

Kim Skak Larsen

List of Publications by Year in descending order

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81
papers

753
citations

566801

15
h-index

642321

23
g-index

86
all docs

86
docs citations

86
times ranked

211
citing authors

#	ARTICLE	IF	CITATIONS
1	The Seat Reservation Problem. <i>Algorithmica</i> , 1999, 25, 403-417.	1.0	45
2	The Accommodating Function: A Generalization of the Competitive Ratio. <i>SIAM Journal on Computing</i> , 2001, 31, 233-258.	0.8	45
3	The relative worst-order ratio applied to paging. <i>Journal of Computer and System Sciences</i> , 2007, 73, 818-843.	0.9	44
4	Online Algorithms with Advice. <i>ACM Computing Surveys</i> , 2018, 50, 1-34.	16.1	33
5	Fully abstract models for a process language with refinement. <i>Lecture Notes in Computer Science</i> , 1989, , 523-548.	1.0	31
6	Efficient rebalancing of chromatic search trees. <i>Journal of Computer and System Sciences</i> , 1994, 49, 667-682.	0.9	30
7	Online Bin Packing with Advice. <i>Algorithmica</i> , 2016, 74, 507-527.	1.0	29
8	Online Algorithms with Advice: A Survey. <i>ACM SIGACT News</i> , 2016, 47, 93-129.	0.1	25
9	Amortization Results for Chromatic Search Trees, with an Application to Priority Queues. <i>Journal of Computer and System Sciences</i> , 1997, 55, 504-521.	0.9	23
10	Fair versus Unrestricted Bin Packing. <i>Algorithmica</i> , 2002, 34, 181-196.	1.0	19
11	Competitive analysis of the online inventory problem. <i>European Journal of Operational Research</i> , 2010, 207, 685-696.	3.5	19
12	The maximum resource bin packing problem. <i>Theoretical Computer Science</i> , 2006, 362, 127-139.	0.5	18
13	EFFICIENT REBALANCING OF B-TREES WITH RELAXED BALANCE. <i>International Journal of Foundations of Computer Science</i> , 1996, 07, 169-186.	0.8	17
14	Amortized constant relaxed rebalancing using standard rotations. <i>Acta Informatica</i> , 1998, 35, 859-874.	0.5	16
15	Extending the accommodating function. <i>Acta Informatica</i> , 2003, 40, 3-35.	0.5	16
16	The Frequent Items Problem in Online Streaming Under Various Performance Measures. <i>International Journal of Foundations of Computer Science</i> , 2015, 26, 413-439.	0.8	16
17	A Comparison of Performance Measures for Online Algorithms. <i>Algorithmica</i> , 2015, 72, 969-994.	1.0	14
18	A Comparison of Performance Measures for Online Algorithms. <i>Lecture Notes in Computer Science</i> , 2009, , 119-130.	1.0	14

#	ARTICLE	IF	CITATIONS
19	Priority algorithms for graph optimization problems. Theoretical Computer Science, 2010, 411, 239-258.	0.5	13
20	Better bounds on online unit clustering. Theoretical Computer Science, 2013, 500, 1-24.	0.5	13
21	Relaxed balance through standard rotations. Lecture Notes in Computer Science, 1997, , 450-461.	1.0	13
22	AVL Trees with Relaxed Balance. Journal of Computer and System Sciences, 2000, 61, 508-522.	0.9	12
23	Tight Bounds on the Competitive Ratio on Accommodating Sequences for the Seat Reservation Problem. Journal of Scheduling, 2003, 6, 131-147.	1.3	12
24	A theoretical comparison of LRU and LRU-K. Acta Informatica, 2010, 47, 359-374.	0.5	11
25	List Factoring and Relative Worst Order Analysis. Algorithmica, 2013, 66, 287-309.	1.0	11
26	Access Graphs Results for LRU versus FIFO under Relative Worst Order Analysis. Lecture Notes in Computer Science, 2012, , 328-339.	1.0	11
27	The Paths to Choreography Extraction. Lecture Notes in Computer Science, 2017, , 424-440.	1.0	11
28	A comparison of performance measures via online search. Theoretical Computer Science, 2014, 532, 2-13.	0.5	10
29	On the List Update Problem with Advice. Lecture Notes in Computer Science, 2014, , 210-221.	1.0	10
30	Dynamic TCP acknowledgment in the LogP model. Journal of Algorithms, 2003, 48, 407-428.	0.9	9
31	Online bin covering: Expectations vs. guarantees. Theoretical Computer Science, 2014, 556, 71-84.	0.5	9
32	Theoretical Evidence for the Superiority of LRU-2 over LRU for the Paging Problem. Lecture Notes in Computer Science, 2007, , 95-107.	1.0	9
33	On the existence and construction of non-extreme (a,b)-trees. Information Processing Letters, 2002, 84, 69-73.	0.4	8
34	Relaxed balance for search trees with local rebalancing. Acta Informatica, 2001, 37, 743-763.	0.5	7
35	Online Dominating Set. Algorithmica, 2019, 81, 1938-1964.	1.0	6
36	Packet Bundling. Lecture Notes in Computer Science, 2002, , 328-337.	1.0	6

