

Shmuel T Klein

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6930691/shmuel-t-klein-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

70
papers

689
citations

15
h-index

24
g-index

90
ext. papers

853
ext. citations

1.8
avg, IF

4.13
L-index

#	Paper	IF	Citations
70	Combining Forward Compression with PPM. <i>SN Computer Science</i> , 2022 , 3, 1	2	0
69	Smaller Compressed Suffix Arrays <i>Computer Journal</i> , 2021 , 64, 721-730	1.3	0
68	Integrated encryption in dynamic arithmetic compression. <i>Information and Computation</i> , 2021 , 279, 1046-1118	1.8	1
67	Forward Looking Huffman Coding. <i>Theory of Computing Systems</i> , 2021 , 65, 593-612	0.6	2
66	Optimal skeleton and reduced Huffman trees. <i>Theoretical Computer Science</i> , 2021 , 852, 157-171	1.1	2
65	Approximate Hashing for Bioinformatics. <i>Lecture Notes in Computer Science</i> , 2021 , 178-189	0.9	
64	Backward Weighted Coding 2021 ,		1
63	On the Randomness of Compressed Data. <i>Information (Switzerland)</i> , 2020 , 11, 196	2.6	1
62	2020 ,		4
61	Accelerated partial decoding in wavelet trees. <i>Discrete Applied Mathematics</i> , 2020 , 274, 2-10	1	3
60	Dynamic determination of variable sizes of chunks in a deduplication system. <i>Discrete Applied Mathematics</i> , 2020 , 274, 81-91	1	
59	Context Sensitive Rewriting Codes for Flash Memory <i>Computer Journal</i> , 2019 , 62, 20-29	1.3	3
58	New Approaches for Context Sensitive Flash Codes. <i>Lecture Notes in Computer Science</i> , 2019 , 45-57	0.9	0
57	Selective Dynamic Compression 2019 ,		1
56	A space efficient direct access data structure. <i>Journal of Discrete Algorithms</i> , 2017 , 43, 26-37		9
55	Hierarchical Parallel Evaluation of a Hamming Code. <i>Algorithms</i> , 2017 , 10, 50	1.8	
54	Integrated Encryption in Dynamic Arithmetic Compression. <i>Lecture Notes in Computer Science</i> , 2017 , 143-154	0.9	1

53	Optimal Skeleton Huffman Trees. <i>Lecture Notes in Computer Science</i> , 2017 , 241-253	0.9	1
52	Compressed matching for feature vectors. <i>Theoretical Computer Science</i> , 2016 , 638, 52-62	1.1	5
51	Similarity based deduplication with small data chunks. <i>Discrete Applied Mathematics</i> , 2016 , 212, 10-22	1	6
50	Random access to Fibonacci encoded files. <i>Discrete Applied Mathematics</i> , 2016 , 212, 115-128	1	12
49	Boosting the Compression of Rewriting on Flash Memory 2014 ,		1
48	Layouts for improved hierarchical parallel computations. <i>Journal of Discrete Algorithms</i> , 2014 , 28, 23-30		1
47	Practical fixed length Lempel-Ziv coding. <i>Discrete Applied Mathematics</i> , 2014 , 163, 326-333	1	3
46	Improving deduplication techniques by accelerating remainder calculations. <i>Discrete Applied Mathematics</i> , 2014 , 163, 307-315	1	3
45	A New Approach to Alphabet Extension for Improving Static Compression Schemes. <i>Lecture Notes in Computer Science</i> , 2014 , 197-212	0.9	
44	Improved Alignment-Based Algorithm for Multilingual Text Compression. <i>Mathematics in Computer Science</i> , 2013 , 7, 137-153	0.5	1
43	On the connection between Hamming codes, Heapsort and other methods. <i>Information Processing Letters</i> , 2013 , 113, 617-620	0.8	
42	The String-to-Dictionary Matching Problem. <i>Computer Journal</i> , 2012 , 55, 1347-1356	1.3	
41	Compressed Matching in Dictionaries. <i>Algorithms</i> , 2011 , 4, 61-74	1.8	9
40	On improving Tunstall codes. <i>Information Processing and Management</i> , 2011 , 47, 777-785	6.3	6
39	Huffman Coding with Non-Sorted Frequencies. <i>Mathematics in Computer Science</i> , 2011 , 5, 171-178	0.5	2
38	The String-to-Dictionary Matching Problem 2011 ,		1
37	On the Usefulness of Fibonacci Compression Codes. <i>Computer Journal</i> , 2010 , 53, 701-716	1.3	33
36	The design of a similarity based deduplication system 2009 ,		53

