

# Gonzalo Navarro

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

335  
papers

8,519  
citations

39  
h-index

81  
g-index

375  
ext. papers

10,301  
ext. citations

1.7  
avg, IF

6.79  
L-index

#	Paper	IF	Citations
335	A guided tour to approximate string matching. <i>ACM Computing Surveys</i> , <b>2001</b> , 33, 31-88	13.4	1297
334	Searching in metric spaces. <i>ACM Computing Surveys</i> , <b>2001</b> , 33, 273-321	13.4	726
333	Compressed full-text indexes. <i>ACM Computing Surveys</i> , <b>2007</b> , 39, 2	13.4	411
332	Compressed representations of sequences and full-text indexes. <i>ACM Transactions on Algorithms</i> , <b>2007</b> , 3, 20	1.2	207
331	Flexible Pattern Matching in Strings: Practical On-Line Search Algorithms for Texts and Biological Sequences <b>2002</b> ,		194
330	Fast and flexible word searching on compressed text. <i>ACM Transactions on Information Systems</i> , <b>2000</b> , 18, 113-139	4.8	144
329	Pivot selection techniques for proximity searching in metric spaces. <i>Pattern Recognition Letters</i> , <b>2003</b> , 24, 2357-2366	4.7	132
328	Effective proximity retrieval by ordering permutations. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2008</b> , 30, 1647-58	13.3	131
327	Searching in metric spaces by spatial approximation. <i>VLDB Journal</i> , <b>2002</b> , 11, 28-46	3.9	127
326	Storage and retrieval of highly repetitive sequence collections. <i>Journal of Computational Biology</i> , <b>2010</b> , 17, 281-308	1.7	121
325	A compact space decomposition for effective metric indexing. <i>Pattern Recognition Letters</i> , <b>2005</b> , 26, 1362-1376	1.7	102
324	Rank and select revisited and extended. <i>Theoretical Computer Science</i> , <b>2007</b> , 387, 332-347	1.1	88
323	Compact Data Structures: A Practical Approach <b>2016</b> ,		87
322	On compressing and indexing repetitive sequences. <i>Theoretical Computer Science</i> , <b>2013</b> , 483, 115-133	1.1	83
321	Fully Functional Static and Dynamic Succinct Trees. <i>ACM Transactions on Algorithms</i> , <b>2014</b> , 10, 1-39	1.2	80
320	Compact representation of Web graphs with extended functionality. <i>Information Systems</i> , <b>2014</b> , 39, 152-174	1.74	75
319	Proximal nodes. <i>ACM Transactions on Information Systems</i> , <b>1997</b> , 15, 400-435	4.8	72

318	Compression: a key for next-generation text retrieval systems. <i>Computer</i> , <b>2000</b> , 33, 37-44	1.6	72
317	Indexing text using the Ziv-Lempel trie. <i>Journal of Discrete Algorithms</i> , <b>2004</b> , 2, 87-114		69
316	Fast and flexible string matching by combining bit-parallelism and suffix automata. <i>Journal of Experimental Algorithmics</i> , <b>2000</b> , 5, 4	1.1	67
315	New algorithms on wavelet trees and applications to information retrieval. <i>Theoretical Computer Science</i> , <b>2012</b> , 426-427, 25-41	1.1	66
314	Faster entropy-bounded compressed suffix trees. <i>Theoretical Computer Science</i> , <b>2009</b> , 410, 5354-5364	1.1	64
313	Wavelet trees for all. <i>Journal of Discrete Algorithms</i> , <b>2014</b> , 25, 2-20		61
312	DACs: Bringing direct access to variable-length codes. <i>Information Processing and Management</i> , <b>2013</b> , 49, 392-404	6.3	61
311	Fully-Functional Succinct Trees <b>2010</b> ,		61
310	Compressed text indexes. <i>Journal of Experimental Algorithmics</i> , <b>2009</b> , 13,	1.1	60
309	Adding Compression to Block Addressing Inverted Indexes. <i>Information Retrieval</i> , <b>2000</b> , 3, 49-77	1.8	59
308	NR-grep: a fast and flexible pattern-matching tool. <i>Software - Practice and Experience</i> , <b>2001</b> , 31, 1265-1312	1.5	58
307	Practical Rank/Select Queries over Arbitrary Sequences. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 176-187	1.9	57
306	Dynamic entropy-compressed sequences and full-text indexes. <i>ACM Transactions on Algorithms</i> , <b>2008</b> , 4, 1-38	1.2	54
305	Integrating contents and structure in text retrieval. <i>SIGMOD Record</i> , <b>1996</b> , 25, 67-79	1.1	52
304	Fast and Compact Web Graph Representations. <i>ACM Transactions on the Web</i> , <b>2010</b> , 4, 1-31	3.2	50
303	Lightweight natural language text compression. <i>Information Retrieval</i> , <b>2006</b> , 10, 1-33	1.8	49
302	k2-Trees for Compact Web Graph Representation. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 18-30	0.9	48
301	Fast and simple character classes and bounded gaps pattern matching, with applications to protein searching. <i>Journal of Computational Biology</i> , <b>2003</b> , 10, 903-23	1.7	45

