Giuseppe Liotta

List of Publications by Year in Descending Order

217 papers	2,090 citations	24 h-index	34 g-index
225 ext. papers	2,301 ext. citations	1.1 avg, IF	5.19 L-index

#	Paper	IF	Citations
217	On Edge-Length Ratios of Partial 2-Trees. *International Journal of Computational Geometry and Applications*, **2021**, 31, 141-162	0.3	
216	Orthogonal Planarity Testing of Bounded Treewidth Graphs. *Journal of Computer and System Sciences*, **2021**, 125, 129-129	1	4
215	Quasi-upward Planar Drawings with Minimum Curve Complexity. *Lecture Notes in Computer Science*, **2021**, 195-209	0.9	3
214	Optimal-Area Visibility Representations of Outer-1-Plane Graphs. *Lecture Notes in Computer Science* , **2021**, 287-303	0.9	
213	2-colored point-set embeddings of partial 2-trees. *Theoretical Computer Science*, **2021**, 896, 31-31	1.1	
212	Ortho-polygon visibility representations of 3-connected 1-plane graphs. *Theoretical Computer Science*, **2021**, 863, 40-52	1.1	2
211	Simultaneous FPQ-ordering and hybrid planarity testing. *Theoretical Computer Science*, **2021**,	1.1	2
210	Stable visualization of connected components in dynamic graphs. *Information Visualization*, **2021**, 20, 3-19	2.4	1
209	2-Colored Point-Set Embeddings of Partial 2-Trees. *Lecture Notes in Computer Science*, **2021**, 247-259	0.9	1
208	Planar Drawings with Few Slopes of Halin Graphs and Nested Pseudotrees. *Lecture Notes in Computer Science*, **2021**, 271-285	0.9	1
207	Visual Analytics for Financial Crime Detection at the University of Perugia. *Lecture Notes in Computer Science*, **2021**, 195-200	0.9	
206	. *IEEE Access*, **2020**, 8, 16073-16086	3.5	10
205	Simultaneous FPQ-Ordering and Hybrid Planarity Testing. *Lecture Notes in Computer Science*, **2020**, 617-626	0.9	2
204	Optimal Orthogonal Drawings of Planar 3-Graphs in Linear Time **2020**, 806-825		10
203	1-bend upward planar slope number of SP-digraphs. *Computational Geometry: Theory and Applications*, **2020**, 90, 101628	0.4	2
202	On the curve complexity of 3-colored point-set embeddings. *Theoretical Computer Science*, **2020**, 846, 114-140	1.1	2
201	On the Edge-Length Ratio of 2-Trees. *Lecture Notes in Computer Science*, **2020**, 85-98	0.9	2

200	Packing Trees into 1-Planar Graphs. *Lecture Notes in Computer Science*, **2020**, 81-93	0.9	
199	Storyline Visualizations with Ubiquitous Actors. *Lecture Notes in Computer Science*, **2020**, 324-332	0.9	1
198	VAIM: Visual Analytics for Influence Maximization. *Lecture Notes in Computer Science*, **2020**, 115-123	0.9	0
197	Edge Partitions and Visibility Representations of 1-planar Graphs **2020**, 89-107		
196	Rectilinear Planarity Testing of Plane Series-Parallel Graphs in Linear Time. *Lecture Notes in Computer Science*, **2020**, 436-449	0.9	4
195	Polyline drawings with topological constraints. *Theoretical Computer Science*, **2020**, 809, 250-264	1.1	1
194	Colored anchored visibility representations in 2D and 3D space. *Computational Geometry: Theory and Applications*, **2020**, 89, 101592	0.4	
193	Graph Planarity by Replacing Cliques with Paths. *Algorithms*, **2020**, 13, 194	1.8	3
192	Simple k-planar graphs are simple (k + 1)-quasiplanar. *Journal of Combinatorial Theory Series B*, **2020**, 142, 1-35	1.1	6
191	NodeTrix Planarity Testing with Small Clusters. *Algorithmica*, **2019**, 81, 3464-3493	0.9	9
190	A Distributed Multilevel Force-Directed Algorithm. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 754-765	3.7	8
189	Visual querying and analysis of temporal fiscal networks. *Information Sciences*, **2019**, 505, 406-421	7.7	5
188	Universal Slope Sets for 1-Bend Planar Drawings. *Algorithmica*, **2019**, 81, 2527-2556	0.9	3
187	Sketched Representations and Orthogonal Planarity of Bounded Treewidth Graphs. *Lecture Notes in Computer Science*, **2019**, 379-392	0.9	5
186	The QuaSEFE Problem. *Lecture Notes in Computer Science*, **2019**, 268-275	0.9	1
185	(k, p)-Planarity: A Relaxation of Hybrid Planarity. *Lecture Notes in Computer Science*, **2019**, 148-159	0.9	5
184	A Survey on Graph Drawing Beyond Planarity. *ACM Computing Surveys*, **2019**, 52, 1-37	13.4	38
183	On the edge-length ratio of outerplanar graphs. *Theoretical Computer Science*, **2019**, 770, 88-94	1.1	5