35	On the use of negation in Boolean IR queries. <i>Information Processing and Management</i> , 2009 , 45, 298-316.	1.3	2
34	Accelerating Boyer-Moore searches on binary texts. <i>Theoretical Computer Science</i> , 2009 , 410, 3563-3571	1.1	2
33	Using Fibonacci Compression Codes as Alternatives to Dense Codes. <i>Proceedings of the Data Compression Conference</i> , 2008 ,		5
32	MODELING DELTA ENCODING OF COMPRESSED FILES. <i>International Journal of Foundations of Computer Science</i> , 2008 , 19, 137-146	0.6	1
31	USING ALIGNMENT FOR MULTILINGUAL TEXT COMPRESSION. <i>International Journal of Foundations of Computer Science</i> , 2008 , 19, 89-101	0.6	8
30	Should one always use repeated squaring for modular exponentiation?. <i>Information Processing Letters</i> , 2008 , 106, 232-237	0.8	10
29	Processing queries with metrical constraints in XML-based IR systems. <i>Journal of the Association for Information Science and Technology</i> , 2008 , 59, 86-97		1
28	Compressed Delta Encoding for LZSS Encoded Files 2007 ,		2
27	Searching for a set of correlated patterns. <i>Journal of Discrete Algorithms</i> , 2007 , 5, 149-161		
26	Accelerating Boyer Moore Searches on Binary Texts 2007 , 130-143		8
25	COMPRESSED PATTERN MATCHING IN JPEG IMAGES. <i>International Journal of Foundations of Computer Science</i> , 2006 , 17, 1297-1306	0.6	10
24	Pattern matching in Huffman encoded texts. <i>Information Processing and Management</i> , 2005 , 41, 829-841.	1.3	12
23	Parallel Lempel Ziv coding. <i>Discrete Applied Mathematics</i> , 2005 , 146, 180-191	1	21
22	SEMI-LOSSLESS TEXT COMPRESSION. <i>International Journal of Foundations of Computer Science</i> , 2005 , 16, 1167-1178	0.6	6
21	Parallel Huffman Decoding with Applications to JPEG Files. <i>Computer Journal</i> , 2003 , 46, 487-497	1.3	70
20	Skeleton Trees for the Efficient Decoding of Huffman Encoded Texts. <i>Information Retrieval</i> , 2000 , 3, 7-23.	1.8	16
19	Simple Bayesian Model for Bitmap Compression. <i>Information Retrieval</i> , 2000 , 1, 315-328	1.8	4
18	Improving Static Compression Schemes by Alphabet Extension. <i>Lecture Notes in Computer Science</i> , 2000 , 210-221	0.9	2

17	Information retrieval from annotated texts. <i>Journal of the Association for Information Science and Technology</i> , 1999 , 50, 845-854		5
16	An overhead reduction technique for mega-state compression schemes. <i>Information Processing and Management</i> , 1997 , 33, 745-760	6.3	3
15	Space- and time-efficient decoding with canonical huffman trees. <i>Lecture Notes in Computer Science</i> , 1997 , 65-75	0.9	6
14	Robust universal complete codes for transmission and compression. <i>Discrete Applied Mathematics</i> , 1996 , 64, 31-55	1	53
13	Complexity aspects of guessing prefix codes. <i>Algorithmica</i> , 1994 , 12, 409-419	0.9	15
12	Bounding the Depth of Search Trees. <i>Computer Journal</i> , 1993 , 36, 668-678	1.3	15
11	Is Huffman coding dead? (extended abstract) 1993 ,		3
10	Is Huffman coding dead?. <i>Computing (Vienna/New York)</i> , 1993 , 50, 279-296	2.2	23
9	Models of bitmap generation: A systematic approach to bitmap compression. <i>Information Processing and Management</i> , 1992 , 28, 735-748	6.3	3
8	A systematic approach to compressing a full-text retrieval system. <i>Information Processing and Management</i> , 1992 , 28, 795-806	6.3	16
7	Compression of correlated bit-vectors. <i>Information Systems</i> , 1991 , 16, 387-400	2.7	36
6	Bidirectional Huffman Coding. <i>Computer Journal</i> , 1990 , 33, 296-307	1.3	36
5	Using bitmaps for medium sized information retrieval systems. <i>Information Processing and Management</i> , 1990 , 26, 525-533	6.3	15
4	Compression, information theory, and grammars: a unified approach. <i>ACM Transactions on Information Systems</i> , 1990 , 8, 27-49	4.8	15
3	Storing text retrieval systems on CD-ROM: compression and encryption considerations. <i>ACM Transactions on Information Systems</i> , 1989 , 7, 230-245	4.8	44
2	The number of fixed points of the majority rule. <i>Discrete Mathematics</i> , 1988 , 70, 295-302	0.7	30
1	Novel Compression of Sparse Bit-Strings [Preliminary Report 1985 , 169-183		21