

Tamara Mchedlidze

List of Publications by Year in Descending Order

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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	Graph Drawing Contest Report. <i>Lecture Notes in Computer Science</i> , 2021 , 409-417	0.9	
57	Using the Metro-Map Metaphor for Drawing Hypergraphs. <i>Lecture Notes in Computer Science</i> , 2021 , 361-372	0.9	0
56	Upward Point Set Embeddings of Paths and Trees. <i>Lecture Notes in Computer Science</i> , 2021 , 234-246	0.9	
55	On Mixed Linear Layouts of Series-Parallel Graphs. <i>Lecture Notes in Computer Science</i> , 2020 , 151-159	0.9	
54	Planar graphs of bounded degree have bounded queue number 2019 ,		1
53	Planar drawings of fixed-mobile bigraphs. <i>Theoretical Computer Science</i> , 2019 , 795, 408-419	1.1	
52	Greedy rectilinear drawings. <i>Theoretical Computer Science</i> , 2019 , 795, 375-397	1.1	
51	Drawing Clustered Graphs on Disk Arrangements. <i>Lecture Notes in Computer Science</i> , 2019 , 160-171	0.9	
50	Level-Planar Drawings with Few Slopes. <i>Lecture Notes in Computer Science</i> , 2019 , 559-572	0.9	3
49	Drawing Planar Graphs with Few Segments on a Polynomial Grid. <i>Lecture Notes in Computer Science</i> , 2019 , 416-429	0.9	3
48	Planar Graphs of Bounded Degree Have Bounded Queue Number. <i>SIAM Journal on Computing</i> , 2019 , 48, 1487-1502	1.1	7
47	(beta)-Stars or On Extending a Drawing of a Connected Subgraph. <i>Lecture Notes in Computer Science</i> , 2018 , 416-429	0.9	2
46	Experimental Evaluation of Book Drawing Algorithms. <i>Lecture Notes in Computer Science</i> , 2018 , 224-238	0.9	6
45	Aligned Drawings of Planar Graphs. <i>Journal of Graph Algorithms and Applications</i> , 2018 , 22, 401-429	1.5	2
44	Aesthetic Discrimination of Graph Layouts. <i>Lecture Notes in Computer Science</i> , 2018 , 169-184	0.9	3
43	Planar Drawings of Fixed-Mobile Bigraphs. <i>Lecture Notes in Computer Science</i> , 2018 , 426-439	0.9	2
42	Greedy Rectilinear Drawings. <i>Lecture Notes in Computer Science</i> , 2018 , 495-508	0.9	

41	A Greedy Heuristic for Crossing-Angle Maximization. <i>Lecture Notes in Computer Science</i> , 2018 , 286-299	0.9	4
40	Aligned Drawings of Planar Graphs. <i>Lecture Notes in Computer Science</i> , 2018 , 3-16	0.9	1
39	Applying argumentation to structure and visualize multi-dimensional opinion spaces. <i>Argument and Computation</i> , 2018 , 10, 23-40	0.8	2
38	The Power of Shape: How Shape of Node-Link Diagrams Impacts Aesthetic Appreciation and Triggers Interest. <i>I-Perception</i> , 2018 , 9, 2041669518796851	1.2	4
37	Small Universal Point Sets for k-Outerplanar Graphs. <i>Discrete and Computational Geometry</i> , 2018 , 60, 430-470	0.6	3
36	Lower and upper bounds for long induced paths in 3-connected planar graphs. <i>Theoretical Computer Science</i> , 2016 , 636, 47-55	1.1	5
35	Drawing Planar Graphs with Many Collinear Vertices. <i>Lecture Notes in Computer Science</i> , 2016 , 152-165	0.9	2
34	Monotone Simultaneous Embeddings of Paths in d Dimensions. <i>Lecture Notes in Computer Science</i> , 2016 , 546-553	0.9	
33	Extending Convex Partial Drawings of Graphs. <i>Algorithmica</i> , 2016 , 76, 47-67	0.9	11
32	Monotone Drawings of Graphs with Fixed Embedding. <i>Algorithmica</i> , 2015 , 71, 233-257	0.9	13
31	Towards Realistic Flow Control in Power Grid Operation. <i>Lecture Notes in Computer Science</i> , 2015 , 192-199	0.9	
30	A Universal Point Set for 2-Outerplanar Graphs. <i>Lecture Notes in Computer Science</i> , 2015 , 409-422	0.9	1
29	Gestalt Principles in Graph Drawing. <i>Lecture Notes in Computer Science</i> , 2015 , 558-560	0.9	6
28	Fitting Planar Graphs on Planar Maps. <i>Journal of Graph Algorithms and Applications</i> , 2015 , 19, 413-440	1.5	2
27	Monotone Simultaneous Embeddings of Upward Planar Digraphs. <i>Journal of Graph Algorithms and Applications</i> , 2015 , 19, 87-110	1.5	2
26	Reprint of: Upward planar embedding of an n -vertex oriented path on $O(n^2)$ points. <i>Computational Geometry: Theory and Applications</i> , 2014 , 47, 493-498	0.4	3
25	Universal Point Sets for Drawing Planar Graphs with Circular Arcs. <i>Journal of Graph Algorithms and Applications</i> , 2014 , 18, 313-324	1.5	5
24	Bar 1-Visibility Graphs and their relation to other Nearly Planar Graphs. <i>Journal of Graph Algorithms and Applications</i> , 2014 , 18, 721-739	1.5	22