182	Edge partitions of optimal 2-plane and 3-plane graphs. *Discrete Mathematics*, **2019**, 342, 1038-1047	0.7	6
181	HV-planarity: Algorithms and complexity. *Journal of Computer and System Sciences*, **2019**, 99, 72-90	1	5
180	Drawing subcubic planar graphs with four slopes and optimal angular resolution. *Theoretical Computer Science*, **2018**, 714, 51-73	1.1	7
179	New results on edge partitions of 1-plane graphs. *Theoretical Computer Science*, **2018**, 713, 78-84	1.1	7
178	Profiling distributed graph processing systems through visual analytics. *Future Generation Computer Systems*, **2018**, 87, 43-57	7.5	3
177	A visual analytics system to support tax evasion discovery. *Decision Support Systems*, **2018**, 110, 71-83	5.6	16
176	The Partial Visibility Representation Extension Problem. *Algorithmica*, **2018**, 80, 2286-2323	0.9	7
175	1-page and 2-page drawings with bounded number of crossings per edge. *European Journal of Combinatorics*, **2018**, 68, 24-37	0.7	6
174	Ortho-Polygon Visibility Representations of 3-Connected 1-Plane Graphs. *Lecture Notes in Computer Science*, **2018**, 524-537	0.9	2
173	Turning Cliques into Paths to Achieve Planarity. *Lecture Notes in Computer Science*, **2018**, 67-74	0.9	2
172	Edge Partitions of Optimal 2-plane and 3-plane Graphs. *Lecture Notes in Computer Science*, **2018**, 27-39	0.9	1
171	Beyond Outerplanarity. *Lecture Notes in Computer Science*, **2018**, 546-559	0.9	5
170	Bend-Minimum Orthogonal Drawings in Quadratic Time. *Lecture Notes in Computer Science*, **2018**, 481-494	0.9	8
169	Colored Point-Set Embeddings of Acyclic Graphs. *Lecture Notes in Computer Science*, **2018**, 413-425	0.9	3
168	NodeTrix Planarity Testing with Small Clusters. *Lecture Notes in Computer Science*, **2018**, 479-491	0.9	6
167	Ortho-polygon Visibility Representations of Embedded Graphs. *Algorithmica*, **2018**, 80, 2345-2383	0.9	16
166	On the Planar Split Thickness of Graphs. *Algorithmica*, **2018**, 80, 977-994	0.9	11
165	Visibility representations of boxes in 2.5 dimensions. *Computational Geometry: Theory and Applications*, **2018**, 72, 19-33	0.4	4

