Gonzalo Navarro

List of Publications by Year
in descending order

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	Indexing Highly Repetitive String Collections, Part II. ACM Computing Surveys, 2022, 54, 1-32.	16.1	15
2	Indexing Highly Repetitive String Collections, Part I. ACM Computing Surveys, 2022, 54, 1-31.	16.1	18
3	Faster repetition-aware compressed suffix trees based on Block Trees. Information and Computation, 2022, 285, 104749.	0.5	2
4	Efficient and compact representations of some non-canonical prefix-free codes. Theoretical Computer Science, 2022, , .	0.5	0
5	Graph Compression for Adjacency-Matrix Multiplication. SN Computer Science, 2022, 3, .	2.3	1
6	HOLZ: High-Order Entropy Encoding of Lempel-Ziv Factor Distances. , 2022, , .		2
7	An index for moving objects with constant-time access to their compressed trajectories. International Journal of Geographical Information Science, 2021, 35, 1392-1424.	2.2	4
8	Compact structure for sparse undirected graphs based on a clique graph partition. Information Sciences, 2021, 544, 485-499.	4.0	11
9	Block trees. Journal of Computer and System Sciences, 2021, 117, 1-22.	0.9	9
10	On the Approximation Ratio of Ordered Parsings. IEEE Transactions on Information Theory, 2021, 67, 1008-1026.	1.5	11
11	PFP Compressed Suffix Trees. , 2021, 2021, 60-72.		7
12	On Stricter Reachable Repetitiveness Measures. Lecture Notes in Computer Science, 2021, , 193-206.	1.0	3
13	An LMS-Based Grammar Self-index withÂLocal Consistency Properties. Lecture Notes in Computer Science, 2021, , 100-113.	1.0	4
14	A Disk-Based Index for Trajectories with an In-Memory Compressed Cache. , 2021, , .		0
15	A grammar compressor for collections of reads with applications to the construction of the BWT. , 2021, , .		6
16	Compact Representation of Spatial Hierarchies and Topological Relationships. , 2021, , .		2
17	Range Majorities and Minorities in Arrays. Algorithmica, 2021, 83, 1707-1733.	1.0	0
18	Grammar-compressed indexes with logarithmic search time. Journal of Computer and System Sciences, 2021, 118, 53-74.	0.9	10

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19	Worst-Case Optimal Graph Joins in Almost No Space. , 2021, , .		13
20	Optimal-Time Dictionary-Compressed Indexes. ACM Transactions on Algorithms, 2021, 17, 1-39.	0.9	24
21	Engineering Practical Lempel-Ziv Tries. Journal of Experimental Algorithmics, 2021, 26, 1-47.	0.7	0
22	Parallel computation of the Burrows Wheeler Transform in compact space. Theoretical Computer Science, 2020, 812, 123-136.	0.5	2
23	Ranked document selection. Theoretical Computer Science, 2020, 812, 149-159.	0.5	3
24	Extending general compact querieable representations to GIS applications. Information Sciences, 2020, 506, 196-216.	4.0	12
25	Fast Compressed Self-indexes with Deterministic Linear-Time Construction. Algorithmica, 2020, 82, 316-337.	1.0	2
26	Fast and compact planar embeddings. Computational Geometry: Theory and Applications, 2020, 89, 101630.	0.3	13
27	On Dynamic Succinct Graph Representations. , 2020, , .		3
28	Tree path majority data structures. Theoretical Computer Science, 2020, 833, 107-119.	0.5	0
29	Semantrix: A Compressed Semantic Matrix. , 2020, , .		0
30	Lempelâ€"Ziv-Like Parsing in Small Space. Algorithmica, 2020, 82, 3195-3215.	1.0	8
31	Compressed Dynamic Range Majority and Minority Data Structures. Algorithmica, 2020, 82, 2063-2086.	1.0	1
32	Practical Random Access toÂSLP-Compressed Texts. Lecture Notes in Computer Science, 2020, , 221-231.	1.0	9
33	Towards a Definitive Measure of Repetitiveness. Lecture Notes in Computer Science, 2020, , 207-219.	1.0	22
34	Fully Functional Suffix Trees and Optimal Text Searching in BWT-Runs Bounded Space. Journal of the ACM, 2020, 67, 1-54.	1.8	74
35	Contextual Pattern Matching. Lecture Notes in Computer Science, 2020, , 3-10.	1.0	1
36	Tunneling on Wheeler Graphs. , 2019, , .		8