300	Succinct Trees in Practice <b>2010</b> , 84-97		43
299	An Alphabet-Friendly FM-Index. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 150-160	0.9	41
298	A bit-parallel approach to suffix automata: Fast extended string matching. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 14-33	0.9	41
297	Fixed Queries Array: A Fast and Economical Data Structure for Proximity Searching. <i>Multimedia Tools and Applications</i> , <b>2001</b> , 14, 113-135	2.5	40
296	Probabilistic proximity search: Fighting the curse of dimensionality in metric spaces. <i>Information Processing Letters</i> , <b>2003</b> , 85, 39-46	0.8	39
295	Spaces, Trees, and Colors. <i>ACM Computing Surveys</i> , <b>2014</b> , 46, 1-47	13.4	38
294	Fully Functional Suffix Trees and Optimal Text Searching in BWT-Runs Bounded Space. <i>Journal of the ACM</i> , <b>2020</b> , 67, 1-54	2	37
293	The wavelet matrix: An efficient wavelet tree for large alphabets. <i>Information Systems</i> , <b>2015</b> , 47, 15-32	2.7	35
292	Compressed Text Indexes with Fast Locate. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 216-227	0.9	35
291	Optimal Lower and Upper Bounds for Representing Sequences. <i>ACM Transactions on Algorithms</i> , <b>2015</b> , 11, 1-21	1.2	34
290	Self-Indexed Grammar-Based Compression. <i>Fundamenta Informaticae</i> , <b>2011</b> , 111, 313-337	1	34
289	Block addressing indices for approximate text retrieval <b>2000</b> , 51, 69-82		34
288	Improved approximate pattern matching on hypertext. <i>Theoretical Computer Science</i> , <b>2000</b> , 237, 455-463	1.1	34
287	Word-based self-indexes for natural language text. <i>ACM Transactions on Information Systems</i> , <b>2012</b> , 30, 1-34	4.8	32
286	Fully compressed suffix trees. <i>ACM Transactions on Algorithms</i> , <b>2011</b> , 7, 1-34	1.2	32
285	Self-indexing Based on LZ77. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 41-54	0.9	32
284	Improved compressed indexes for full-text document retrieval. <i>Journal of Discrete Algorithms</i> , <b>2013</b> , 18, 3-13		30
283	Compressed vertical partitioning for efficient RDF management. <i>Knowledge and Information Systems</i> , <b>2015</b> , 44, 439-474	2.4	30

