Stephen G Kobourov

List of Publications by Year
in descending order

229 papers	3,751 citations	212478 28 h-index	263392 45 g-index
262 all docs	262 docs citations	262 times ranked	2406 citing authors

#	Article	IF	Citations
1	Multicriteria Optimization for Dynamic Demers Cartograms. IEEE Transactions on Visualization and Computer Graphics, 2022, PP, 1-1.	2.9	0
2	Multicriteria Scalable Graph Drawing via Stochastic Gradient Descent, (SGD)^2. IEEE Transactions on Visualization and Computer Graphics, 2022, PP, 1-1.	2.9	3
3	Browser-based Hyperbolic Visualization of Graphs. , 2022, , .		1
4	MetroSets: Visualizing Sets as Metro Maps. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1257-1267.	2.9	20
5	Same Stats, Different Graphs: Exploring the Space of Graphs in Terms of Graph Properties. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 2056-2072.	2.9	8
6	Multi-Perspective, Simultaneous Embedding. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1569-1579.	2.9	2
7	On the Readability of Abstract Set Visualizations. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 2821-2832.	2.9	2
8	Using the Metro-Map Metaphor for Drawing Hypergraphs. Lecture Notes in Computer Science, 2021, , 361-372.	1.0	2
9	Visualizing JIT Compiler Graphs. Lecture Notes in Computer Science, 2021, , 138-146.	1.0	0
10	Event-Based Dynamic Graph Visualisation. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 2373-2386.	2.9	16
11	Online facility assignment. Theoretical Computer Science, 2020, 806, 455-467.	0.5	8
12	Graph spanners: A tutorial review. Computer Science Review, 2020, 37, 100253.	10.2	31
13	Graph Planarity by Replacing Cliques with Paths. Algorithms, 2020, 13, 194.	1.2	6
14	The Turing Test for Graph Drawing Algorithms. Lecture Notes in Computer Science, 2020, , 466-481.	1.0	2
15	Graph Drawing via Gradient Descent, $$(GD)^2$$. Lecture Notes in Computer Science, 2020, , 3-17.	1.0	9
16	Drawing Graphs on the Sphere. , 2020, , .		6
17	Drawing Shortest Paths in Geodetic Graphs. Lecture Notes in Computer Science, 2020, , 333-340.	1.0	0
18	Packing Trees into 1-Planar Graphs. Lecture Notes in Computer Science, 2020, , 81-93.	1.0	0

#	Article	IF	Citations
19	Recognition and drawing of stick graphs. Theoretical Computer Science, 2019, 796, 22-33.	0.5	3
20	Multi-level Steiner Trees. Journal of Experimental Algorithmics, 2019, 24, 1-22.	0.7	4
21	Node-Link or Adjacency Matrices: Old Question, New Insights. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 2940-2952.	2.9	35
22	A Test of The Risk Perception Attitude Framework as a Message Tailoring Strategy to Promote Diabetes Screening. Health Communication, 2019, 34, 672-679.	1.8	22
23	Stress-Plus-X (SPX) Graph Layout. Lecture Notes in Computer Science, 2019, , 291-304.	1.0	6
24	The QuaSEFE Problem. Lecture Notes in Computer Science, 2019, , 268-275.	1.0	1
25	Computing Stable Demers Cartograms. Lecture Notes in Computer Science, 2019, , 46-60.	1.0	3
26	Symmetry Detection and Classification in Drawings of Graphs. Lecture Notes in Computer Science, 2019, , 499-513.	1.0	3
27	Approximating the Generalized Minimum Manhattan Network Problem. Algorithmica, 2018, 80, 1170-1190.	1.0	7
28	Evaluating Cartogram Effectiveness. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 1077-1090.	2.9	28
29	Table cartogram. Computational Geometry: Theory and Applications, 2018, 68, 174-185.	0.3	7
30	Cartogram Visualization for Bivariate Geo-Statistical Data. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 2675-2688.	2.9	10
31	On the Planar Split Thickness of Graphs. Algorithmica, 2018, 80, 977-994.	1.0	16
32	REMatch: Research Expert Matching System. , 2018, , .		1
33	GRAM. , 2018, , .		6
34	The Perception of Graph Properties in Graph Layouts. Computer Graphics Forum, 2018, 37, 169-181.	1.8	20
35	Same Stats, Different Graphs. Lecture Notes in Computer Science, 2018, , 463-477.	1.0	5
36	Revisited Experimental Comparison ofÂNode-Link and Matrix Representations. Lecture Notes in Computer Science, 2018, , 287-302.	1.0	6