#	ARTICLE	IF	CITATIONS
37	Amortization results for chromatic search trees, with an application to priority queues. Lecture Notes in Computer Science, 1995, , 270-281.	1.0	6
38	ON-LINE SEAT RESERVATIONS VIA OFF-LINE SEATING ARRANGEMENTS. International Journal of Foundations of Computer Science, 2005, 16, 381-397.	0.8	5
39	Online multi-coloring on the path revisited. Acta Informatica, 2013, 50, 343-357.	0.5	5
40	Online Bounded Analysis. Lecture Notes in Computer Science, 2016, , 131-145.	1.0	5
41	Relaxing the Irrevocability Requirement for Online Graph Algorithms. Lecture Notes in Computer Science, 2017, , 217-228.	1.0	5
42	A new formalism for relational algebra. Information Processing Letters, 1992, 41, 163-168.	0.4	4
43	ON GROUPING IN RELATIONAL ALGEBRA. International Journal of Foundations of Computer Science, 1999, 10, 301-311.	0.8	4
44	Relaxed Balance Using Standard Rotations. Algorithmica, 2001, 31, 501-512.	1.0	4
45	VARIANTS OF (A,B)-TREES WITH RELAXED BALANCE. International Journal of Foundations of Computer Science, 2001, 12, 455-478.	0.8	4
46	Relaxed multi-way trees with group updates. Journal of Computer and System Sciences, 2003, 66, 657-670.	0.9	4
47	Relative Interval Analysis of Paging Algorithms on Access Graphs. Lecture Notes in Computer Science, 2013, , 195-206.	1.0	4
48	Relaxed red-black trees with group updates. Acta Informatica, 2002, 38, 565-586.	0.5	3
49	Online multi-coloring with advice. Theoretical Computer Science, 2015, 596, 79-91.	0.5	3
50	Relative interval analysis of paging algorithms on access graphs. Theoretical Computer Science, 2015, 568, 28-48.	0.5	3
51	Formally Proving Size Optimality of Sorting Networks. Journal of Automated Reasoning, 2017, 59, 425-454.	1.1	3
52	On the list update problem with advice. Information and Computation, 2017, 253, 411-423.	0.5	3
53	Online-bounded analysis. Journal of Scheduling, 2018, 21, 429-441.	1.3	3
54	Extending the Accommodating Function. Lecture Notes in Computer Science, 2002, , 87-96.	1.0	3

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55	Heuristic Variants of A* Search for 3D Flight Planning. Lecture Notes in Computer Science, 2018, , 361-376.	1.0	3
56	Relaxed balance for search trees with local rebalancing. Lecture Notes in Computer Science, 1997, , 350-363.	1.0	3
57	Relaxing the Irrevocability Requirement for Online Graph Algorithms. Algorithmica, 2022, 84, 1916-1951.	1.0	3
58	Batch Coloring of Graphs. Algorithmica, 2018, 80, 3293-3315.	1.0	2
59	Advice Complexity of Priority Algorithms. Theory of Computing Systems, 2020, 64, 593-625.	0.7	2
60	Relative Worst-order Analysis. ACM Computing Surveys, 2021, 54, 1-21.	16.1	2
61	Constraint Handling in Flight Planning. Lecture Notes in Computer Science, 2017, , 354-369.	1.0	2
62	Complexity of Layered Binary Search Trees with Relaxed Balance. Lecture Notes in Computer Science, 2001, , 269-284.	1.0	2
63	Online Multi-Coloring with Advice. Lecture Notes in Computer Science, 2015, , 83-94.	1.0	2
64	Bounds on certain multiplications of affine combinations. Discrete Applied Mathematics, 1994, 52, 155-167.	0.5	1
65	A TECHNIQUE FOR EXACT COMPUTATION OF PRECOLORING EXTENSION ON INTERVAL GRAPHS. International Journal of Foundations of Computer Science, 2013, 24, 109-122.	0.8	1
66	Soccer is Harder Than Football. International Journal of Foundations of Computer Science, 2015, 26, 477-486.	0.8	1
67	DNA-Templated Synthesis Optimization. Lecture Notes in Computer Science, 2017, , 17-32.	1.0	1
68	Online Bin Covering with Advice. Algorithmica, 2021, 83, 795-821.	1.0	1
69	Exponentially Decreasing Number of Operations in Balanced Trees. Lecture Notes in Computer Science, 2001, , 293-311.	1.0	1
70	Online Seat Reservations via Offline Seating Arrangements. Lecture Notes in Computer Science, 2003, , 174-185.	1.0	1
71	The Frequent Items Problem in Online Streaming under Various Performance Measures. Lecture Notes in Computer Science, 2013, , 60-71.	1.0	1
72	Online Bin Covering: Expectations vs. Guarantees. Lecture Notes in Computer Science, 2013, , 226-237.	1.0	1

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73	Batch Coloring of Graphs. Lecture Notes in Computer Science, 2017, , 52-64.	1.0	1
74	Online Bin Covering with Advice. Lecture Notes in Computer Science, 2019, , 225-238.	1.0	1
75	Injectivity of Composite Functions. Journal of Symbolic Computation, 1994, 17, 393-408.	0.5	0
76	Partially persistent search trees with transcript operations. Lecture Notes in Computer Science, 1998, , 309-319.	1.0	0
77	Exponentially decreasing number of operations in balanced trees. Acta Informatica, 2005, 42, 57-78.	0.5	0
78	DNA-templated synthesis optimization. Natural Computing, 2018, 17, 693-707.	1.8	0
79	Search Trees with Relaxed Balance and Near-Optimal Height. Lecture Notes in Computer Science, 2001, , 414-425.	1.0	0
80	How to Get More Out of Your Oracles. Lecture Notes in Computer Science, 2017, , 164-170.	1.0	0
81	Relative Worst-Order Analysis: A Survey. Lecture Notes in Computer Science, 2018, , 216-230.	1.0	0