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37	Improved Compressed String Dictionaries. , 2019, , .		5
38	Cell cycle and protein complex dynamics in discovering signaling pathways. Journal of Bioinformatics and Computational Biology, 2019, 17, 1950011.	0.3	0
39	GraCT: A Grammar-based Compressed Index for Trajectory Data. Information Sciences, 2019, 483, 106-135.	4.0	21
40	Practical Indexing of Repetitive Collections Using Relative Lempel-Ziv. , 2019, , .		2
41	Space-Efficient Computation of the Burrows-Wheeler Transform. , 2019, , .		2
42	Path queries on functions. Theoretical Computer Science, 2019, 770, 34-50.	0.5	1
43	Compressed filesystem for managing large genome collections. Bioinformatics, 2019, 35, 4120-4128.	1.8	1
44	On the reproducibility of experiments of indexing repetitive document collections. Information Systems, 2019, 83, 181-194.	2.4	2
45	Document listing on repetitive collections with guaranteed performance. Theoretical Computer Science, 2019, 772, 58-72.	0.5	7
46	Lempelâ€"Ziv compressed structures for document retrieval. Information and Computation, 2019, 265, 1-25.	0.5	1
47	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
48	Universal compressed text indexing. Theoretical Computer Science, 2019, 762, 41-50.	0.5	28
49	Rpair: Rescaling RePair with Rsync. Lecture Notes in Computer Science, 2019, , 35-44.	1.0	16
50	Compressed Indexes for Repetitive Textual Datasets. , 2019, , 475-480.		2
51	Fast, Small, and Simple Document Listing on Repetitive Text Collections. Lecture Notes in Computer Science, 2019, , 482-498.	1.0	2
52	Faster Dynamic Compressed d-ary Relations. Lecture Notes in Computer Science, 2019, , 419-433.	1.0	1
53	Optimal-Time Text Indexing in BWT-runs Bounded Space. , 2018, , 1459-1477.		44
54	Guest Editorial: Special Issue on Compact Data Structures. Algorithmica, 2018, 80, 1983-1985.	1.0	0

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55	Guest Editorial: Special Issue on Theoretical Informatics. Algorithmica, 2018, 80, 827-829.	1.0	0
56	Relative Suffix Trees. Computer Journal, 2018, 61, 773-788.	1.5	10
57	A Grammar Compression Algorithm Based on Induced Suffix Sorting. , 2018, , .		0
58	Two-Dimensional Block Trees. , 2018, , .		1
59	Exploiting Computation-Friendly Graph Compression Methods for Adjacency-Matrix Multiplication. , 2018, , .		5
60	On the Approximation Ratio ofÂLempel-Ziv Parsing. Lecture Notes in Computer Science, 2018, , 490-503.	1.0	10
61	Managing Compressed Structured Text. , 2018, , 2176-2183.		0
62	Text Index Compression. , 2018, , 4075-4081.		0
63	Compressed Indexes for Repetitive Textual Datasets. , 2018, , 1-7.		0
64	An empirical evaluation of intrinsic dimension estimators. Information Systems, 2017, 64, 206-218.	2.4	20
65	Improved Range Minimum Queries. Journal of Discrete Algorithms, 2017, 43, 72-80.	0.7	12
66	A succinct data structure for self-indexing ternary relations. Journal of Discrete Algorithms, 2017, 43, 38-53.	0.7	11
67	Time-Optimal Top-k Document Retrieval. SIAM Journal on Computing, 2017, 46, 80-113.	0.8	14
68	Compressed Dynamic Range Majority Data Structures. , 2017, , .		2
69	Top-k Term-Proximity in Succinct Space. Algorithmica, 2017, 78, 379-393.	1.0	3
70	Practical Compact Indexes for Top-<i>k</i>Document Retrieval. Journal of Experimental Algorithmics, 2017, 22, 1-37.	0.7	0
71	Compressed representation of dynamic binary relations with applications. Information Systems, 2017, 69, 106-123.	2.4	19
72	Document retrieval on repetitive string collections. Information Retrieval, 2017, 20, 253-291.	1.6	13

