

Dekel Tsur

List of Publications by Year in descending order

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65
papers

1,286
citations

567281

15
h-index

377865

34
g-index

68
all docs

68
docs citations

68
times ranked

1143
citing authors

#	ARTICLE	IF	CITATIONS
1	Cluster deletion revisited. Information Processing Letters, 2022, 173, 106171.	0.6	3
2	Faster algorithm for pathwidth one vertex deletion. Theoretical Computer Science, 2022, 921, 63-74.	0.9	3
3	Faster Parameterized Algorithm for Cluster Vertex Deletion. Theory of Computing Systems, 2021, 65, 323-343.	1.1	12
4	An $\hat{O}(n^{\alpha})$ algorithm for 4-Path Vertex Cover. Discrete Applied Mathematics, 2021, 291, 1-14.	0.9	0
5	Algorithms for deletion problems on split graphs. Information Processing Letters, 2021, 167, 106066.	0.6	0
6	Kernel for K-free Edge Deletion. Information Processing Letters, 2021, 167, 106082.	0.6	2
7	Faster parameterized algorithm for Bicliaster Editing. Information Processing Letters, 2021, 168, 106095.	0.6	3
8	Representation of ordered trees with a given degree distribution. Journal of Computer and System Sciences, 2021, 118, 119-130.	1.2	0
9	An FPT algorithm for orthogonal buttons and scissors. Information Processing Letters, 2020, 163, 105997.	0.6	0
10	Faster algorithms for cograph edge modification problems. Information Processing Letters, 2020, 158, 105946.	0.6	2
11	Faster deterministic parameterized algorithm for k-Path. Theoretical Computer Science, 2019, 790, 96-104.	0.9	6
12	The effective entropy of next/previous larger/smaller value queries. Information Processing Letters, 2019, 145, 39-43.	0.6	2
13	Faster parameterized algorithm for pumpkin vertex deletion set. Information Processing Letters, 2019, 147, 74-76.	0.6	5
14	Parameterized algorithm for 3-path vertex cover. Theoretical Computer Science, 2019, 783, 1-8.	0.9	21
15	Succinct data structure for dynamic trees with faster queries. Theoretical Computer Science, 2019, 780, 12-19.	0.9	1
16	On Almost Monge All Scores Matrices. Algorithmica, 2019, 81, 47-68.	1.3	0
17	Succinct data structures for nearest colored node in a tree. Information Processing Letters, 2018, 132, 6-10.	0.6	1
18	Approximate string matching using a bidirectional index. Theoretical Computer Science, 2016, 638, 145-158.	0.9	16

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19	Succinct representation of labeled trees. Theoretical Computer Science, 2015, 562, 320-329.	0.9	6
20	Two-Dimensional Parameterized Matching. ACM Transactions on Algorithms, 2014, 11, 1-30.	1.0	3
21	The Worst Case Complexity of Maximum Parsimony. Journal of Computational Biology, 2014, 21, 799-808.	1.6	1
22	Efficient all path score computations on grid graphs. Theoretical Computer Science, 2014, 525, 138-149.	0.9	2
23	The Worst Case Complexity of Maximum Parsimony. Lecture Notes in Computer Science, 2014, , 79-88.	1.3	0
24	Top-k document retrieval in optimal space. Information Processing Letters, 2013, 113, 440-443.	0.6	16
25	Efficient edit distance with duplications and contractions. Algorithms for Molecular Biology, 2013, 8, 27.	1.2	6
26	Efficient All Path Score Computations on Grid Graphs. Lecture Notes in Computer Science, 2013, , 211-222.	1.3	0
27	Reducing the worst case running times of a family of RNA and CFG problems, using Valiant's approach. Algorithms for Molecular Biology, 2011, 6, 20.	1.2	13
28	Fast RNA structure alignment for crossing input structures. Journal of Discrete Algorithms, 2011, 9, 2-11.	0.7	0
29	Sparse RNA folding: Time and space efficient algorithms. Journal of Discrete Algorithms, 2011, 9, 12-31.	0.7	45
30	Finding witnesses by peeling. ACM Transactions on Algorithms, 2011, 7, 1-15.	1.0	4
31	Edit Distance with Duplications and Contractions Revisited. Lecture Notes in Computer Science, 2011, , 441-454.	1.3	3
32	Sequencing by hybridization in few rounds. Journal of Computer and System Sciences, 2010, 76, 751-758.	1.2	4
33	Fast index for approximate string matching. Journal of Discrete Algorithms, 2010, 8, 339-345.	0.7	16
34	Reducing the Worst Case Running Times of a Family of RNA and CFG Problems, Using Valiant's Approach. Lecture Notes in Computer Science, 2010, , 65-77.	1.3	5
35	Indexing a Dictionary for Subset Matching Queries. Lecture Notes in Computer Science, 2010, , 158-169.	1.3	0
36	Fast algorithms for computing tree LCS. Theoretical Computer Science, 2009, 410, 4303-4314.	0.9	4