282	LZ77-Like Compression with Fast Random Access <b>2010</b> ,		30
281	(S,C)-Dense Coding: An Optimized Compression Code for Natural Language Text Databases. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 122-136	0.9	30
280	Top-k Document Retrieval in Optimal Time and Linear Space <b>2012</b> ,		30
279	Practical compressed string dictionaries. <i>Information Systems</i> , <b>2016</b> , 56, 73-108	2.7	29
278	Very fast and simple approximate string matching. <i>Information Processing Letters</i> , <b>1999</b> , 72, 65-70	0.8	29
277	Top-k Ranked Document Search in General Text Databases. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 194-205	0.9	28
276	Improved Grammar-Based Compressed Indexes. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 180-192	0.9	28
275	Position-Restricted Substring Searching. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 703-714	0.9	28
274	Compressed representations for web and social graphs. <i>Knowledge and Information Systems</i> , <b>2014</b> , 40, 279-313	2.4	27
273	Stronger Lempel-Ziv Based Compressed Text Indexing. <i>Algorithmica</i> , <b>2012</b> , 62, 54-101	0.9	27
272	Alphabet Partitioning for Compressed Rank/Select and Applications. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 315-326	0.9	27
271	Space-efficient data-analysis queries on grids. <i>Theoretical Computer Science</i> , <b>2013</b> , 482, 60-72	1.1	26
270	Efficient Fully-Compressed Sequence Representations. <i>Algorithmica</i> , <b>2014</b> , 69, 232-268	0.9	26
269	On NFA Reductions. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 112-124	0.9	26
268	Transposition invariant string matching. <i>Journal of Algorithms</i> , <b>2005</b> , 56, 124-153		26
267	Practical Construction of k-Nearest Neighbor Graphs in Metric Spaces. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 85-97	0.9	26
266	New Techniques for Regular Expression Searching. <i>Algorithmica</i> , <b>2005</b> , 41, 89-116	0.9	25
265	An Efficient Compression Code for Text Databases. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 468-481	0.9	25

264	Optimal-Time Text Indexing in BWT-runs Bounded Space <b>2018</b> , 1459-1477		24
263	Optimal Dynamic Sequence Representations. <i>SIAM Journal on Computing</i> , <b>2014</b> , 43, 1781-1806	1.1	24
262	Alphabet-Independent Compressed Text Indexing. <i>ACM Transactions on Algorithms</i> , <b>2014</b> , 10, 1-19	1.2	24
261	Compressed q-Gram Indexing for Highly Repetitive Biological Sequences <b>2010</b> ,		24
260	Fast searching on compressed text allowing errors <b>1998</b> ,		24
259	Run-Length Compressed Indexes Are Superior for Highly Repetitive Sequence Collections. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 164-175	0.9	24
258	Wavelet Trees for All. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 2-26	0.9	24
257	Indexing Text with Approximate q-Grams. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 350-363	0.9	24
256	Succinct nearest neighbor search. <i>Information Systems</i> , <b>2013</b> , 38, 1019-1030	2.7	23
255	Approximate String Matching with Compressed Indexes. <i>Algorithms</i> , <b>2009</b> , 2, 1105-1136	1.8	23
254	Fully dynamic metric access methods based on hyperplane partitioning. <i>Information Systems</i> , <b>2011</b> , 36, 734-747	2.7	23
253	Average complexity of exact and approximate multiple string matching. <i>Theoretical Computer Science</i> , <b>2004</b> , 321, 283-290	1.1	23
252	Boyer-Moore String Matching over Ziv-Lempel Compressed Text. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 166-180	0.9	23
251	Near neighbor searching with K nearest references. <i>Information Systems</i> , <b>2015</b> , 51, 43-61	2.7	22
250	Practical Compressed Suffix Trees. <i>Algorithms</i> , <b>2013</b> , 6, 319-351	1.8	22
249	Dynamic spatial approximation trees. <i>Journal of Experimental Algorithmics</i> , <b>2008</b> , 12, 1-68	1.1	22
248	Rank/select on dynamic compressed sequences and applications. <i>Theoretical Computer Science</i> , <b>2009</b> , 410, 4414-4422	1.1	21
247	Fast approximate string matching in a dictionary		21