164	Embedding-Preserving Rectangle Visibility Representations of Nonplanar Graphs. *Discrete and Computational Geometry*, **2018**, 60, 345-380	0.6	8
163	On partitioning the edges of 1-plane graphs. *Theoretical Computer Science*, **2017**, 662, 59-65	1.1	8
162	Large graph visualizations using a distributed computing platform. *Information Sciences*, **2017**, 381, 124-141	7.1	16
161	An annotated bibliography on 1-planarity. *Computer Science Review*, **2017**, 25, 49-67	8.3	66
160	On RAC drawings of 1-planar graphs. *Theoretical Computer Science*, **2017**, 689, 48-57	1.1	20
159	Area-Thickness Trade-Offs for Straight-Line Drawings of Planar Graphs. *Computer Journal*, **2017**, 60, 135-142	1.3	1
158	On the Relationship Between k-Planar and k-Quasi-Planar Graphs. *Lecture Notes in Computer Science*, **2017**, 59-74	0.9	7
157	Recognizing and drawing IC-planar graphs. *Theoretical Computer Science*, **2016**, 636, 1-16	1.1	33
156	L-visibility drawings of IC-planar graphs. *Information Processing Letters*, **2016**, 116, 217-222	0.8	18
155	1-Bend Upward Planar Drawings of SP-Digraphs. *Lecture Notes in Computer Science*, **2016**, 123-130	0.9	2
154	The Partial Visibility Representation Extension Problem. *Lecture Notes in Computer Science*, **2016**, 266-279	0.9	2
153	1-Bend RAC Drawings of 1-Planar Graphs. *Lecture Notes in Computer Science*, **2016**, 335-343	0.9	1
152	Ortho-Polygon Visibility Representations of Embedded Graphs. *Lecture Notes in Computer Science*, **2016**, 280-294	0.9	1
151	Visibility Representations of Boxes in 2.5 Dimensions. *Lecture Notes in Computer Science*, **2016**, 251-265	0.9	2
150	1-Page and 2-Page Drawings with Bounded Number of Crossings per Edge. *Lecture Notes in Computer Science*, **2016**, 38-51	0.9	2
149	Partial edge drawing: Homogeneity is more important than crossings and ink **2016**,		6
148	Simultaneous visibility representations of plane st-graphs using L-shapes. *Theoretical Computer Science*, **2016**, 645, 100-111	1.1	10
147	The Approximate Rectangle of Influence Drawability Problem. *Algorithmica*, **2015**, 72, 620-655	0.9	

146	A Linear-Time Algorithm for Testing Outer-1-Planarity. *Algorithmica*, **2015**, 72, 1033-1054	0.9	26
145	Low ply graph drawing **2015**,		5
144	Planar and Quasi-Planar Simultaneous Geometric Embedding. *Computer Journal*, **2015**, 58, 3126-3140	1.3	11
143	Drawing Outer 1-planar Graphs with Few Slopes. *Journal of Graph Algorithms and Applications*, **2015**, 19, 707-741	1.5	11
142	Straight-Line Drawability of a Planar Graph Plus an Edge. *Lecture Notes in Computer Science*, **2015**, 301-313	0.9	6
141	Alternating Paths and Cycles of Minimum Length. *Lecture Notes in Computer Science*, **2015**, 383-394	0.9	
140	Recognizing and Drawing IC-Planar Graphs. *Lecture Notes in Computer Science*, **2015**, 295-308	0.9	1
139	**2014**,		4
138	3D proportional contact representations of graphs **2014**,		2
137	Network visualization for financial crime detection. *Journal of Visual Languages and Computing*, **2014**, 25, 433-451		25
136	Techniques for Edge Stratification of Complex Graph Drawings. *Journal of Visual Languages and Computing*, **2014**, 25, 533-543		5
135	Planar and Quasi Planar Simultaneous Geometric Embedding. *Lecture Notes in Computer Science*, **2014**, 52-63	0.9	1
134	2-Layer Right Angle Crossing Drawings. *Algorithmica*, **2014**, 68, 954-997	0.9	20
133	Drawing Outer 1-planar Graphs with Few Slopes. *Lecture Notes in Computer Science*, **2014**, 174-185	0.9	2
132	The Planar Slope Number of Subcubic Graphs. *Lecture Notes in Computer Science*, **2014**, 132-143	0.9	6
131	A Model of Web-Based Follow-Up to Reduce Assistive Technology Abandonment. *Lecture Notes in Computer Science*, **2014**, 674-682	0.9	
130	On the Complexity of HV-rectilinear Planarity Testing. *Lecture Notes in Computer Science*, **2014**, 343-354	0.9	3
129	A linear time algorithm for testing maximal 1-planarity of graphs with a rotation system. *Theoretical Computer Science*, **2013**, 513, 65-76	1.1	29

