Tamara Mchedlidze

List of Publications by Year
in descending order

57 papers	267 citations	1163065 8 h-index	1199563 12 g-index
64 all docs	64 docs citations	64 times ranked	141 citing authors

#	Article	IF	Citations
1	Bar 1-Visibility Graphs and their relation to other Nearly Planar Graphs. Journal of Graph Algorithms and Applications, 2014, 18, 721-739.	0.4	23
2	Monotone Drawings of Graphs with Fixed Embedding. Algorithmica, 2015, 71, 233-257.	1.3	15
3	Extending Convex Partial Drawings of Graphs. Algorithmica, 2016, 76, 47-67.	1.3	12
4	Upward Geometric Graph Embeddings into Point Sets. Lecture Notes in Computer Science, 2011, , 25-37.	1.3	12
5	Planar Graphs of Bounded Degree Have Bounded Queue Number. SIAM Journal on Computing, 2019, 48, 1487-1502.	1.0	11
6	Gestalt Principles in Graph Drawing. Lecture Notes in Computer Science, 2015, , 558-560.	1.3	11
7	Lower and upper bounds for long induced paths in 3-connected planar graphs. Theoretical Computer Science, 2016, 636, 47-55.	0.9	9
8	Crossing-Free Acyclic Hamiltonian Path Completion for Planar st-Digraphs. Lecture Notes in Computer Science, 2009, , 882-891.	1.3	9
9	Small Point Sets for Simply-Nested Planar Graphs. Lecture Notes in Computer Science, 2012, , 75-85.	1.3	9
10	Universal Point Sets for Drawing Planar Graphs with Circular Arcs. Journal of Graph Algorithms and Applications, 2014, 18, 313-324.	0.4	9
11	Minimum Tree Supports for Hypergraphs and Low-Concurrency Euler Diagrams. Lecture Notes in Computer Science, 2014, , 265-276.	1.3	8
12	Crossing-Optimal Acyclic Hamiltonian Path Completion and Its Application to Upward Topological Book Embeddings. Lecture Notes in Computer Science, 2009, , 250-261.	1.3	8
13	Experimental Evaluation of Book Drawing Algorithms. Lecture Notes in Computer Science, 2018, , 224-238.	1.3	7
14	Aesthetic Discrimination of Graph Layouts. Lecture Notes in Computer Science, 2018, , 169-184.	1.3	7
15	The Power of Shape: How Shape of Node-Link Diagrams Impacts Aesthetic Appreciation and Triggers Interest. I-Perception, 2018, 9, 204166951879685.	1.4	6
16	Point-Set Embeddability of 2-Colored Trees. Lecture Notes in Computer Science, 2013, , 291-302.	1.3	6
17	Monotone Drawings of Graphs with Fixed Embedding. Lecture Notes in Computer Science, 2012, , 379-390.	1.3	6
18	On upward point set embeddability. Computational Geometry: Theory and Applications, 2013, 46, 774-804.	0.5	5

#	Article	IF	Citations
19	A Greedy Heuristic for Crossing-Angle Maximization. Lecture Notes in Computer Science, 2018, , 286-299.	1.3	5
20	Crossing-Optimal Acyclic HP-Completion for Outerplanar st-Digraphs. Journal of Graph Algorithms and Applications, 2011, 15, 373-415.	0.4	5
21	Drawing Planar Graphs with Few Segments on a Polynomial Grid. Lecture Notes in Computer Science, 2019, , 416-429.	1.3	5
22	Drawing Graphs with Vertices at Specified Positions and Crossings at Large Angles. Lecture Notes in Computer Science, 2012, , 186-197.	1.3	4
23	Reprint of: Upward planar embedding of an n-vertex oriented path on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>O</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mi>n</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml... 2014, 47, 493-498.	0.5	4
24	Applying argumentation to structure and visualize multi-dimensional opinion spaces. Argument and Computation, 2018, 10, 23-40.	1.1	4
25	Small Universal Point Sets for k-Outerplanar Graphs. Discrete and Computational Geometry, 2018, 60, 430-470.	0.6	4
26	Drawing Planar Graphs with a Prescribed Inner Face. Lecture Notes in Computer Science, 2013, , 316-327.	1.3	4
27	Drawing Graphs with Vertices at Specified Positions and Crossings at Large Angles. Lecture Notes in Computer Science, 2012, , 441-442.	1.3	4
28	Fitting Planar Graphs on Planar Maps. Journal of Graph Algorithms and Applications, 2015, 19, 413-440.	0.4	4
29	Level-Planar Drawings with Few Slopes. Lecture Notes in Computer Science, 2019, , 559-572.	1.3	4
30	Unilateral Orientation of Mixed Graphs. Lecture Notes in Computer Science, 2010, , 588-599.	1.3	3
31	Upward Point Set Embeddability for Convex Point Sets Is in P. Lecture Notes in Computer Science, 2012, , 403-414.	1.3	3
32	Upward planar embedding of an n-vertex oriented path on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>O</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mi>n</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml... 2013, 46, 1003-1008.	0.5	2
33	Lower and Upper Bounds for Long Induced Paths in 3-Connected Planar Graphs. Lecture Notes in Computer Science, 2013, , 213-224.	1.3	2
34	Planar graphs of bounded degree have bounded queue number. , 2019, , .		2
35	Using the Metro-Map Metaphor for Drawing Hypergraphs. Lecture Notes in Computer Science, 2021, , 361-372.	1.3	2
36	Drawing Planar Graphs with Many Collinear Vertices. Lecture Notes in Computer Science, 2016, , 152-165.	1.3	2

