Darren Strash

List of Publications by Year in descending order

40 papers	704 citations	933447 10 h-index	642732 23 g-index
44 all docs	44 docs citations	44 times ranked	565 citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Data Reduction for Nested Dissection. , 2021, , 113-127.		3
2	Boosting Data Reduction for the Maximum Weight Independent Set Problem Using Increasing Transformations. , 2021, , 128-142.		2
3	Engineering Kernelization for Maximum Cut. , 2020, , 27-41.		4
4	WeGotYouCovered: The Winning Solver from the PACE 2019 Challenge, Vertex Cover Track. , 2020, , 1-11.		14
5	Convexity-increasing morphs of planar graphs. Computational Geometry: Theory and Applications, 2019, 84, 69-88.	0.5	6
6	On Romeo and Juliet problems: Minimizing distance-to-sight. Computational Geometry: Theory and Applications, 2019, 84, 12-21.	0.5	2
7	Communication-free massively distributed graph generation. Journal of Parallel and Distributed Computing, 2019, 131, 200-217.	4.1	19
8	Exactly Solving the Maximum Weight Independent Set Problem on Large Real-World Graphs. , 2019, , 144-158.		20
9	Scalable Edge Partitioning. , 2019, , 211-225.		12
10	Scalable Kernelization for Maximum Independent Sets. Journal of Experimental Algorithmics, 2019, 24, 1-22.	1.0	13
11	Graph Partitioning: Formulations and Applications to Big Data. , 2019, , 858-864.		3
12	Efficiently enumerating all maximal cliques with bit-parallelism. Computers and Operations Research, 2018, 92, 37-46.	4.0	19
13	Graph Partitioning: Formulations and Applications to Big Data. , 2018, , 1-7.		12
14	Scalable Kernelization for Maximum Independent Sets. , 2018, , 223-237.		5
15	Practical Minimum Cut Algorithms. , 2018, , 48-61.		2
16	Practical Minimum Cut Algorithms. Journal of Experimental Algorithmics, 2018, 23, 1-22.	1.0	7
17	Communication-Free Massively Distributed Graph Generation. , 2018, , .		18
18	On the complexity of barrier resilience for fat regions and bounded ply. Computational Geometry: Theory and Applications, 2018, 72, 34-51.	0.5	6

#	ARTICLE	IF	CITATIONS
19	Convexity-Increasing Morphs of Planar Graphs. Lecture Notes in Computer Science, 2018, , 318-330.	1.3	2
20	Reconstructing Generalized Staircase Polygons with Uniform Step Length. Journal of Graph Algorithms and Applications, 2018, 22, 431-459.	0.4	0
21	Finding near-optimal independent sets at scale. Journal of Heuristics, 2017, 23, 207-229.	1.4	32
22	Distributed evolutionary k -way node separators. , 2017, , .		3
23	Shared Memory Parallel Subgraph Enumeration. , 2017, , .		8
24	Finding Near-Optimal Independent Sets at Scale. , 2016, , .		14
25	Temporal map labeling. , 2016, , .		9
26	On Minimizing Crossings in Storyline Visualizations. Lecture Notes in Computer Science, 2015, , 192-198.	1.3	9
27	On the Complexity of Barrier Resilience for Fat Regions. Lecture Notes in Computer Science, 2014, , 201-216.	1.3	1
28	Category-based routing in social networks: Membership dimension and the small-world phenomenon. Theoretical Computer Science, 2013, 514, 96-104.	0.9	2
29	Dynamic Planar Point Location with Sub-logarithmic Local Updates. Lecture Notes in Computer Science, 2013, , 499-511.	1.3	5
30	Listing All Maximal Cliques in Large Sparse Real-World Graphs. Journal of Experimental Algorithmics, 2013, 18, .	1.0	96
31	Extended dynamic subgraph statistics using <mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd	0.9	12
32	Category-based routing in social networks: Membership dimension and the small-world phenomenon. , 2011, , .		5
33	Listing All Maximal Cliques in Large Sparse Real-World Graphs. Lecture Notes in Computer Science, 2011, , 364-375.	1.3	97
34	Linear-Time Algorithms for Geometric Graphs with Sublinearly Many Edge Crossings. SIAM Journal on Computing, 2010, 39, 3814-3829.	1.0	6
35	Extended Dynamic Subgraph Statistics Using h-Index Parameterized Data Structures. Lecture Notes in Computer Science, 2010, , 128-141.	1.3	6
36	Listing All Maximal Cliques in Sparse Graphs in Near-Optimal Time. Lecture Notes in Computer Science, 2010, , 403-414.	1.3	173

#	ARTICLE	IF	CITATIONS
37	Priority Range Trees. Lecture Notes in Computer Science, 2010, , 97-108.	1.3	0
38	Linear-Time Algorithms for Geometric Graphs with Sublinearly Many Crossings. , 2009, , .		1
39	Succinct Greedy Geometric Routing in the Euclidean Plane. Lecture Notes in Computer Science, 2009, , 781-791.	1.3	31
40	A Semi-exact Algorithm for Quickly Computing A Maximum Weight Clique in Large Sparse Graphs. Journal of Artificial Intelligence Research, 0, 72, 39-67.	7.0	3