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37	Calorie Estimation From Pictures of Food: Crowdsourcing Study. Interactive Journal of Medical Research, 2018, 7, e17.	0.6	8
38	On the Maximum Crossing Number. Journal of Graph Algorithms and Applications, 2018, 22, 67-87.	0.4	5
39	Drawing Dynamic Graphs Without Timeslices. Lecture Notes in Computer Science, 2018, , 394-409.	1.0	9
40	Turning Cliques into Paths to Achieve Planarity. Lecture Notes in Computer Science, 2018, , 67-74.	1.0	3
41	Perception of Symmetries in Drawings of Graphs. Lecture Notes in Computer Science, 2018, , 433-446.	1.0	3
42	On the Maximum Crossing Number. Lecture Notes in Computer Science, 2018, , 61-74.	1.0	0
43	Lombardi Drawings of Knots and Links. Lecture Notes in Computer Science, 2018, , 113-126.	1.0	2
44	On Vertex- and Empty-Ply Proximity Drawings. Lecture Notes in Computer Science, 2018, , 24-37.	1.0	2
45	Online Facility Assignment. Lecture Notes in Computer Science, 2018, , 156-168.	1.0	0
46	Improved Approximation Algorithms for Box Contact Representations. Algorithmica, 2017, 77, 902-920.	1.0	5
47	Threshold-coloring and unit-cube contact representation of planar graphs. Discrete Applied Mathematics, 2017, 216, 2-14.	0.5	0
48	Orthogonal layout with optimal face complexity. Computational Geometry: Theory and Applications, 2017, 63, 40-52.	0.3	1
49	The maximum k-differential coloring problem. Journal of Discrete Algorithms, 2017, 45, 35-53.	0.7	2
50	Graph Layouts by t€SNE. Computer Graphics Forum, 2017, 36, 283-294.	1.8	48
51	An annotated bibliography on 1-planarity. Computer Science Review, 2017, 25, 49-67.	10.2	89
52	Measuring Symmetry in Drawings of Graphs. Computer Graphics Forum, 2017, 36, 341-351.	1.8	8
53	Crowdsourcing for Information Visualization: Promises and Pitfalls. Lecture Notes in Computer Science, 2017, , 96-138.	1.0	18
54	Vertex-Coloring with Defects. Journal of Graph Algorithms and Applications, 2017, 21, 313-340.	0.4	8

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55	An Experimental Study on the Ply Number of Straight-Line Drawings. Lecture Notes in Computer Science, 2017, , 135-148.	1.0	2
56	Analysis of Network Clustering Algorithms and Cluster Quality Metrics at Scale. PLoS ONE, 2016, 11, e0159161.	1.1	143
57	Comparing Node–Link and Node–Link–Group Visualizations From An Enjoyment Perspective. Computer Graphics Forum, 2016, 35, 41-50.	1.8	18
58	The State of the Art in Cartograms. Computer Graphics Forum, 2016, 35, 619-642.	1.8	69
59	Orthogonal Layout with Optimal Face Complexity. Lecture Notes in Computer Science, 2016, , 121-133.	1.0	3
60	Low Ply Drawings of Trees. Lecture Notes in Computer Science, 2016, , 236-248.	1.0	4
61	On Contact Graphs with Cubes and Proportional Boxes. Lecture Notes in Computer Science, 2016, , 107-120.	1.0	1
62	Canonical Orders and Schnyder Realizers. , 2016, , 277-283.		1
63	Low ply graph drawing. , 2015, , .		6
64	Quantitative Measures for Cartogram Generation Techniques. Computer Graphics Forum, 2015, 34, 351-360.	1.8	22
65	Map–based Visualizations Increase Recall Accuracy of Data. Computer Graphics Forum, 2015, 34, 441-450.	1.8	47
66	SOFSEM 2015: Theory and Practice of Computer Science. Lecture Notes in Computer Science, 2015, , .	1.0	0
67	Monotone Drawings of Graphs with Fixed Embedding. Algorithmica, 2015, 71, 233-257.	1.0	15
68	Approximating Minimum Manhattan Networks in Higher Dimensions. Algorithmica, 2015, 71, 36-52.	1.0	3
69	Gestalt Principles in Graph Drawing. Lecture Notes in Computer Science, 2015, , 558-560.	1.0	11
70	Contact Representations of Graphs in 3D. Lecture Notes in Computer Science, 2015, , 14-27.	1.0	6
71	MapSets: Visualizing Embedded and Clustered Graphs. Journal of Graph Algorithms and Applications, 2015, 19, 571-593.	0.4	8
72	Contact Graphs of Circular Arcs. Lecture Notes in Computer Science, 2015, , 1-13.	1.0	4