246	Statistical Encoding of Succinct Data Structures. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 294-305	0.9	21
245	Reorganizing compressed text <b>2008</b> ,		20
244	Probabilistic proximity searching algorithms based on compact partitions. <i>Journal of Discrete Algorithms</i> , <b>2004</b> , 2, 115-134		20
243	Extended Compact Web Graph Representations. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 77-91	0.9	20
242	Indexing Highly Repetitive Collections. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 274-279	0.9	20
241	Analyzing Metric Space Indexes: What For? <b>2009</b> ,		19
240	Average-optimal single and multiple approximate string matching. <i>Journal of Experimental Algorithmics</i> , <b>2004</b> , 9,	1.1	19
239	Succinct Suffix Arrays Based on Run-Length Encoding. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 45-56	0.9	19
238	Compact Queriable Representations of Raster Data. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 96-108	0.9	19
237	Directly Addressable Variable-Length Codes. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 122-130	0.9	19
236	Colored Range Queries and Document Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 67-81	0.9	19
235	Alphabet-Independent Compressed Text Indexing. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 748-759	0.9	19
234	Universal compressed text indexing. <i>Theoretical Computer Science</i> , <b>2019</b> , 762, 41-50	1.1	19
233	Colored range queries and document retrieval. <i>Theoretical Computer Science</i> , <b>2013</b> , 483, 36-50	1.1	18
232	Implicit indexing of natural language text by reorganizing bytecodes. <i>Information Retrieval</i> , <b>2012</b> , 15, 527-557	1.8	18
231	Bit-Parallel Witnesses and Their Applications to Approximate String Matching. <i>Algorithmica</i> , <b>2005</b> , 41, 203-231	0.9	18
230	Compressed String Dictionaries. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 136-147	0.9	18
229	Practical Compressed Document Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 193-205	0.9	18

228	Sorted Range Reporting. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 271-282	0.9	18
227	Universal indexes for highly repetitive document collections. <i>Information Systems</i> , <b>2016</b> , 61, 1-23	2.7	18
226	Compact binary relation representations with rich functionality. <i>Information and Computation</i> , <b>2013</b> , 232, 19-37	0.8	17
225	Faster and smaller inverted indices with treaps <b>2013</b> ,		17
224	Dynamic lightweight text compression. <i>ACM Transactions on Information Systems</i> , <b>2010</b> , 28, 1-32	4.8	17
223	Bounding the Expected Length of Longest Common Subsequences and Forests. <i>Theory of Computing Systems</i> , <b>1999</b> , 32, 435-452	0.6	17
222	Proximity Searching in High Dimensional Spaces with a Proximity Preserving Order. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 405-414	0.9	17
221	On the Least Cost for Proximity Searching in Metric Spaces. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 279-290	0.9	17
220	Fast in-memory XPath search using compressed indexes <b>2010</b> ,		16
219	Approximate string matching on ZivLempel compressed text. <i>Journal of Discrete Algorithms</i> , <b>2003</b> , 1, 313-338		16
218	A Fast and Compact Web Graph Representation <b>2007</b> , 118-129		16
217	Self-indexed Text Compression Using Straight-Line Programs. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 235-246	0.9	16
216	New Lower and Upper Bounds for Representing Sequences. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 181-192	0.9	16
215	Faster Bit-Parallel Approximate String Matching. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 203-224	0.9	16
214	A New Indexing Method for Approximate String Matching. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 163-185	0.9	16
213	Space-efficient representations of rectangle datasets supporting orthogonal range querying. <i>Information Systems</i> , <b>2013</b> , 38, 635-655	2.7	15
212	Maximum-weight planar boxes in $O(n^2)$ time (and better). <i>Information Processing Letters</i> , <b>2014</b> , 114, 437-445	4.8	15
211	Dynamic Spatial Approximation Trees for Massive Data <b>2009</b> ,		15



