AndrÃ© van Renssen

List of Publications by Year
in descending order

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49 papers	262 citations	1040056 9 h-index	1125743 13 g-index
51 all docs	51 docs citations	51 times ranked	139 citing authors

#	Article	IF	Citations
1	Local Routing in Sparse and Lightweight Geometric Graphs. Algorithmica, 2022, 84, 1316-1340.	1.3	1
2	Covering a set of line segments with a few squares. Theoretical Computer Science, 2022, , .	0.9	0
3	Rectilinear link diameter and radius in a rectilinear polygonal domain. Computational Geometry: Theory and Applications, 2021, 92, 101685.	0.5	0
4	Bounded-degree spanners in the presence of polygonal obstacle. Theoretical Computer Science, 2021, 854, 159-173.	0.9	2
5	Universal Reconfiguration of Facet-Connected Modular Robots by Pivots: The O(1) Musketeers. Algorithmica, 2021, 83, 1316-1351.	1.3	12
6	Constrained routing between non-visible vertices. Theoretical Computer Science, 2021, 861, 144-154.	0.9	1
7	Translation Invariant FrÃ©chet Distance Queries. Algorithmica, 2021, 83, 3514-3533.	1.3	5
8	Snipperclips: Cutting tools into desired polygons using themselves. Computational Geometry: Theory and Applications, 2021, 98, 101784.	0.5	0
9	Balanced line separators of unit disk graphs. Computational Geometry: Theory and Applications, 2020, 86, 101575.	0.5	1
10	Routing in polygonal domains. Computational Geometry: Theory and Applications, 2020, 87, 101593.	0.5	2
11	Routing in Histograms. Lecture Notes in Computer Science, 2020, , 43-54.	1.3	1
12	Local Routing in a Tree Metric 1-Spanner. Lecture Notes in Computer Science, 2020, , 174-185.	1.3	2
13	Bounded-Degree Spanners in the Presence of Polygonal Obstacles. Lecture Notes in Computer Science, 2020, , 40-51.	1.3	0
14	Symmetric assembly puzzles are hard, beyond a few pieces. Computational Geometry: Theory and Applications, 2020, 90, 101648.	0.5	2
15	On Plane Constrained Bounded-Degree Spanners. Algorithmica, 2019, 81, 1392-1415.	1.3	13
16	Faster algorithms for growing prioritized disks and rectangles. Computational Geometry: Theory and Applications, 2019, 80, 23-39.	0.5	3
17	Packing plane spanning graphs with short edges in complete geometric graphs. Computational Geometry: Theory and Applications, 2019, 82, 1-15.	0.5	0
18	Dynamic Graph Coloring. Algorithmica, 2019, 81, 1319-1341.	1.3	6

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19	Spanning Properties of Yao and ?-Graphs in the Presence of Constraints. International Journal of Computational Geometry and Applications, 2019, 29, 95-120.	0.5	6
20	Graphs with Large Total Angular Resolution. Lecture Notes in Computer Science, 2019, , 193-199.	1.3	2
21	Continuous Yao graphs. Computational Geometry: Theory and Applications, 2018, 67, 42-52.	0.5	1
22	Timeâ€“space trade-offs for triangulations and Voronoi diagrams. Computational Geometry: Theory and Applications, 2018, 73, 35-45.	0.5	4
23	Constrained generalized Delaunay graphs are plane spanners. Computational Geometry: Theory and Applications, 2018, 74, 50-65.	0.5	2
24	Hanabi is NP-hard, even for cheaters who look at their cards. Theoretical Computer Science, 2017, 675, 43-55.	0.9	7
25	Upper and Lower Bounds for Online Routing on Delaunay Triangulations. Discrete and Computational Geometry, 2017, 58, 482-504.	0.6	7
26	Constrained Routing Between Non-Visible Vertices. Lecture Notes in Computer Science, 2017, , 62-74.	1.3	1
27	Constrained Generalized Delaunay Graphs are Plane Spanners. Advances in Intelligent Systems and Computing, 2017, , 281-293.	0.6	1
28	Dynamic Graph Coloring. Lecture Notes in Computer Science, 2017, , 97-108.	1.3	13
29	Balanced Line Separators of Unit Disk Graphs. Lecture Notes in Computer Science, 2017, , 241-252.	1.3	0
30	The Price of Order. International Journal of Computational Geometry and Applications, 2016, 26, 135-149.	0.5	1
31	Area-Preserving Simplification and Schematization of Polygonal Subdivisions. ACM Transactions on Spatial Algorithms and Systems, 2016, 2, 1-36.	1.4	22
32	Towards tight bounds on theta-graphs: More is not always better. Theoretical Computer Science, 2016, 616, 70-93.	0.9	17
33	Optimal Local Routing on Delaunay Triangulations Defined by Empty Equilateral Triangles. SIAM Journal on Computing, 2015, 44, 1626-1649.	1.0	17
34	Reprint of: Theta-3 is connected. Computational Geometry: Theory and Applications, 2015, 48, 407-414.	0.5	0
35	The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î¸</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:mrow></ is a spanner. Computational Geometry: Theory and Applications, 2015, 48, 108-119.	0.5	18
36	Time-Space Trade-offs for Triangulations and Voronoi Diagrams. Lecture Notes in Computer Science, 2015, , 482-494.	1.3	2

#	Article	IF	Citations
37	Upper and Lower Bounds for Online Routing on Delaunay Triangulations. Lecture Notes in Computer Science, 2015, , 203-214.	1.3	4
38	Competitive Local Routing with Constraints. Lecture Notes in Computer Science, 2015, , 23-34.	1.3	2
39	New and Improved Spanning Ratios for Yao Graphs. , 2014, , .		8
40	Upper Bounds on the Spanning Ratio of Constrained Theta-Graphs. Lecture Notes in Computer Science, 2014, , 108-119.	1.3	5
41	Making triangulations 4-connected using flips. Computational Geometry: Theory and Applications, 2014, 47, 187-197.	0.5	4
42	Theta-3 is connected. Computational Geometry: Theory and Applications, 2014, 47, 910-917.	0.5	12
43	The Price of Order. Lecture Notes in Computer Science, 2014, , 313-325.	1.3	0
44	On the Stretch Factor of the Theta-4 Graph. Lecture Notes in Computer Science, 2013, , 109-120.	1.3	14
45	The Î¸5-Graph is a Spanner. Lecture Notes in Computer Science, 2013, , 100-114.	1.3	4
46	On Plane Constrained Bounded-Degree Spanners. Lecture Notes in Computer Science, 2012, , 85-96.	1.3	9
47	Competitive Routing in the Half-Î¸₆-Graph. , 2012, , .		11
48	Area-Preserving Subdivision Schematization. Lecture Notes in Computer Science, 2010, , 160-174.	1.3	8
49	Local routing in a tree metric 1-spanner. Journal of Combinatorial Optimization, 0, , 1.	1.3	0