23	Minimum Tree Supports for Hypergraphs and Low-Concurrency Euler Diagrams. <i>Lecture Notes in Computer Science</i> , 2014 , 265-276	0.9	7
22	Embedding Four-Directional Paths on Convex Point Sets. <i>Lecture Notes in Computer Science</i> , 2014 , 355-366		1
21	On upward point set embeddability. <i>Computational Geometry: Theory and Applications</i> , 2013 , 46, 774-804	0.4	4
20	Upward planar embedding of an n -vertex oriented path on $O(n^2)$ points. <i>Computational Geometry: Theory and Applications</i> , 2013 , 46, 1003-1008	0.4	1
19	Lower and Upper Bounds for Long Induced Paths in 3-Connected Planar Graphs. <i>Lecture Notes in Computer Science</i> , 2013 , 213-224	0.9	2
18	Drawing Planar Graphs with a Prescribed Inner Face. <i>Lecture Notes in Computer Science</i> , 2013 , 316-327	0.9	3
17	Point-Set Embeddability of 2-Colored Trees. <i>Lecture Notes in Computer Science</i> , 2013 , 291-302	0.9	3
16	Drawing Graphs with Vertices at Specified Positions and Crossings at Large Angles. <i>Lecture Notes in Computer Science</i> , 2012 , 186-197	0.9	4
15	Drawing Graphs with Vertices at Specified Positions and Crossings at Large Angles. <i>Lecture Notes in Computer Science</i> , 2012 , 441-442	0.9	4
14	Small Point Sets for Simply-Nested Planar Graphs. <i>Lecture Notes in Computer Science</i> , 2012 , 75-85	0.9	4
13	Universal Point Subsets for Planar Graphs. <i>Lecture Notes in Computer Science</i> , 2012 , 423-432	0.9	4
12	Upward Point Set Embeddability for Convex Point Sets Is in P. <i>Lecture Notes in Computer Science</i> , 2012 , 403-414	0.9	
11	Monotone Drawings of Graphs with Fixed Embedding. <i>Lecture Notes in Computer Science</i> , 2012 , 379-390	0.9	5
10	Crossing-Optimal Acyclic HP-Completion for Outerplanar st-Digraphs. <i>Journal of Graph Algorithms and Applications</i> , 2011 , 15, 373-415	1.5	2
9	Upward Geometric Graph Embeddings into Point Sets. <i>Lecture Notes in Computer Science</i> , 2011 , 25-37	0.9	7
8	Upward Point-Set Embeddability. <i>Lecture Notes in Computer Science</i> , 2011 , 272-283	0.9	2
7	Unilateral Orientation of Mixed Graphs. <i>Lecture Notes in Computer Science</i> , 2010 , 588-599	0.9	1
6	On \mathbb{E} -Constrained Upward Topological Book Embeddings. <i>Lecture Notes in Computer Science</i> , 2010 , 411-412	0.9	1

5	Crossing-Optimal Acyclic Hamiltonian Path Completion and Its Application to Upward Topological Book Embeddings. <i>Lecture Notes in Computer Science</i> , 2009 , 250-261	0.9	6
4	Crossing-Free Acyclic Hamiltonian Path Completion for Planar st-Digraphs. <i>Lecture Notes in Computer Science</i> , 2009 , 882-891	0.9	3
3	Crossing-Optimal Acyclic HP-Completion for Outerplanar st-Digraphs. <i>Lecture Notes in Computer Science</i> , 2009 , 76-85	0.9	1
2	Spine Crossing Minimization in Upward Topological Book Embeddings. <i>Lecture Notes in Computer Science</i> , 2009 , 445-446	0.9	
1	Level-Planar Drawings with Few Slopes. <i>Algorithmica</i> , 1	0.9	