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73	Fitting Planar Graphs on Planar Maps. Journal of Graph Algorithms and Applications, 2015, 19, 413-440.	0.4	4
74	The Maximum k-Differential Coloring Problem. Lecture Notes in Computer Science, 2015, , 115-127.	1.0	0
75	On Embeddability of Buses in Point Sets. Lecture Notes in Computer Science, 2015, , 395-408.	1.0	1
76	Analyzing the language of food on social media. , 2014, , .		46
77	Node, Node-Link, and Node-Link-Group Diagrams: An Evaluation. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 2231-2240.	2.9	37
78	Graph Drawing. Lecture Notes in Computer Science, 2014, , .	1.0	0
79	IMap. , 2014, , .		8
80	Maps of Computer Science. , 2014, , .		24
81	A note on maximum differential coloring of planar graphs. Journal of Discrete Algorithms, 2014, 29, 1-7.	0.7	5
82	3D proportional contact representations of graphs. , 2014, , .		2
83	Viewing Abstract Data as Maps. , 2014, , 63-89.		6
84	Multivariate Network Visualization. Lecture Notes in Computer Science, 2014, , .	1.0	38
85	Temporal Multivariate Networks. Lecture Notes in Computer Science, 2014, , 151-174.	1.0	27
86	Experimental Comparison of Semantic Word Clouds. Lecture Notes in Computer Science, 2014, , 247-258.	1.0	31
87	Smooth Orthogonal Drawings of Planar Graphs. Lecture Notes in Computer Science, 2014, , 144-155.	1.0	6
88	Semantic Word Cloud Representations: Hardness and Approximation Algorithms. Lecture Notes in Computer Science, 2014, , 514-525.	1.0	20
89	Are Crossings Important for Drawing Large Graphs?. Lecture Notes in Computer Science, 2014, , 234-245.	1.0	25
90	MapSets: Visualizing Embedded and Clustered Graphs. Lecture Notes in Computer Science, 2014, , 452-463.	1.0	10

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91	Embedding, Clustering and Coloring for Dynamic Maps. Journal of Graph Algorithms and Applications, 2014, 18, 77-109.	0.4	3
92	Fun with Algorithms. Lecture Notes in Computer Science, 2014, , .	1.0	0
93	SOFSEM 2014: Theory and Practice of Computer Science. Lecture Notes in Computer Science, 2014, , .	1.0	3
94	Happy Edges: Threshold-Coloring of Regular Lattices. Lecture Notes in Computer Science, 2014, , 28-39.	1.0	4
95	Fitting Planar Graphs on Planar Maps. Lecture Notes in Computer Science, 2014, , 52-64.	1.0	0
96	Improved Approximation Algorithms for Box Contact Representations. Lecture Notes in Computer Science, 2014, , 87-99.	1.0	1
97	Linear-Time Algorithms for Hole-free Rectilinear Proportional Contact Graph Representations. Algorithmica, 2013, 67, 3-22.	1.0	7
98	Computing Cartograms with Optimal Complexity. Discrete and Computational Geometry, 2013, 50, 784-810.	0.4	35
99	Drawing Trees with Perfect Angular Resolution and Polynomial Area. Discrete and Computational Geometry, 2013, 49, 157-182.	0.4	12
100	Graph-Theoretic Concepts in Computer Science. Lecture Notes in Computer Science, 2013, , .	1.0	0
101	Circular-arc cartograms. , 2013, , .		12
102	Graph Drawing. Lecture Notes in Computer Science, 2013, , .	1.0	0
103	Guest Editors' Introduction: Special Section on the IEEE Pacific Visualization Symposium 2012. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 898-899.	2.9	0
104	Straight-Line Grid Drawings of 3-Connected 1-Planar Graphs. Lecture Notes in Computer Science, 2013, , 83-94.	1.0	22
105	Touching Triangle Representations for 3-Connected Planar Graphs. Lecture Notes in Computer Science, 2013, , 199-210.	1.0	10
106	Proportional Contact Representations of 4-Connected Planar Graphs. Lecture Notes in Computer Science, 2013, , 211-223.	1.0	1
107	On the Usability of Lombardi Graph Drawings. Lecture Notes in Computer Science, 2013, , 451-462.	1.0	16
108	Table Cartograms. Lecture Notes in Computer Science, 2013, , 421-432.	1.0	6