128	Approximate proximity drawings. *Computational Geometry: Theory and Applications*, **2013**, 46, 604-614	0.4	1
127	Right angle crossing graphs and 1-planarity. *Discrete Applied Mathematics*, **2013**, 161, 961-969	1	46
126	Area requirement of graph drawings with few crossings per edge. *Computational Geometry: Theory and Applications*, **2013**, 46, 909-916	0.4	18
125	Lower and Upper Bounds for Long Induced Paths in 3-Connected Planar Graphs. *Lecture Notes in Computer Science*, **2013**, 213-224	0.9	2
124	**2013**,		1
123	PROXIMITY DRAWINGS OF HIGH-DEGREE TREES. *International Journal of Computational Geometry and Applications*, **2013**, 23, 213-230	0.3	1
122	Planar and Plane Slope Number of Partial 2-Trees. *Lecture Notes in Computer Science*, **2013**, 412-423	0.9	12
121	A Linear-Time Algorithm for Testing Outer-1-Planarity. *Lecture Notes in Computer Science*, **2013**, 71-82	0.9	7
120	The Approximate Rectangle of Influence Drawability Problem. *Lecture Notes in Computer Science*, **2013**, 114-125	0.9	1
119	Point-Set Embeddability of 2-Colored Trees. *Lecture Notes in Computer Science*, **2013**, 291-302	0.9	3
118	Testing Maximal 1-Planarity of Graphs with a Rotation System in Linear Time. *Lecture Notes in Computer Science*, **2013**, 339-345	0.9	9
117	On Representing Graphs by Touching Cuboids. *Lecture Notes in Computer Science*, **2013**, 187-198	0.9	9
116	Exploring Complex Drawings via Edge Stratification. *Lecture Notes in Computer Science*, **2013**, 304-315	0.9	1
115	Drawings of Graphs. *Discrete Mathematics and Its Applications*, **2013**, 1239-1290		1
114	The Crossing-Angle Resolution in Graph Drawing **2013**, 167-184		15
113	Bounds on the crossing resolution of complete geometric graphs. *Discrete Applied Mathematics*, **2012**, 160, 132-139	1	8
112	Universal point sets for 2-coloured trees. *Information Processing Letters*, **2012**, 112, 346-350	0.8	2
111	Drawing a tree as a minimum spanning tree approximation. *Journal of Computer and System Sciences*, **2012**, 78, 491-503	1	4

110	The Shape of Orthogonal Cycles in Three Dimensions. *Discrete and Computational Geometry*, **2012**, 47, 461-491	0.6	5
109	Vertex angle and crossing angle resolution of leveled tree drawings. *Information Processing Letters*, **2012**, 112, 630-635	0.8	7
108	Hamiltonian orthogeodesic alternating paths. *Journal of Discrete Algorithms*, **2012**, 16, 34-52		7
107	Right Angle Crossing Graphs and 1-Planarity. *Lecture Notes in Computer Science*, **2012**, 148-153	0.9	7
106	Approximate Proximity Drawings. *Lecture Notes in Computer Science*, **2012**, 166-178	0.9	4
105	Heuristics for the Maximum 2-layer RAC Subgraph Problem. *Lecture Notes in Computer Science*, **2012**, 211-216	0.9	1
104	F□y□ Theorem for 1-Planar Graphs. *Lecture Notes in Computer Science*, **2012**, 335-346	0.9	35
103	Large Angle Crossing Drawings of Planar Graphs in Subquadratic Area. *Lecture Notes in Computer Science*, **2012**, 200-209	0.9	7
102	h-Quasi Planar Drawings of Bounded Treewidth Graphs in Linear Area. *Lecture Notes in Computer Science*, **2012**, 91-102	0.9	10
101	On Point-Sets That Support Planar Graphs. *Lecture Notes in Computer Science*, **2012**, 64-74	0.9	2
100	Upward Topological Book Embeddings of DAGs. *SIAM Journal on Discrete Mathematics*, **2011**, 25, 479-489	0.7	
99	Drawing graphs with right angle crossings. *Theoretical Computer Science*, **2011**, 412, 5156-5166	1.1	88
98	Visual Analysis of Large Graphs Using (X,Y)-Clustering and Hybrid Visualizations. *IEEE Transactions on Visualization and Computer Graphics*, **2011**, 17, 1587-98	4	36
97	Colored Simultaneous Geometric Embeddings and Universal Pointsets. *Algorithmica*, **2011**, 60, 569-592	0.9	9
96	Area, Curve Complexity, and Crossing Resolution of Non-Planar Graph Drawings. *Theory of Computing Systems*, **2011**, 49, 565-575	0.6	23
95	**2011**,		19
94	Geometric Simultaneous Embeddings of a Graph and a Matching. *Journal of Graph Algorithms and Applications*, **2011**, 15, 79-96	1.5	9
93	A Graph Drawing Application to Web Site Traffic Analysis. *Journal of Graph Algorithms and Applications*, **2011**, 15, 229-251	1.5	9

