Patrizio Angelini

List of Publications by Year in Descending Order

100 papers	597 citations	13 h-index	18 g-index
101 ext. papers	646 ext. citations	0.8 avg, IF	3.94 L-index

#	Paper	IF	Citations
100	One-Bend Drawings of Outerplanar Graphs Inside Simple Polygons. *Lecture Notes in Computer Science*, **2021**, 184-192	0.9	
99	On Morphing 1-Planar Drawings. *Lecture Notes in Computer Science*, **2021**, 270-282	0.9	
98	Planar L-Drawings of Bimodal Graphs. *Lecture Notes in Computer Science*, **2020**, 205-219	0.9	2
97	On Mixed Linear Layouts of Series-Parallel Graphs. *Lecture Notes in Computer Science*, **2020**, 151-159	0.9	
96	Extending Partial Orthogonal Drawings. *Lecture Notes in Computer Science*, **2020**, 265-278	0.9	0
95	Bitonic st-Orderings for Upward Planar Graphs: The Variable Embedding Setting. *Lecture Notes in Computer Science*, **2020**, 339-351	0.9	1
94	2-Layer k-Planar Graphs. *Lecture Notes in Computer Science*, **2020**, 403-419	0.9	
93	Beyond Clustered Planar Graphs **2020**, 211-235		2
92	Beyond level planarity: Cyclic, torus, and simultaneous level planarity. *Theoretical Computer Science*, **2020**, 804, 161-170	1.1	4
91	On RAC drawings of graphs with one bend per edge. *Theoretical Computer Science*, **2020**, 828-829, 42-54	1.1	1
90	Graph Planarity by Replacing Cliques with Paths. *Algorithms*, **2020**, 13, 194	1.8	3
89	Simple k-planar graphs are simple (k + 1)-quasiplanar. *Journal of Combinatorial Theory Series B*, **2020**, 142, 1-35	1.1	6
88	On 3D visibility representations of graphs with few crossings per edge. *Theoretical Computer Science*, **2019**, 784, 11-20	1.1	5
87	Greedy rectilinear drawings. *Theoretical Computer Science*, **2019**, 795, 375-397	1.1	
86	Universal Slope Sets for 1-Bend Planar Drawings. *Algorithmica*, **2019**, 81, 2527-2556	0.9	3
85	Geometric Representations of Dichotomous Ordinal Data. *Lecture Notes in Computer Science*, **2019**, 205-217	0.9	
84	The QuaSEFE Problem. *Lecture Notes in Computer Science*, **2019**, 268-275	0.9	1

83	Efficient Generation of Different Topological Representations of Graphs Beyond-Planarity. *Lecture Notes in Computer Science*, **2019**, 253-267	0.9	1
82	Clustered Planarity with Pipes. *Algorithmica*, **2019**, 81, 2484-2526	0.9	9
81	Multi-level Steiner Trees. *Journal of Experimental Algorithmics*, **2019**, 24, 1-22	1.1	1
80	Hierarchical Partial Planarity. *Algorithmica*, **2019**, 81, 2196-2221	0.9	1
79	1-Fan-bundle-planar drawings of graphs. *Theoretical Computer Science*, **2018**, 723, 23-50	1.1	7
78	On RAC Drawings of Graphs with One Bend per Edge. *Lecture Notes in Computer Science*, **2018**, 123-136	0.9	1
77	Turning Cliques into Paths to Achieve Planarity. *Lecture Notes in Computer Science*, **2018**, 67-74	0.9	2
76	3D Visibility Representations of 1-planar Graphs. *Lecture Notes in Computer Science*, **2018**, 102-109	0.9	1
75	1-Fan-Bundle-Planar Drawings of Graphs. *Lecture Notes in Computer Science*, **2018**, 517-530	0.9	1
74	On Vertex- and Empty-Ply Proximity Drawings. *Lecture Notes in Computer Science*, **2018**, 24-37	0.9	2
73	Greedy Rectilinear Drawings. *Lecture Notes in Computer Science*, **2018**, 495-508	0.9	
72	Windrose Planarity. *ACM Transactions on Algorithms*, **2018**, 14, 1-24	1.2	4
71	Algorithms and Bounds for L-Drawings of Directed Graphs. *International Journal of Foundations of Computer Science*, **2018**, 29, 461-480	0.6	4
70	3-coloring arrangements of line segments with 4 slopes is hard. *Information Processing Letters*, **2018**, 137, 47-50	0.8	
69	Small Universal Point Sets for k-Outerplanar Graphs. *Discrete and Computational Geometry*, **2018**, 60, 430-470	0.6	3
68	Strip Planarity Testing for Embedded Planar Graphs. *Algorithmica*, **2017**, 77, 1022-1059	0.9	15
67	Monotone drawings of graphs with few directions. *Information Processing Letters*, **2017**, 120, 16-22	0.8	1
66	How to Morph Planar Graph Drawings. *SIAM Journal on Computing*, **2017**, 46, 824-852	1.1	17