210	New and faster filters for multiple approximate string matching. <i>Random Structures and Algorithms</i> , <b>2002</b> , 20, 23-49	0.8	15
209	Practical Compressed Suffix Trees. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 94-105	0.9	15
208	Dual-Sorted Inverted Lists. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 309-321	0.9	15
207	The Wavelet Matrix. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 167-179	0.9	15
206	Reducing the Space Requirement of LZ-Index. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 318-329	0.9	15
205	Optimal Exact and Fast Approximate Two Dimensional Pattern Matching Allowing Rotations. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 235-248	0.9	15
204	String matching with alphabet sampling. <i>Journal of Discrete Algorithms</i> , <b>2012</b> , 11, 37-50		14
203	Faster Compact Top-k Document Retrieval <b>2013</b> ,		14
202	Space-efficient construction of Lempel-Ziv compressed text indexes. <i>Information and Computation</i> , <b>2011</b> , 209, 1070-1102	0.8	14
201	LZgrep: a Boyer-Moore string matching tool for Ziv-Lempel compressed text. <i>Software - Practice and Experience</i> , <b>2005</b> , 35, 1107-1130	2.5	14
200	Improving an Algorithm for Approximate Pattern Matching. <i>Algorithmica</i> , <b>2001</b> , 30, 473-502	0.9	14
199	An effective clustering algorithm to index high dimensional metric spaces		14
198	A Practical q -Gram Index for Text Retrieval Allowing Errors. <i>CLEI Electronic Journal</i> , <b>1998</b> , 1,	0.6	14
197	Towards a Definitive Measure of Repetitiveness. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 207-219	0.9	14
196	Dynamic Entropy-Compressed Sequences and Full-Text Indexes. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 306-317	0.9	14
195	Approximate String Matching over Ziv-Lempel Compressed Text. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 195-209	0.9	14
194	On compressing permutations and adaptive sorting. <i>Theoretical Computer Science</i> , <b>2013</b> , 513, 109-123	1.1	13
193	A SIMPLE ALPHABET-INDEPENDENT FM-INDEX. <i>International Journal of Foundations of Computer Science</i> , <b>2006</b> , 17, 1365-1384	0.6	13

192	Regular expression searching on compressed text. <i>Journal of Discrete Algorithms</i> , <b>2003</b> , 1, 423-443		13
191	Indexing text with approximate q-grams. <i>Journal of Discrete Algorithms</i> , <b>2005</b> , 3, 157-175		13
190	An(other) Entropy-Bounded Compressed Suffix Tree <b>2008</b> , 152-165		13
189	Optimal-Time Dictionary-Compressed Indexes. <i>ACM Transactions on Algorithms</i> , <b>2021</b> , 17, 1-39	1.2	13
188	A Metric Index for Approximate String Matching. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 181-195	0.9	13
187	GraCT: A Grammar-based Compressed Index for Trajectory Data. <i>Information Sciences</i> , <b>2019</b> , 483, 106-135.7		12
186	Matchsimile: A flexible approximate matching tool for searching proper names. <i>Journal of the Association for Information Science and Technology</i> , <b>2003</b> , 54, 3-15		12
185	Increased bit-parallelism for approximate and multiple string matching. <i>Journal of Experimental Algorithmics</i> , <b>2005</b> , 10,	1.1	12
184	Compact Rich-Functional Binary Relation Representations. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 170-183	0.9	12
183	Space-Efficient Top-k Document Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 307-319	0.9	12
182	RePair and All Irreducible Grammars are Upper Bounded by High-Order Empirical Entropy. <i>IEEE Transactions on Information Theory</i> , <b>2019</b> , 65, 3160-3164	2.8	12
181	An empirical evaluation of intrinsic dimension estimators. <i>Information Systems</i> , <b>2017</b> , 64, 206-218	2.7	11
180	A Compact RDF Store Using Suffix Arrays. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 103-115	0.9	11
179	Compressed Dynamic Binary Relations <b>2012</b> ,		11
178	Optimal Dynamic Sequence Representations <b>2013</b> ,		11
177	Re-pair Achieves High-Order Entropy. <i>Proceedings of the Data Compression Conference</i> , <b>2008</b> ,		11
176	XQL and proximal nodes. <i>Journal of the Association for Information Science and Technology</i> , <b>2002</b> , 53, 504-514		11
175	Lempel-Ziv compression of structured text		11