92	Topology-Driven Force-Directed Algorithms. *Lecture Notes in Computer Science*, **2011**, 165-176	0.9	16
91	2-Layer Right Angle Crossing Drawings. *Lecture Notes in Computer Science*, **2011**, 156-169	0.9	4
90	Hamiltonian Orthogeodesic Alternating Paths. *Lecture Notes in Computer Science*, **2011**, 170-181	0.9	2
89	Universal Pointsets for 2-Coloured Trees. *Lecture Notes in Computer Science*, **2011**, 365-370	0.9	
88	On Graphs Supported by Line Sets. *Lecture Notes in Computer Science*, **2011**, 177-182	0.9	3
87	Visual analysis of large graphs using (X,Y)-clustering and hybrid visualizations **2010**,		5
86	Graph visualization techniques for conceptual Web site traffic analysis **2010**,		4
85	CONSTRAINED POINT-SET EMBEDDABILITY OF PLANAR GRAPHS. *International Journal of Computational Geometry and Applications*, **2010**, 20, 577-600	0.3	6
84	Visual analysis of financial crimes **2010**,		6
83	Upward Spirality and Upward Planarity Testing. *SIAM Journal on Discrete Mathematics*, **2010**, 23, 1842-1899	0.7	24
82	Matched drawability of graph pairs and of graph triples. *Computational Geometry: Theory and Applications*, **2010**, 43, 611-634	0.4	1
81	Drawing Colored Graphs with Constrained Vertex Positions and Few Bends per Edge. *Algorithmica*, **2010**, 57, 796-818	0.9	15
80	Universal Sets of n Points for One-bend Drawings of Planar Graphs with n Vertices. *Discrete and Computational Geometry*, **2010**, 43, 272-288	0.6	19
79	A characterization of complete bipartite RAC graphs. *Information Processing Letters*, **2010**, 110, 687-691	0.8	26
78	Upward straight-line embeddings of directed graphs into point sets. *Computational Geometry: Theory and Applications*, **2010**, 43, 219-232	0.4	15
77	Visual Analysis of One-To-Many Matched Graphs. *Journal of Graph Algorithms and Applications*, **2010** , 14, 97-119	1.5	4
76	The Hamiltonian Augmentation Problem and Its Applications to Graph Drawing. *Lecture Notes in Computer Science*, **2010**, 35-46	0.9	4
75	Area, Curve Complexity, and Crossing Resolution of Non-planar Graph Drawings. *Lecture Notes in Computer Science*, **2010**, 15-20	0.9	7

74	Geometric Simultaneous Embeddings of a Graph and a Matching. *Lecture Notes in Computer Science*, **2010**, 183-194	0.9	2
73	Beyond a Visuocentric Way of a Visual Web Search Clustering Engine: The Sonification of WhatsOnWeb. *Lecture Notes in Computer Science*, **2010**, 351-357	0.9	1
72	Drawing a Tree as a Minimum Spanning Tree Approximation. *Lecture Notes in Computer Science*, **2010**, 61-72	0.9	2
71	A visual sonificated web search clustering engine. *Cognitive Processing*, **2009**, 10 Suppl 2, S286-9	1.5	1
70	Point-set embeddings of trees with given partial drawings. *Computational Geometry: Theory and Applications*, **2009**, 42, 664-676	0.4	11
69	Volume requirements of 3D upward drawings. *Discrete Mathematics*, **2009**, 309, 1824-1837	0.7	1
68	Matched Drawings of Planar Graphs. *Journal of Graph Algorithms and Applications*, **2009**, 13, 423-445	1.5	4
67	Visual Analysis of One-to-Many Matched Graphs. *Lecture Notes in Computer Science*, **2009**, 133-144	0.9	4
66	Drawing Graphs with Right Angle Crossings. *Lecture Notes in Computer Science*, **2009**, 206-217	0.9	25
65	Matched Drawability of Graph Pairs and of Graph Triples. *Lecture Notes in Computer Science*, **2009**, 322-333	0.9	1
64	Embeddability Problems for Upward Planar Digraphs. *Lecture Notes in Computer Science*, **2009**, 242-253	0.9	3
63	Constrained Point-Set Embeddability of Planar Graphs. *Lecture Notes in Computer Science*, **2009**, 360-371	0.9	1
62	WhatsOnWeb+ : An Enhanced Visual Search Clustering Engine **2008**,		5
61	On the Parameterized Complexity of Layered Graph Drawing. *Algorithmica*, **2008**, 52, 267-292	0.9	31
60	Radial drawings of graphs: Geometric constraints and trade-offs. *Journal of Discrete Algorithms*, **2008**, 6, 109-124		4
59	Drawing colored graphs on colored points. *Theoretical Computer Science*, **2008**, 408, 129-142	1.1	31
58	k-colored Point-set Embeddability of Outerplanar Graphs. *Journal of Graph Algorithms and Applications*, **2008**, 12, 29-49	1.5	20
57	Overlapping Cluster Planarity. *Journal of Graph Algorithms and Applications*, **2008**, 12, 267-291	1.5	5