65	Vertex-Coloring with Defects. *Journal of Graph Algorithms and Applications*, **2017**, 21, 313-340	1.5	7
64	Intersection-Link Representations of Graphs. *Journal of Graph Algorithms and Applications*, **2017**, 21, 731-755	1.5	17
63	Hierarchical Partial Planarity. *Lecture Notes in Computer Science*, **2017**, 45-58	0.9	1
62	On the Relationship Between k-Planar and k-Quasi-Planar Graphs. *Lecture Notes in Computer Science*, **2017**, 59-74	0.9	7
61	SEFE = C-Planarity?. *Computer Journal*, **2016**, 59, 1831-1838	1.3	6
60	Windrose Planarity: Embedding Graphs with Direction-Constrained Edges **2016**,		1
59	Beyond Level Planarity. *Lecture Notes in Computer Science*, **2016**, 482-495	0.9	9
58	Simultaneous Orthogonal Planarity. *Lecture Notes in Computer Science*, **2016**, 532-545	0.9	7
57	Low Ply Drawings of Trees. *Lecture Notes in Computer Science*, **2016**, 236-248	0.9	4
56	L-Drawings of Directed Graphs. *Lecture Notes in Computer Science*, **2016**, 134-147	0.9	2
55	Vertex-Coloring with Star-Defects. *Lecture Notes in Computer Science*, **2016**, 40-51	0.9	1
54	SEFE without Mapping via Large Induced Outerplane Graphs in Plane Graphs. *Journal of Graph Theory*, **2016**, 82, 45-64	0.8	1
53	Testing Planarity of Partially Embedded Graphs. *ACM Transactions on Algorithms*, **2015**, 11, 1-42	1.2	25
52	Advancements on SEFE and Partitioned Book Embedding problems. *Theoretical Computer Science*, **2015**, 575, 71-89	1.1	18
51	Algorithms and bounds for drawing non-planar graphs with crossing-free subgraphs. *Computational Geometry: Theory and Applications*, **2015**, 50, 34-48	0.4	3
50	Monotone Drawings of Graphs with Fixed Embedding. *Algorithmica*, **2015**, 71, 233-257	0.9	13
49	Relaxing the constraints of clustered planarity. *Computational Geometry: Theory and Applications*, **2015**, 48, 42-75	0.4	12
48	Monotone drawings of graphs with few directions **2015**,		2

47	The importance of being proper. *Theoretical Computer Science*, **2015**, 571, 1-9	1.1	16
46	A Universal Point Set for 2-Outerplanar Graphs. *Lecture Notes in Computer Science*, **2015**, 409-422	0.9	1
45	Intersection-Link Representations of Graphs. *Lecture Notes in Computer Science*, **2015**, 217-230	0.9	2
44	On the Relationship Between Map Graphs and Clique Planar Graphs. *Lecture Notes in Computer Science*, **2015**, 548-550	0.9	
43	On the area requirements of Euclidean minimum spanning trees. *Computational Geometry: Theory and Applications*, **2014**, 47, 200-213	0.4	2
42	TESTING MUTUAL DUALITY OF PLANAR GRAPHS. *International Journal of Computational Geometry and Applications*, **2014**, 24, 325-346	0.3	1
41	Universal Point Sets for Drawing Planar Graphs with Circular Arcs. *Journal of Graph Algorithms and Applications*, **2014**, 18, 313-324	1.5	5
40	Morphing Planar Graph Drawings Optimally. *Lecture Notes in Computer Science*, **2014**, 126-137	0.9	9
39	Anchored Drawings of Planar Graphs. *Lecture Notes in Computer Science*, **2014**, 404-415	0.9	6
38	The Importance of Being Proper. *Lecture Notes in Computer Science*, **2014**, 246-258	0.9	
37	On Some (mathcal{NP})-complete SEFE Problems. *Lecture Notes in Computer Science*, **2014**, 200-212	0.9	2
36	Topological morphing of planar graphs. *Theoretical Computer Science*, **2013**, 514, 2-20	1.1	3
35	SIMULTANEOUS EMBEDDING OF EMBEDDED PLANAR GRAPHS. *International Journal of Computational Geometry and Applications*, **2013**, 23, 93-126	0.3	2
34	Morphing Planar Graph Drawings with a Polynomial Number of Steps **2013**,		11
33	Drawing Non-Planar Graphs with Crossing-Free Subgraphs. *Lecture Notes in Computer Science*, **2013**, 292-303	0.9	4
32	Morphing Planar Graph Drawings Efficiently. *Lecture Notes in Computer Science*, **2013**, 49-60	0.9	6
31	Implementing a Partitioned 2-Page Book Embedding Testing Algorithm. *Lecture Notes in Computer Science*, **2013**, 79-89	0.9	4
30	Testing Mutual Duality of Planar Graphs. *Lecture Notes in Computer Science*, **2013**, 350-360	0.9	1