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73	Asymptotically Optimal Encodings of Range Data Structures for Selection and Top- *k* Queries. ACM Transactions on Algorithms, 2017, 13, 1-31.	0.9	5
74	Inverted Treaps. ACM Transactions on Information Systems, 2017, 35, 1-45.	3.8	1
75	Space-Efficient Construction of Compressed Indexes in Deterministic Linear Time. , 2017, , .		13
76	Grammar compressed sequences with rank/select support. Journal of Discrete Algorithms, 2017, 43, 54-71.	0.7	3
77	Efficient Compression and Indexing of Trajectories. Lecture Notes in Computer Science, 2017, , 103-115.	1.0	3
78	Protein complex prediction via dense subgraphs and false positive analysis. PLoS ONE, 2017, 12, e0183460.	1.1	10
79	Text Index Compression. , 2017, , 1-6.		0
80	Managing Compressed Structured Text. , 2017, , 1-8.		0
81	Approximate Regular Expression Matching. , 2016, , 99-102.		0
82	Improved Range Minimum Queries. , 2016, , .		4
83	Reporting consecutive substring occurrences under bounded gap constraints. Theoretical Computer Science, 2016, 638, 108-111.	0.5	3
84	Simple and efficient fully-functional succinct trees. Theoretical Computer Science, 2016, 656, 135-145.	0.5	7
85	Aggregated 2D range queries on clustered points. Information Systems, 2016, 60, 34-49.	2.4	9
86	Universal indexes for highly repetitive document collections. Information Systems, 2016, 61, 1-23.	2.4	26
87	New dynamic metric indices for secondary memory. Information Systems, 2016, 59, 48-78.	2.4	15
88	Practical compressed string dictionaries. Information Systems, 2016, 56, 73-108.	2.4	47
89	Faster Compressed Suffix Trees for Repetitive Collections. Journal of Experimental Algorithmics, 2016, 21, 1-38.	0.7	13
90	Optimal Encodings for Range Majority Queries. Algorithmica, 2016, 74, 1082-1098.	1.0	4

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91	GraCT: A Grammar Based Compressed Representation of Trajectories. Lecture Notes in Computer Science, 2016, , 218-230.	1.0	4
92	Compressed Tree Representations. , 2016, , 397-401.		0
93	Approximate String Matching. , 2016, , 102-106.		1
94	Practical Dynamic Entropy-Compressed Bitvectors with Applications. Lecture Notes in Computer Science, 2016, , 105-117.	1.0	6
95	Fast inâ€memory XPath search using compressed indexes. Software - Practice and Experience, 2015, 45, 399-434.	2.5	15
96	Improved Single-Term Top-*k* Document Retrieval. , 2015, , 24-32.		4
97	Compressed vertical partitioning for efficient RDF management. Knowledge and Information Systems, 2015, 44, 439-474.	2.1	45
98	General Document Retrieval in Compact Space. Journal of Experimental Algorithmics, 2015, 19, 1-46.	0.7	4
99	Document Counting in Compressed Space. , 2015, , .		3
100	Faster Compressed Quadtrees. , 2015, , .		7
101	Bottom-k document retrieval. Journal of Discrete Algorithms, 2015, 32, 69-74.	0.7	3
102	Near neighbor searching with K nearest references. Information Systems, 2015, 51, 43-61.	2.4	25
103	Improved and extended locating functionality on compressed suffix arrays. Journal of Discrete Algorithms, 2015, 32, 53-63.	0.7	6
104	An Empirical Evaluation of Intrinsic Dimension Estimators. Lecture Notes in Computer Science, 2015, , 125-137.	1.0	1
105	A Compact RDF Store Using Suffix Arrays. Lecture Notes in Computer Science, 2015, , 103-115.	1.0	19
106	Optimal Lower and Upper Bounds for Representing Sequences. ACM Transactions on Algorithms, 2015, 11, 1-21.	0.9	49
107	Efficient and Compact Representations of Prefix Codes. IEEE Transactions on Information Theory, 2015, 61, 4999-5011.	1.5	10
108	Locally Compressed Suffix Arrays. Journal of Experimental Algorithmics, 2015, 19, .	0.7	10