56	Drawing Colored Graphs with Constrained Vertex Positions and Few Bends per Edge. *Lecture Notes in Computer Science*, **2008**, 315-326	0.9	1
55	Point-Set Embedding of Trees with Edge Constraints. *Lecture Notes in Computer Science*, **2008**, 113-124	0.9	1
54	Matched Drawings of Planar Graphs. *Lecture Notes in Computer Science*, **2008**, 183-194	0.9	5
53	SIMULTANEOUS EMBEDDING OF OUTERPLANAR GRAPHS, PATHS, AND CYCLES. *International Journal of Computational Geometry and Applications*, **2007**, 17, 139-160	0.3	26
52	Graph visualization techniques for web clustering engines. *IEEE Transactions on Visualization and Computer Graphics*, **2007**, 13, 294-304	4	51
51	Overlapping cluster planarity **2007**,		1
50	k-Colored Point-Set Embeddability of Outerplanar Graphs. *Lecture Notes in Computer Science*, **2007**, 318-329	0.9	4
49	Radial Drawings of Graphs: Geometric Constraints and Trade-Offs. *Lecture Notes in Computer Science*, **2007**, 355-366	0.9	2
48	Drawing Bipartite Graphs on Two Curves. *Lecture Notes in Computer Science*, **2007**, 380-385	0.9	4
47	Drawing Colored Graphs on Colored Points. *Lecture Notes in Computer Science*, **2007**, 102-113	0.9	7
46	Universal Sets of n Points for 1-Bend Drawings of Planar Graphs with n Vertices **2007**, 345-351		2
45	The strength of weak proximity. *Journal of Discrete Algorithms*, **2006**, 4, 384-400		14
44	Volume Requirements of 3D Upward Drawings. *Lecture Notes in Computer Science*, **2006**, 101-110	0.9	1
43	ON EMBEDDING A GRAPH ON TWO SETS OF POINTS. *International Journal of Foundations of Computer Science*, **2006**, 17, 1071-1094	0.6	19
42	Graph Visualization and Data Mining **2006**, 35-63		8
41	. *Theoretical Computer Science*, **2006**, 359, 148-175	1.1	
40	A Fixed-Parameter Approach to 2-Layer Planarization. *Algorithmica*, **2006**, 45, 159-182	0.9	20
39	Book Embeddability of Series-Parallel Digraphs. *Algorithmica*, **2006**, 45, 531-547	0.9	18

