compression with Word-Based Statistical Encoding. Computer Journal, 2012, 55, 111-131.	1.5	8
213	Fast Fully-Compressed Suffix Trees. , 2014, , .		8
214	Distributed text search using suffix arrays. Parallel Computing, 2014, 40, 471-495.	1.3	8
215	Tunneling on Wheeler Graphs. , 2019, , .		8
216	Lempel-Ziv-Like Parsing in Small Space. Algorithmica, 2020, 82, 3195-3215.	1.0	8

#	ARTICLE	IF	CITATIONS
217	Improved Compressed Indexes for Full-Text Document Retrieval. Lecture Notes in Computer Science, 2011, , 386-397.	1.0	8
218	A Practical Index for Genome Searching. Lecture Notes in Computer Science, 2003, , 341-349.	1.0	7
219	Pattern Matching. Journal of Applied Statistics, 2004, 31, 925-949.	0.6	7
220	Lempel-Ziv compression of highly structured documents. Journal of the Association for Information Science and Technology, 2007, 58, 461-478.	2.6	7
221	Interleaved K2-Tree: Indexing and Navigating Ternary Relations. , 2014, , .		7
222	Faster Compressed Quadrees. , 2015, , .		7
223	Simple and efficient fully-functional succinct trees. Theoretical Computer Science, 2016, 656, 135-145.	0.5	7
224	Document listing on repetitive collections with guaranteed performance. Theoretical Computer Science, 2019, 772, 58-72.	0.5	7
225	PFP Compressed Suffix Trees. , 2021, 2021, 60-72.		7
226	Average-Optimal Multiple Approximate String Matching. Lecture Notes in Computer Science, 2003, , 109-128.	1.0	7
227	An Index for Two Dimensional String Matching Allowing Rotations. Lecture Notes in Computer Science, 2000, , 59-75.	1.0	7
228	A Lempel-Ziv Compressed Structure for Document Listing. Lecture Notes in Computer Science, 2013, , 116-128.	1.0	7
229	K 2-Treaps: Range Top-k Queries in Compact Space. Lecture Notes in Computer Science, 2014, , 215-226.	1.0	7
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