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109	The wavelet matrix: An efficient wavelet tree for large alphabets. Information Systems, 2015, 47, 15-32.	2.4	47
110	Compressed Tree Representations. , 2015, , 1-7.		1
111	Encodings for Range Majority Queries. Lecture Notes in Computer Science, 2014, , 262-272.	1.0	2
112	Fully Functional Static and Dynamic Succinct Trees. ACM Transactions on Algorithms, 2014, 10, 1-39.	0.9	121
113	Alphabet-Independent Compressed Text Indexing. ACM Transactions on Algorithms, 2014, 10, 1-19.	0.9	43
114	Grammar Compressed Sequences with Rank/Select Support. Lecture Notes in Computer Science, 2014, , 31-44.	1.0	10
115	XXS. ACM Transactions on Information Systems, 2014, 32, 1-37.	3.8	3
116	Wavelet trees for all. Journal of Discrete Algorithms, 2014, 25, 2-20.	0.7	92
117	Maximum-weight planar boxes in time (and better). Information Processing Letters, 2014, 114, 437-445.	0.4	18
118	Efficient Fully-Compressed Sequence Representations. Algorithmica, 2014, 69, 232-268.	1.0	51
119	Compressed representations for web and social graphs. Knowledge and Information Systems, 2014, 40, 279-313.	2.1	40
120	Spaces, Trees, and Colors. ACM Computing Surveys, 2014, 46, 1-47.	16.1	62
121	Optimal Dynamic Sequence Representations. SIAM Journal on Computing, 2014, 43, 1781-1806.	0.8	32
122	Interleaved K2-Tree: Indexing and Navigating Ternary Relations. , 2014, , .		7
123	Fast Fully-Compressed Suffix Trees. , 2014, , .		8
124	Distributed text search using suffix arrays. Parallel Computing, 2014, 40, 471-495.	1.3	8
125	New space/time tradeoffs for top- k document retrieval on sequences. Theoretical Computer Science, 2014, 542, 83-97.	0.5	16
126	Compact representation of Web graphs with extended functionality. Information Systems, 2014, 39, 152-174.	2.4	110

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127	K 2-Treaps: Range Top-k Queries in Compact Space. Lecture Notes in Computer Science, 2014, , 215-226.	1.0	7
128	Efficient Compressed Indexing for Approximate Top-k String Retrieval. Lecture Notes in Computer Science, 2014, , 18-30.	1.0	3
129	Approximate Regular Expression Matching. , 2014, , 1-4.		1
130	Dynamic List of Clusters in Secondary Memory. Lecture Notes in Computer Science, 2014, , 94-105.	1.0	3
131	Improved and Extended Locating Functionality on Compressed Suffix Arrays. Lecture Notes in Computer Science, 2014, , 436-447.	1.0	0
132	Approximate String Matching. , 2014, , 1-5.		3
133	Compact binary relation representations with rich functionality. Information and Computation, 2013, 232, 19-37.	0.5	23
134	On compressing and indexing repetitive sequences. Theoretical Computer Science, 2013, 483, 115-133.	0.5	108
135	On compressing permutations and adaptive sorting. Theoretical Computer Science, 2013, 513, 109-123.	0.5	22
136	Faster Compact Top-k Document Retrieval. , 2013, , .		17
137	Space-efficient data-analysis queries on grids. Theoretical Computer Science, 2013, 482, 60-72.	0.5	27
138	Space-efficient representations of rectangle datasets supporting orthogonal range querying. Information Systems, 2013, 38, 635-655.	2.4	23
139	Colored range queries and document retrieval. Theoretical Computer Science, 2013, 483, 36-50.	0.5	27
140	Improved compressed indexes for full-text document retrieval. Journal of Discrete Algorithms, 2013, 18, 3-13.	0.7	35
141	Succinct nearest neighbor search. Information Systems, 2013, 38, 1019-1030.	2.4	26
142	DACs: Bringing direct access to variable-length codes. Information Processing and Management, 2013, 49, 392-404.	5.4	80
143	Faster and smaller inverted indices with treaps. , 2013, , .		24
144	Compressing Huffman Models on Large Alphabets. , 2013, , .		6