#	Article	IF	Citations
37	Monotone Simultaneous Embeddings of Upward Planar Digraphs. Journal of Graph Algorithms and Applications, 2015, 19, 87-110.	0.4	2
38	$$eta $$-Stars or On Extending a Drawing of a Connected Subgraph. Lecture Notes in Computer Science, 2018, , 416-429.	1.3	2
39	Aligned Drawings of Planar Graphs. Journal of Graph Algorithms and Applications, 2018, 22, 401-429.	0.4	2
40	Planar Drawings of Fixed-Mobile Bigraphs. Lecture Notes in Computer Science, 2018, , 426-439.	1.3	2
41	Upward Point Set Embeddings of Paths and Trees. Lecture Notes in Computer Science, 2021, , 234-246.	1.3	1
42	A Universal Point Set for 2-Outerplanar Graphs. Lecture Notes in Computer Science, 2015, , 409-422.	1.3	1
43	Crossing-Optimal Acyclic HP-Completion for Outerplanar st-Digraphs. Lecture Notes in Computer Science, 2009, , 76-85.	1.3	1
44	Spine Crossing Minimization in Upward Topological Book Embeddings. Lecture Notes in Computer Science, 2009, , 445-446.	1.3	1
45	Embedding Four-Directional Paths on Convex Point Sets. Lecture Notes in Computer Science, 2014, , 355-366.	1.3	1
46	Greedy Rectilinear Drawings. Lecture Notes in Computer Science, 2018, , 495-508.	1.3	1
47	Aesthetic Discrimination of Graph Layouts. Journal of Graph Algorithms and Applications, 2019, 23, 525-552.	0.4	1
48	Planar drawings of fixed-mobile bigraphs. Theoretical Computer Science, 2019, 795, 408-419.	0.9	0
49	Greedy rectilinear drawings. Theoretical Computer Science, 2019, 795, 375-397.	0.9	0
50	Fitting Planar Graphs on Planar Maps. Lecture Notes in Computer Science, 2014, , 52-64.	1.3	0
51	Embedding Four-directional Paths on Convex Point Sets. Journal of Graph Algorithms and Applications, 2015, 19, 743-759.	0.4	0
52	Monotone Simultaneous Embeddings of Paths in d Dimensions. Lecture Notes in Computer Science, 2016, , 546-553.	1.3	0
53	Drawing Clustered Graphs on Disk Arrangements. Lecture Notes in Computer Science, 2019, , 160-171.	1.3	0
54	Graph Drawing Contest Report. Lecture Notes in Computer Science, 2019, , 575-583.	1.3	0

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55	Drawing Clustered Planar Graphs on Disk Arrangements. Journal of Graph Algorithms and Applications, 2020, 24, 105-131.	0.4	0
56	On Mixed Linear Layouts of Series-Parallel Graphs. Lecture Notes in Computer Science, 2020, , 151-159.	1.3	0
57	Level-Planar Drawings with Few Slopes. Algorithmica, 0, , 1.	1.3	0