174	Faster approximate string matching over compressed text		11
173	Advantages of Backward Searching [Efficient Secondary Memory and Distributed Implementation of Compressed Suffix Arrays. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 681-692	0.9	11
172	Better Space Bounds for Parameterized Range Majority and Minority. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 121-132	0.9	11
171	Compressed representation of dynamic binary relations with applications. <i>Information Systems</i> , <b>2017</b> , 69, 106-123	2.7	10
170	Document retrieval on repetitive string collections. <i>Information Retrieval</i> , <b>2017</b> , 20, 253-291	1.8	10
169	New dynamic metric indices for secondary memory. <i>Information Systems</i> , <b>2016</b> , 59, 48-78	2.7	10
168	Faster Compressed Suffix Trees for Repetitive Collections. <i>Journal of Experimental Algorithmics</i> , <b>2016</b> , 21, 1-38	1.1	10
167	Space-Efficient Construction of Compressed Indexes in Deterministic Linear Time <b>2017</b> ,		10
166	Using structural contexts to compress semistructured text collections. <i>Information Processing and Management</i> , <b>2007</b> , 43, 769-790	6.3	10
165	Practical and flexible pattern matching over ZivLempel compressed text. <i>Journal of Discrete Algorithms</i> , <b>2004</b> , 2, 347-371		10
164	Compressed Representation of Web and Social Networks via Dense Subgraphs. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 264-276	0.9	10
163	Document Listing on Repetitive Collections. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 107-119	0.9	10
162	A succinct data structure for self-indexing ternary relations. <i>Journal of Discrete Algorithms</i> , <b>2017</b> , 43, 38-53		9
161	Time-Optimal Top- $k$ Document Retrieval. <i>SIAM Journal on Computing</i> , <b>2017</b> , 46, 80-113	1.1	9
160	New space/time tradeoffs for top-k document retrieval on sequences. <i>Theoretical Computer Science</i> , <b>2014</b> , 542, 83-97	1.1	9
159	LRM-Trees: Compressed indices, adaptive sorting, and compressed permutations. <i>Theoretical Computer Science</i> , <b>2012</b> , 459, 26-41	1.1	9
158	Implementing the LZ-index. <i>Journal of Experimental Algorithmics</i> , <b>2009</b> , 13,	1.1	9
157	Improving the space cost of k-NN search in metric spaces by using distance estimators. <i>Multimedia Tools and Applications</i> , <b>2009</b> , 41, 215-233	2.5	9

156	Rpair: Rescaling RePair with Rsync. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 35-44	0.9	9
155	Self-indexing Natural Language. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 121-132	0.9	9
154	Relative Suffix Trees. <i>Computer Journal</i> , <b>2018</b> , 61, 773-788	1.3	9
153	Locally Compressed Suffix Arrays. <i>Journal of Experimental Algorithmics</i> , <b>2015</b> , 19,	1.1	8
152	Fast in-memory XPath search using compressed indexes. <i>Software - Practice and Experience</i> , <b>2015</b> , 45, 399-434	2.5	8
151	FLEXIBLE MUSIC RETRIEVAL IN SUBLINEAR TIME. <i>International Journal of Foundations of Computer Science</i> , <b>2006</b> , 17, 1345-1364	0.6	8
150	A Lempel-Ziv Text Index on Secondary Storage. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 83-94	0.9	8
149	Improved antidictionary based compression		8
148	Aggregated 2D range queries on clustered points. <i>Information Systems</i> , <b>2016</b> , 60, 34-49	2.7	8
147	Space-Efficient Construction of LZ-Index. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 1143-1152	0.9	8
146	Multiple approximate string matching. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 174-184	0.9	8
145	Improved Range Minimum Queries. <i>Journal of Discrete Algorithms</i> , <b>2017</b> , 43, 72-80		7
144	Distributed text search using suffix arrays. <i>Parallel Computing</i> , <b>2014</b> , 40, 471-495	1	7
143	Speeding up spatial approximation search in metric spaces. <i>Journal of Experimental Algorithmics</i> , <b>2009</b> , 14,	1.1	7
142	Rotation and lighting invariant template matching. <i>Information and Computation</i> , <b>2007</b> , 205, 1096-1113	0.8	7
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140	Efficiently decodable and searchable natural language adaptive compression <b>2005</b> ,		7
139	A Fun Application of Compact Data Structures to Indexing Geographic Data. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 77-88	0.9	7