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145	Practical Compressed Suffix Trees. Algorithms, 2013, 6, 319-351.	1.2	33
146	Optimal Dynamic Sequence Representations. , 2013, , .		14
147	Compact Querieable Representations of Raster Data. Lecture Notes in Computer Science, 2013, , 96-108.	1.0	30
148	A Lempel-Ziv Compressed Structure for Document Listing. Lecture Notes in Computer Science, 2013, , 116-128.	1.0	7
149	Faster Top-ƙ Document Retrieval in Optimal Space. Lecture Notes in Computer Science, 2013, , 255-262.	1.0	5
150	Document Listing on Repetitive Collections. Lecture Notes in Computer Science, 2013, , 107-119.	1.0	12
151	Better Space Bounds for Parameterized Range Majority and Minority. Lecture Notes in Computer Science, 2013, , 121-132.	1.0	12
152	EncodingsÂforÂRangeÂSelectionÂandÂTop-ƙÂQueries. Lecture Notes in Computer Science, 2013, , 553-564.	1.0	9
153	Boosting Text Compression with Word-Based Statistical Encoding. Computer Journal, 2012, 55, 111-131.	1.5	8
154	Implicit indexing of natural language text by reorganizing bytecodes. Information Retrieval, 2012, 15, 527-557.	1.6	22
155	Compressed Dynamic Binary Relations. , 2012, , .		13
156	LRM-Trees: Compressed indices, adaptive sorting, and compressed permutations. Theoretical Computer Science, 2012, 459, 26-41.	0.5	17
157	Word-based self-indexes for natural language text. ACM Transactions on Information Systems, 2012, 30, 1-34.	3.8	40
158	New algorithms on wavelet trees and applications to information retrieval. Theoretical Computer Science, 2012, 426-427, 25-41.	0.5	83
159	String matching with alphabet sampling. Journal of Discrete Algorithms, 2012, 11, 37-50.	0.7	17
160	Stronger Lempel-Ziv Based Compressed Text Indexing. Algorithmica, 2012, 62, 54-101.	1.0	38
161	Sorted Range Reporting. Lecture Notes in Computer Science, 2012, , 271-282.	1.0	30
162	Wavelet Trees for All. Lecture Notes in Computer Science, 2012, , 2-26.	1.0	46

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163	New Lower and Upper Bounds for Representing Sequences. Lecture Notes in Computer Science, 2012, , 181-192.	1.0	23
164	Ranked Document Retrieval in (Almost) No Space. Lecture Notes in Computer Science, 2012, , 155-160.	1.0	3
165	The Wavelet Matrix. Lecture Notes in Computer Science, 2012, , 167-179.	1.0	37
166	Improved Grammar-Based Compressed Indexes. Lecture Notes in Computer Science, 2012, , 180-192.	1.0	39
167	Compressed Representation of Web and Social Networks via Dense Subgraphs. Lecture Notes in Computer Science, 2012, , 264-276.	1.0	13
168	Indexing Highly Repetitive Collections. Lecture Notes in Computer Science, 2012, , 274-279.	1.0	23
169	Top-k Document Retrieval in Optimal Time and Linear Space. , 2012, , .		36
170	Compressed Suffix Trees for Repetitive Texts. Lecture Notes in Computer Science, 2012, , 30-41.	1.0	3
171	Backwards Search in Context Bound Text Transformations. , 2011, , .		1
172	Self-Indexed Grammar-Based Compression. Fundamenta Informaticae, 2011, 111, 313-337.	0.3	41
173	On-line approximate string matching with bounded errors. Theoretical Computer Science, 2011, 412, 6359-6370.	0.5	1
174	Improving semistatic compression via phrase-based modeling. Information Processing and Management, 2011, 47, 545-559.	5.4	1
175	Space-efficient construction of Lempel–Ziv compressed text indexes. Information and Computation, 2011, 209, 1070-1102.	0.5	15
176	Fully dynamic metric access methods based on hyperplane partitioning. Information Systems, 2011, 36, 734-747.	2.4	27
177	Fully compressed suffix trees. ACM Transactions on Algorithms, 2011, 7, 1-34.	0.9	39
178	STRONGER QUICKHEAPS. International Journal of Foundations of Computer Science, 2011, 22, 945-969.	0.8	1
179	Compressed String Dictionaries. Lecture Notes in Computer Science, 2011, , 136-147.	1.0	24
180	Practical Compressed Document Retrieval. Lecture Notes in Computer Science, 2011, , 193-205.	1.0	24