38	How to Embed a Path onto Two Sets of Points. *Lecture Notes in Computer Science*, **2006**, 111-116	0.9	2
37	WhatsOnWeb: Using Graph Drawing to Search the Web. *Lecture Notes in Computer Science*, **2006**, 480-491	0.9	1
36	Upward Spirality and Upward Planarity Testing. *Lecture Notes in Computer Science*, **2006**, 117-128	0.9	6
35	Curve-constrained drawings of planar graphs. *Computational Geometry: Theory and Applications*, **2005**, 30, 1-23	0.4	33
34	Computing straight-line 3D grid drawings of graphs in linear volume. *Computational Geometry: Theory and Applications*, **2005**, 32, 26-58	0.4	14
33	Orthogonal drawings of graphs with vertex and edge labels. *Computational Geometry: Theory and Applications*, **2005**, 32, 71-114	0.4	11
32	Computing Radial Drawings on the Minimum Number of Circles. *Journal of Graph Algorithms and Applications*, **2005**, 9, 365-389	1.5	6
31	Computing Radial Drawings on the Minimum Number of Circles. *Lecture Notes in Computer Science*, **2005**, 251-261	0.9	
30	Hamiltonian-with-Handles Graphs and the k-Spine Drawability Problem. *Lecture Notes in Computer Science*, **2005**, 262-272	0.9	
29	A Topology-Driven Approach to the Design of Web Meta-search Clustering Engines. *Lecture Notes in Computer Science*, **2005**, 106-116	0.9	4
28	Selected Open Problems in Graph Drawing. *Lecture Notes in Computer Science*, **2004**, 515-539	0.9	26
27	A note on 3D orthogonal drawings with direction constrained edges. *Information Processing Letters*, **2004**, 90, 97-101	0.8	5
26	Optimal and suboptimal robust algorithms for proximity graphs. *Computational Geometry: Theory and Applications*, **2003**, 25, 35-49	0.4	2
25	Voronoi drawings of trees. *Computational Geometry: Theory and Applications*, **2003**, 24, 147-178	0.4	12
24	Straight-Line Drawings on Restricted Integer Grids in Two and Three Dimensions. *Journal of Graph Algorithms and Applications*, **2003**, 7, 363-398	1.5	60
23	The drawability problem for minimum weight triangulations. *Theoretical Computer Science*, **2002**, 270, 261-286	1.1	7
22	Embedding problems for paths with direction constrained edges. *Theoretical Computer Science*, **2002**, 289, 897-917	1.1	9
21	Straight-Line Drawings on Restricted Integer Grids in Two and Three Dimensions. *Lecture Notes in Computer Science*, **2002**, 328-342	0.9	15

20	Orthogonal 3D Shapes of Theta Graphs. *Lecture Notes in Computer Science*, **2002**, 142-149	0.9	3
19	Minimum Weight Drawings of Maximal Triangulations. *Lecture Notes in Computer Science*, **2001**, 338-349	0.9	
18	Orthogonal Drawings of Cycles in 3D Space. *Lecture Notes in Computer Science*, **2001**, 272-283	0.9	4
17	Experimental studies on graph drawing algorithms. *Software - Practice and Experience*, **2000**, 30, 1235-1284	0.5	8
16	Turn-regularity and optimal area drawings of orthogonal representations. *Computational Geometry: Theory and Applications*, **2000**, 16, 53-93	0.4	24
15	Infinite Trees and the Future. *Lecture Notes in Computer Science*, **1999**, 379-391	0.9	5
14	Spirality and Optimal Orthogonal Drawings. *SIAM Journal on Computing*, **1998**, 27, 1764-1811	1.1	57
13	Robust Proximity Queries: An Illustration of Degree-Driven Algorithm Design. *SIAM Journal on Computing*, **1998**, 28, 864-889	1.1	29
12	Computing Orthogonal Drawings in a Variable Embedding Setting. *Lecture Notes in Computer Science*, **1998**, 80-89	0.9	11
11	An experimental comparison of four graph drawing algorithms. *Computational Geometry: Theory and Applications*, **1997**, 7, 303-325	0.4	109
10	Area requirement of visibility representations of trees. *Information Processing Letters*, **1997**, 62, 81-88	0.8	10
9	Proximity drawings of outerplanar graphs (extended abstract). *Lecture Notes in Computer Science*, **1997**, 286-302	0.9	10
8	Drawable and forbidden minimum weight triangulations. *Lecture Notes in Computer Science*, **1997**, 1-12	0.9	2
7	The Mocha algorithm animation system **1996**,		4
6	Algorithm animation over the World Wide Web **1996**,		13
5	GD-Workbench: A system for prototyping and testing graph drawing algorithms. *Lecture Notes in Computer Science*, **1996**, 111-122	0.9	4
4	Drawing outerplanar minimum weight triangulations. *Information Processing Letters*, **1996**, 57, 253-260	0.8	12
3	Diagram Server. *Journal of Visual Languages and Computing*, **1995**, 6, 275-298		16

2	Proximity drawability: A survey extended abstract. *Lecture Notes in Computer Science*, **1995**, 328-339	0.9	17
1	Proximity constraints and representable trees (extended abstract). *Lecture Notes in Computer Science*, **1995**, 340-351	0.9	10