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109	Approximating the Generalized Minimum Manhattan Network Problem. Lecture Notes in Computer Science, 2013, , 722-732.	1.0	1
110	Equilateral L-Contact Graphs. Lecture Notes in Computer Science, 2013, , 139-151.	1.0	9
111	Combinatorial and Geometric Properties of Planar Laman Graphs. , 2013, , .		11
112	Collection and Visualization of Dietary Behavior and Reasons for Eating Using Twitter. Journal of Medical Internet Research, 2013, 15, e125.	2.1	47
113	Smooth Orthogonal Layouts. Journal of Graph Algorithms and Applications, 2013, 17, 575-595.	0.4	12
114	Planar Preprocessing for Spring Embedders. Lecture Notes in Computer Science, 2013, , 388-399.	1.0	4
115	Graph Drawing. Lecture Notes in Computer Science, 2013, , .	1.0	1
116	On Representing Graphs by Touching Cuboids. Lecture Notes in Computer Science, 2013, , 187-198.	1.0	10
117	Threshold-Coloring and Unit-Cube Contact Representation of Graphs. Lecture Notes in Computer Science, 2013, , 26-37.	1.0	3
118	Smooth Orthogonal Layouts. Lecture Notes in Computer Science, 2013, , 150-161.	1.0	8
119	Force-Directed Lombardi-Style Graph Drawing. Lecture Notes in Computer Science, 2012, , 320-331.	1.0	19
120	Computing cartograms with optimal complexity. , 2012, , .		14
121	A message from the program chairs. , 2012, , .		0
122	Visualizing Dynamic Data with Maps. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 1424-1437.	2.9	46
123	Embedding, clustering and coloring for dynamic maps. , 2012, , .		23
124	Optimal Polygonal Representation of Planar Graphs. Algorithmica, 2012, 63, 672-691.	1.0	24
125	Planar and Poly-arc Lombardi Drawings. Lecture Notes in Computer Science, 2012, , 308-319.	1.0	11
126	Proportional Contact Representations of Planar Graphs. Lecture Notes in Computer Science, 2012, , 26-38.	1.0	8

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127	Lombardi Drawings of Graphs. Journal of Graph Algorithms and Applications, 2012, 16, 85-108.	0.4	34
128	Proportional Contact Representations of Planar Graphs. Journal of Graph Algorithms and Applications, 2012, 16, 701-728.	0.4	3
129	Monotone Drawings of Graphs with Fixed Embedding. Lecture Notes in Computer Science, 2012, , 379-390.	1.0	6
130	Graph Drawing. Lecture Notes in Computer Science, 2012, , .	1.0	1
131	Ranges of human mobility in Los Angeles and New York. , 2011, , .		50
132	Visualizing dynamic data with maps. , 2011, , .		10
133	Algorithms â€" ESA 2011. Lecture Notes in Computer Science, 2011, , .	1.0	3
134	Pervasive Computing. Lecture Notes in Computer Science, 2011, , .	1.0	3
135	Colored Simultaneous Geometric Embeddings andÂUniversal Pointsets. Algorithmica, 2011, 60, 569-592.	1.0	10
136	Characterizations of restricted pairs of planar graphs allowing simultaneous embedding with fixed edges. Computational Geometry: Theory and Applications, 2011, 44, 385-398.	0.3	8
137	Graph Drawing. Lecture Notes in Computer Science, 2011, , .	1.0	8
138	Lombardi Drawings of Graphs. Lecture Notes in Computer Science, 2011, , 195-207.	1.0	16
139	On Touching Triangle Graphs. Lecture Notes in Computer Science, 2011, , 250-261.	1.0	14
140	Identifying Important Places in Peopleâ€™s Lives from Cellular Network Data. Lecture Notes in Computer Science, 2011, , 133-151.	1.0	203
141	Linear-Time Algorithms for Hole-Free Rectilinear Proportional Contact Graph Representations. Lecture Notes in Computer Science, 2011, , 281-291.	1.0	6
142	Planar Drawings of Higher-Genus Graphs. Journal of Graph Algorithms and Applications, 2011, 15, 7-32.	0.4	11
143	On Graphs Supported by Line Sets. Lecture Notes in Computer Science, 2011, , 177-182.	1.0	3
144	Visualizing Graphs and Clusters as Maps. IEEE Computer Graphics and Applications, 2010, 30, 54-66.	1.0	50