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181	Self-indexing Based on LZ77. Lecture Notes in Computer Science, 2011, , 41-54.	1.0	40
182	Alphabet-Independent Compressed Text Indexing. Lecture Notes in Computer Science, 2011, , 748-759.	1.0	21
183	Improved Compressed Indexes for Full-Text Document Retrieval. Lecture Notes in Computer Science, 2011, , 386-397.	1.0	8
184	Space-Efficient Data-Analysis Queries on Grids. Lecture Notes in Computer Science, 2011, , 323-332.	1.0	7
185	Fundamentals of the problem. SIGSPATIAL Special, 2010, 2, 2-7.	2.5	0
186	On Sorting, Heaps, and Minimum Spanning Trees. Algorithmica, 2010, 57, 585-620.	1.0	10
187	Fully-Functional Succinct Trees. , 2010, , .		65
188	Dynamic lightweight text compression. ACM Transactions on Information Systems, 2010, 28, 1-32.	3.8	23
189	LZ77-Like Compression with Fast Random Access. , 2010, , .		51
190	Succinct Trees in Practice. , 2010, , 84-97.		55
191	Practical approaches to reduce the space requirement of lempel-ziv--based compressed text indices. Journal of Experimental Algorithmics, 2010, 15, .	0.7	2
192	Fast and Compact Web Graph Representations. ACM Transactions on the Web, 2010, 4, 1-31.	2.0	66
193	A New Searchable Variable-to-Variable Compressor. , 2010, , .		4
194	Fast in-memory XPath search using compressed indexes. , 2010, , .		21
195	Storage and Retrieval of Highly Repetitive Sequence Collections. Journal of Computational Biology, 2010, 17, 281-308.	0.8	160
196	Compressed q-Gram Indexing for Highly Repetitive Biological Sequences. , 2010, , .		28
197	Compact Rich-Functional Binary Relation Representations. Lecture Notes in Computer Science, 2010, , 170-183.	1.0	17
198	Extended Compact Web Graph Representations. Lecture Notes in Computer Science, 2010, , 77-91.	1.0	26

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199	A Fun Application of Compact Data Structures to Indexing Geographic Data. Lecture Notes in Computer Science, 2010, , 77-88.	1.0	10
200	Practical Compressed Suffix Trees. Lecture Notes in Computer Science, 2010, , 94-105.	1.0	39
201	Top-k Ranked Document Search in General Text Databases. Lecture Notes in Computer Science, 2010, , 194-205.	1.0	40
202	Dual-Sorted Inverted Lists. Lecture Notes in Computer Science, 2010, , 309-321.	1.0	25
203	Colored Range Queries and Document Retrieval. Lecture Notes in Computer Science, 2010, , 67-81.	1.0	26
204	Range Queries over a Compact Representation of Minimum Bounding Rectangles. Lecture Notes in Computer Science, 2010, , 33-42.	1.0	2
205	Alphabet Partitioning for Compressed Rank/Select and Applications. Lecture Notes in Computer Science, 2010, , 315-326.	1.0	33
206	Fast and Compact Prefix Codes. Lecture Notes in Computer Science, 2010, , 419-427.	1.0	5
207	Approximate String Matching with Compressed Indexes. Algorithms, 2009, 2, 1105-1136.	1.2	25
208	Implementing the LZ-index. Journal of Experimental Algorithmics, 2009, 13, .	0.7	14
209	Compressed text indexes. Journal of Experimental Algorithmics, 2009, 13, .	0.7	84
210	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
211	Rank/select on dynamic compressed sequences and applications. Theoretical Computer Science, 2009, 410, 4414-4422.	0.5	28
212	Faster entropy-bounded compressed suffix trees. Theoretical Computer Science, 2009, 410, 5354-5364.	0.5	80
213	Speeding up spatial approximation search in metric spaces. Journal of Experimental Algorithmics, 2009, 14, .	0.7	11
214	EGNAT: A Fully Dynamic Metric Access Method for Secondary Memory. , 2009, , .		8
215	Analyzing Metric Space Indexes: What For?. , 2009, , .		22
216	Dynamic Spatial Approximation Trees for Massive Data. , 2009, , .		19