29	SEFE with No Mapping via Large Induced Outerplane Graphs in Plane Graphs. *Lecture Notes in Computer Science*, **2013**, 185-195	0.9	2
28	Strip Planarity Testing. *Lecture Notes in Computer Science*, **2013**, 37-48	0.9	8
27	Testing the simultaneous embeddability of two graphs whose intersection is a biconnected or a connected graph. *Journal of Discrete Algorithms*, **2012**, 14, 150-172		28
26	Succinct greedy drawings do not always exist. *Networks*, **2012**, 59, 267-274	1.6	8
25	Acyclically 3-colorable planar graphs. *Journal of Combinatorial Optimization*, **2012**, 24, 116-130	0.9	8
24	Monotone Drawings of Graphs. *Journal of Graph Algorithms and Applications*, **2012**, 16, 5-35	1.5	27
23	On a Tree and a Path with no Geometric Simultaneous Embedding. *Journal of Graph Algorithms and Applications*, **2012**, 16, 37-83	1.5	18
22	Small Point Sets for Simply-Nested Planar Graphs. *Lecture Notes in Computer Science*, **2012**, 75-85	0.9	4
21	Large Angle Crossing Drawings of Planar Graphs in Subquadratic Area. *Lecture Notes in Computer Science*, **2012**, 200-209	0.9	7
20	Universal Point Subsets for Planar Graphs. *Lecture Notes in Computer Science*, **2012**, 423-432	0.9	4
19	Monotone Drawings of Graphs with Fixed Embedding. *Lecture Notes in Computer Science*, **2012**, 379-390	0.9	5
18	Finding a Minimum-depth Embedding of a Planar Graph in O(n 4) Time. *Algorithmica*, **2011**, 60, 890-937	0.9	6
17	Straight-Line Rectangular Drawings of Clustered Graphs. *Discrete and Computational Geometry*, **2011**, 45, 88-140	0.6	8
16	On the Perspectives Opened by Right Angle Crossing Drawings. *Journal of Graph Algorithms and Applications*, **2011**, 15, 53-78	1.5	29
15	Upward Geometric Graph Embeddings into Point Sets. *Lecture Notes in Computer Science*, **2011**, 25-37	0.9	7
14	On the Area Requirements of Euclidean Minimum Spanning Trees. *Lecture Notes in Computer Science*, **2011**, 25-36	0.9	6
13	On a Tree and a Path with No Geometric Simultaneous Embedding. *Lecture Notes in Computer Science*, **2011**, 38-49	0.9	7
12	Monotone Drawings of Graphs. *Lecture Notes in Computer Science*, **2011**, 13-24	0.9	3

11	Testing the Simultaneous Embeddability of Two Graphs Whose Intersection Is a Biconnected Graph or a Tree. *Lecture Notes in Computer Science*, **2011**, 212-225	0.9	4
10	Simultaneous Embedding of Embedded Planar Graphs. *Lecture Notes in Computer Science*, **2011**, 271-280	0.9	1
9	Testing Planarity of Partially Embedded Graphs **2010**,		23
8	An Algorithm to Construct Greedy Drawings of Triangulations. *Journal of Graph Algorithms and Applications*, **2010**, 14, 19-51	1.5	35
7	Acyclically 3-Colorable Planar Graphs. *Lecture Notes in Computer Science*, **2010**, 113-124	0.9	3
6	Succinct Greedy Drawings Do Not Always Exist. *Lecture Notes in Computer Science*, **2010**, 171-182	0.9	7
5	Splitting Clusters to Get C-Planarity. *Lecture Notes in Computer Science*, **2010**, 57-68	0.9	3
4	On the Perspectives Opened by Right Angle Crossing Drawings. *Lecture Notes in Computer Science*, **2010**, 21-32	0.9	10
3	An Algorithm to Construct Greedy Drawings of Triangulations. *Lecture Notes in Computer Science*, **2009**, 26-37	0.9	13
2	Straight-Line Rectangular Drawings of Clustered Graphs. *Lecture Notes in Computer Science*, **2009**, 25-36	0.9	1
1	Computing a Minimum-Depth Planar Graph Embedding in O(n4) Time. *Lecture Notes in Computer Science*, **2007**, 287-299	0.9	2