

# Tamara Mchedlidze

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58

papers

181

citations

6

h-index

10

g-index

64

ext. papers

204

ext. citations

0.8

avg, IF

3.03

L-index

#	Paper	IF	Citations
58	Bar 1-Visibility Graphs and their relation to other Nearly Planar Graphs. <i>Journal of Graph Algorithms and Applications</i> , <b>2014</b> , 18, 721-739	1.5	22
57	Monotone Drawings of Graphs with Fixed Embedding. <i>Algorithmica</i> , <b>2015</b> , 71, 233-257	0.9	13
56	Extending Convex Partial Drawings of Graphs. <i>Algorithmica</i> , <b>2016</b> , 76, 47-67	0.9	11
55	Minimum Tree Supports for Hypergraphs and Low-Concurrency Euler Diagrams. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 265-276	0.9	7
54	Upward Geometric Graph Embeddings into Point Sets. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 25-37	0.9	7
53	Planar Graphs of Bounded Degree Have Bounded Queue Number. <i>SIAM Journal on Computing</i> , <b>2019</b> , 48, 1487-1502	1.1	7
52	Experimental Evaluation of Book Drawing Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 224-238	0.9	6
51	Gestalt Principles in Graph Drawing. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 558-560	0.9	6
50	Crossing-Optimal Acyclic Hamiltonian Path Completion and Its Application to Upward Topological Book Embeddings. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 250-261	0.9	6
49	Lower and upper bounds for long induced paths in 3-connected planar graphs. <i>Theoretical Computer Science</i> , <b>2016</b> , 636, 47-55	1.1	5
48	Universal Point Sets for Drawing Planar Graphs with Circular Arcs. <i>Journal of Graph Algorithms and Applications</i> , <b>2014</b> , 18, 313-324	1.5	5
47	Monotone Drawings of Graphs with Fixed Embedding. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 379-390	0.9	5
46	On upward point set embeddability. <i>Computational Geometry: Theory and Applications</i> , <b>2013</b> , 46, 774-804	1.4	4
45	Drawing Graphs with Vertices at Specified Positions and Crossings at Large Angles. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 186-197	0.9	4
44	A Greedy Heuristic for Crossing-Angle Maximization. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 286-299	0.9	4
43	Drawing Graphs with Vertices at Specified Positions and Crossings at Large Angles. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 441-442	0.9	4
42	Small Point Sets for Simply-Nested Planar Graphs. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 75-85	0.9	4

41	Universal Point Subsets for Planar Graphs. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 423-432	0.9	4
40	The Power of Shape: How Shape of Node-Link Diagrams Impacts Aesthetic Appreciation and Triggers Interest. <i>I-Perception</i> , <b>2018</b> , 9, 2041669518796851	1.2	4
39	Reprint of: Upward planar embedding of an $n$ -vertex oriented path on $O(n^2)$ points. <i>Computational Geometry: Theory and Applications</i> , <b>2014</b> , 47, 493-498	0.4	3
38	Aesthetic Discrimination of Graph Layouts. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 169-184	0.9	3
37	Level-Planar Drawings with Few Slopes. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 559-572	0.9	3
36	Drawing Planar Graphs with Few Segments on a Polynomial Grid. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 416-429	0.9	3
35	Drawing Planar Graphs with a Prescribed Inner Face. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 316-327	0.9	3
34	Crossing-Free Acyclic Hamiltonian Path Completion for Planar st-Digraphs. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 882-891	0.9	3
33	Point-Set Embeddability of 2-Colored Trees. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 291-302	0.9	3
32	Small Universal Point Sets for $k$ -Outerplanar Graphs. <i>Discrete and Computational Geometry</i> , <b>2018</b> , 60, 430-470	0.6	3
31	Lower and Upper Bounds for Long Induced Paths in 3-Connected Planar Graphs. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 213-224	0.9	2
30	Crossing-Optimal Acyclic HP-Completion for Outerplanar st-Digraphs. <i>Journal of Graph Algorithms and Applications</i> , <b>2011</b> , 15, 373-415	1.5	2
29	(beta)-Stars or On Extending a Drawing of a Connected Subgraph. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 416-429	0.9	2
28	Aligned Drawings of Planar Graphs. <i>Journal of Graph Algorithms and Applications</i> , <b>2018</b> , 22, 401-429	1.5	2
27	Planar Drawings of Fixed-Mobile Bigraphs. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 426-439	0.9	2
26	Drawing Planar Graphs with Many Collinear Vertices. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 152-165	0.9	2
25	Fitting Planar Graphs on Planar Maps. <i>Journal of Graph Algorithms and Applications</i> , <b>2015</b> , 19, 413-440	1.5	2
24	Monotone Simultaneous Embeddings of Upward Planar Digraphs. <i>Journal of Graph Algorithms and Applications</i> , <b>2015</b> , 19, 87-110	1.5	2

23	Upward Point-Set Embeddability. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 272-283	0.9	2
22	Applying argumentation to structure and visualize multi-dimensional opinion spaces. <i>Argument and Computation</i> , <b>2018</b> , 10, 23-40	0.8	2
21	Planar graphs of bounded degree have bounded queue number <b>2019</b> ,		1
20	Upward planar embedding of an $n$ -vertex oriented path on $O(n^2)$ points. <i>Computational Geometry: Theory and Applications</i> , <b>2013</b> , 46, 1003-1008	0.4	1
19	A Universal Point Set for 2-Outerplanar Graphs. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 409-422	0.9	1
18	Aligned Drawings of Planar Graphs. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 3-16	0.9	1
17	Unilateral Orientation of Mixed Graphs. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 588-599	0.9	1
16	Crossing-Optimal Acyclic HP-Completion for Outerplanar st-Digraphs. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 76-85	0.9	1
15	On $\mathbb{E}$ Constrained Upward Topological Book Embeddings. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 411-412	0.9	1
14	Embedding Four-Directional Paths on Convex Point Sets. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 355-366	0.9	1
13	Using the Metro-Map Metaphor for Drawing Hypergraphs. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 361-372	0.9	0
12	Planar drawings of fixed-mobile bigraphs. <i>Theoretical Computer Science</i> , <b>2019</b> , 795, 408-419	1.1	
11	Greedy rectilinear drawings. <i>Theoretical Computer Science</i> , <b>2019</b> , 795, 375-397	1.1	
10	Towards Realistic Flow Control in Power Grid Operation. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 192-199	0.9	
9	On Mixed Linear Layouts of Series-Parallel Graphs. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 151-159	0.9	
8	Level-Planar Drawings with Few Slopes. <i>Algorithmica</i> , 1	0.9	
7	Graph Drawing Contest Report. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 409-417	0.9	
6	Greedy Rectilinear Drawings. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 495-508	0.9	

- 5 Drawing Clustered Graphs on Disk Arrangements. *Lecture Notes in Computer Science*, **2019**, 160-171 0.9
- 4 Monotone Simultaneous Embeddings of Paths in d Dimensions. *Lecture Notes in Computer Science*, **2016**, 546-553 0.9
- 3 Spine Crossing Minimization in Upward Topological Book Embeddings. *Lecture Notes in Computer Science*, **2009**, 445-446 0.9
- 2 Upward Point Set Embeddability for Convex Point Sets Is in P. *Lecture Notes in Computer Science*, **2012**, 403-414 0.9
- 1 Upward Point Set Embeddings of Paths and Trees. *Lecture Notes in Computer Science*, **2021**, 234-246 0.9