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217	Directly Addressable Variable-Length Codes. Lecture Notes in Computer Science, 2009, , 122-130.	1.0	24
218	Indexing Variable Length Substrings for Exact and Approximate Matching. Lecture Notes in Computer Science, 2009, , 214-221.	1.0	7
219	k2-TreesÂforÂCompactÂWebÂGraphÂRepresentation. Lecture Notes in Computer Science, 2009, , 18-30.	1.0	75
220	A Compressed Self-indexed Representation of XML Documents. Lecture Notes in Computer Science, 2009, , 273-284.	1.0	5
221	A New Point Access Method Based on Wavelet Trees. Lecture Notes in Computer Science, 2009, , 297-306.	1.0	7
222	Text Index Compression. , 2009, , 3051-3055.		0
223	Managing Compressed Structured Text. , 2009, , 1679-1684.		0
224	New adaptive compressors for natural language text. Software - Practice and Experience, 2008, 38, 1429-1450.	2.5	9
225	Effective Proximity Retrieval by Ordering Permutations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1647-1658.	9.7	149
226	Word-Based Statistical Compressors as Natural Language Compression Boosters. Proceedings of the Data Compression Conference, 2008, , .	0.0	9
227	On Self-Indexing Images - Image Compression with Added Value. Proceedings of the Data Compression Conference, 2008, , .	0.0	3
228	Re-pair Achieves High-Order Entropy. Proceedings of the Data Compression Conference, 2008, , .	0.0	12
229	Dynamic spatial approximation trees. Journal of Experimental Algorithmics, 2008, 12, 1-68.	0.7	31
230	Dynamic entropy-compressed sequences and full-text indexes. ACM Transactions on Algorithms, 2008, 4, 1-38.	0.9	76
231	Reorganizing compressed text. , 2008, , .		29
232	An(other) Entropy-Bounded Compressed Suffix Tree. , 2008, , 152-165.		15
233	Self-indexing Natural Language. Lecture Notes in Computer Science, 2008, , 121-132.	1.0	11
234	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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235	Practical Rank/Select Queries over Arbitrary Sequences. Lecture Notes in Computer Science, 2008, , 176-187.	1.0	94
236	Compressed Text Indexing. , 2008, , 176-178.		0
237	Sequential Approximate String Matching. , 2008, , 818-820.		0
238	Approximate Regular Expression Matching. , 2008, , 46-48.		1
239	Speeding Up Pattern Matching by Text Sampling. Lecture Notes in Computer Science, 2008, , 87-98.	1.0	2
240	Indexed Hierarchical Approximate String Matching. Lecture Notes in Computer Science, 2008, , 144-154.	1.0	1
241	A Lempel-Ziv Text Index on Secondary Storage. Lecture Notes in Computer Science, 2007, , 83-94.	1.0	10
242	Compressed representations of sequences and full-text indexes. ACM Transactions on Algorithms, 2007, 3, 20.	0.9	271
243	Compressed full-text indexes. ACM Computing Surveys, 2007, 39, 2.	16.1	545
244	Lempel-Ziv compression of highly structured documents. Journal of the Association for Information Science and Technology, 2007, 58, 461-478.	2.6	7
245	Rank and select revisited and extended. Theoretical Computer Science, 2007, 387, 332-347.	0.5	122
246	t-Spanners for metric space searching. Data and Knowledge Engineering, 2007, 63, 820-854.	2.1	6
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