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37	Fast RNA Structure Alignment for Crossing Input Structures. Lecture Notes in Computer Science, 2009, , 236-248.	1.3	6
38	Sparse RNA Folding: Time and Space Efficient Algorithms. Lecture Notes in Computer Science, 2009, , 249-262.	1.3	17
39	Generalized LCS. Theoretical Computer Science, 2008, 409, 438-449.	0.9	12
40	Approximate labelled subtree homeomorphism. Journal of Discrete Algorithms, 2008, 6, 480-496.	0.7	12
41	Faster algorithms for guided tree edit distance. Information Processing Letters, 2008, 108, 251-254.	0.6	1
42	Fast Algorithms for Computing Tree LCS. , 2008, , 230-243.		2
43	Protein identification by spectral networks analysis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6140-6145.	7.1	157
44	Testing Properties of Constraint-Graphs. Computational Complexity, IEEE Annual Conference on, 2007, , .	0.0	11
45	Tree-edges deletion problems with bounded diameter obstruction sets. Discrete Applied Mathematics, 2007, 155, 1275-1293.	0.9	1
46	Efficient one-dimensional real scaled matching. Journal of Discrete Algorithms, 2007, 5, 205-211.	0.7	7
47	Character sets of strings. Journal of Discrete Algorithms, 2007, 5, 330-340.	0.7	25
48	Optimal spaced seeds for faster approximate string matching. Journal of Computer and System Sciences, 2007, 73, 1035-1044.	1.2	17
49	Improved algorithms for the random cluster graph model. Random Structures and Algorithms, 2007, 31, 418-449.	1.1	5
50	Improved scheduling in rings. Journal of Parallel and Distributed Computing, 2007, 67, 531-535.	4.1	1
51	Generalized LCS. , 2007, , 50-61.		7
52	Tradeoffs in worst-case equilibria. Theoretical Computer Science, 2006, 361, 200-209.	0.9	56
53	Faster two-dimensional pattern matching with rotations. Theoretical Computer Science, 2006, 368, 196-204.	0.9	23
54	Optimal Probing Patterns for Sequencing by Hybridization. Lecture Notes in Computer Science, 2006, , 366-375.	1.3	3

#	ARTICLE	IF	CITATIONS
55	Identification of post-translational modifications by blind search of mass spectra. Nature Biotechnology, 2005, 23, 1562-1567.	17.5	247
56	Sequencing by hybridization with errors: handling longer sequences. Theoretical Computer Science, 2005, 332, 559-566.	0.9	1
57	Identification of post-translational modifications via blind search of mass-spectra. , 2005, , 157-66.		20
58	Tight Bounds for String Reconstruction Using Substring Queries. Lecture Notes in Computer Science, 2005, , 448-459.	1.3	5
59	Approximate Labelled Subtree Homeomorphism. Lecture Notes in Computer Science, 2004, , 59-73.	1.3	15
60	Cluster graph modification problems. Discrete Applied Mathematics, 2004, 144, 173-182.	0.9	274
61	Efficient One Dimensional Real Scaled Matching. Lecture Notes in Computer Science, 2004, , 1-9.	1.3	4
62	Faster Two Dimensional Pattern Matching with Rotations. Lecture Notes in Computer Science, 2004, , 409-419.	1.3	20
63	Bounds for Resequencing by Hybridization. Lecture Notes in Computer Science, 2003, , 498-511.	1.3	4
64	Large Scale Sequencing by Hybridization. Journal of Computational Biology, 2002, 9, 413-428.	1.6	22
65	Faster Subtree Isomorphism. Journal of Algorithms, 1999, 33, 267-280.	0.9	81