138	Improved Compressed Indexes for Full-Text Document Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 386-397	0.9	7
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136	Simple and efficient fully-functional succinct trees. <i>Theoretical Computer Science</i> , <b>2016</b> , 656, 135-145	1.1	7
135	An Index for Two Dimensional String Matching Allowing Rotations. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 59-75	0.9	7
134	Fast Regular Expression Search. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 198-212	0.9	7
133	. <i>IEEE Transactions on Information Theory</i> , <b>2015</b> , 61, 4999-5011	2.8	6
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131	Boosting Text Compression with Word-Based Statistical Encoding. <i>Computer Journal</i> , <b>2012</b> , 55, 111-131	1.3	6
130	A metric index for approximate string matching. <i>Theoretical Computer Science</i> , <b>2006</b> , 352, 266-279	1.1	6
129	A Practical Index for Genome Searching. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 341-349	0.9	6
128	Sequential and indexed two-dimensional combinatorial template matching allowing rotations. <i>Theoretical Computer Science</i> , <b>2005</b> , 347, 239-275	1.1	6
127	Searching in metric spaces by spatial approximation		6
126	Protein complex prediction via dense subgraphs and false positive analysis. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183460	1.9	6
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122	Indexing Variable Length Substrings for Exact and Approximate Matching. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 214-221	0.9	6
121	A New Point Access Method Based on Wavelet Trees. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 297-306	0.9	6

120	Encodings for Range Selection and Top-k Queries. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 553-564	0.9	6
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118	Block addressing indices for approximate text retrieval <b>2000</b> , 51, 69		6
117	Document listing on repetitive collections with guaranteed performance. <i>Theoretical Computer Science</i> , <b>2019</b> , 772, 58-72	1.1	5
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107	Worst-Case Optimal Graph Joins in Almost No Space <b>2021</b> ,		5
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94	Pattern Matching. <i>Journal of Applied Statistics</i> , <b>2004</b> , 31, 925-949	1	4
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92	New bounds on D-ary optimal codes. <i>Information Processing Letters</i> , <b>2005</b> , 96, 178-184	0.8	4
91	Indexing Text Using the Ziv-Lempel Trie. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 325-336	0.9	4
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77	Modeling Text Databases <b>2005</b> , 1-25		3
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69	Fast and compact planar embeddings. <i>Computational Geometry: Theory and Applications</i> , <b>2020</b> , 89, 101630	0.4	3
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65	On the reproducibility of experiments of indexing repetitive document collections. <i>Information Systems</i> , <b>2019</b> , 83, 181-194	2.7	2
64	Bottom-k document retrieval. <i>Journal of Discrete Algorithms</i> , <b>2015</b> , 32, 69-74		2
63	Improved Compressed String Dictionaries <b>2019</b> ,		2
62	Improved Single-Term Top-k Document Retrieval <b>2015</b> , 24-32		2
61	Encodings for Range Majority Queries. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 262-272	0.9	2
60	A New Searchable Variable-to-Variable Compressor <b>2010</b> ,		2
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48	Top-k Document Retrieval in Compact Space and Near-Optimal Time. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 394-404	0.9	2
47	Dynamic List of Clusters in Secondary Memory. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 94-105	0.9	2
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38	Inverted Treaps. <i>ACM Transactions on Information Systems</i> , <b>2017</b> , 35, 1-45	4.8	1
37	Path queries on functions. <i>Theoretical Computer Science</i> , <b>2019</b> , 770, 34-50	1.1	1
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35	Grammar compressed sequences with rank/select support. <i>Journal of Discrete Algorithms</i> , <b>2017</b> , 43, 54-71		1
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