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145	Upward straight-line embeddings of directed graphs into point sets. Computational Geometry: Theory and Applications, 2010, 43, 219-232.	0.3	17
146	GraphSET, a tool for simultaneous graph drawing. Software - Practice and Experience, 2010, 40, 849-863.	2.5	1
147	Force-directed approaches to sensor localization. ACM Transactions on Sensor Networks, 2010, 7, 1-25.	2.3	18
148	GMap: Visualizing graphs and clusters as maps. , 2010, , .		79
149	GMap: Drawing Graphs as Maps. Lecture Notes in Computer Science, 2010, , 405-407.	1.0	15
150	On the Characterization of Level Planar Trees by Minimal Patterns. Lecture Notes in Computer Science, 2010, , 69-80.	1.0	5
151	Planar Drawings of Higher-Genus Graphs. Lecture Notes in Computer Science, 2010, , 45-56.	1.0	1
152	MSDR-D Network Localization Algorithm. Lecture Notes in Computer Science, 2010, , 148-160.	1.0	3
153	Optimal Polygonal Representation of Planar Graphs. Lecture Notes in Computer Science, 2010, , 417-432.	1.0	8
154	Putting recommendations on the map. , 2009, , .		37
155	Simultaneous graph embedding with bends and circular arcs. Computational Geometry: Theory and Applications, 2009, 42, 173-182.	0.3	9
156	Characterization of unlabeled level planar trees. Computational Geometry: Theory and Applications, 2009, 42, 704-721.	0.3	16
157	Constrained Simultaneous and Near-Simultaneous Embeddings. Journal of Graph Algorithms and Applications, 2009, 13, 447-465.	0.4	4
158	Graph Simultaneous Embedding Tool, GraphSET. Lecture Notes in Computer Science, 2009, , 169-180.	1.0	0
159	Characterizing Simultaneous Embedding with Fixed Edges. Electronic Notes in Discrete Mathematics, 2008, 31, 41-44.	0.4	2
160	Upward Straight-Line Embeddings of Directed Graphs into Point Sets. Lecture Notes in Computer Science, 2008, , 122-133.	1.0	2
161	Characterizations of Restricted Pairs of Planar Graphs Allowing Simultaneous Embedding with Fixed Edges. Lecture Notes in Computer Science, 2008, , 146-158.	1.0	7
162	Morphing Planar Graphs in Spherical Space. Journal of Graph Algorithms and Applications, 2008, 12, 113-127.	0.4	7

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163	Graph Drawing Contest Report. Lecture Notes in Computer Science, 2008, , 395-400.	1.0	1
164	On simultaneous planar graph embeddings. Computational Geometry: Theory and Applications, 2007, 36, 117-130.	0.3	96
165	Minimum Level Nonplanar Patterns for Trees. , 2007, , 69-75.		7
166	Characterization of Unlabeled Level Planar Graphs. , 2007, , 37-49.		11
167	Fixed-Location Circular Arc Drawing of Planar Graphs. Journal of Graph Algorithms and Applications, 2007, 11, 145-164.	0.4	5
168	Graph-Drawing Contest Report. Lecture Notes in Computer Science, 2007, , 448-452.	1.0	1
169	Colored Simultaneous Geometric Embeddings. Lecture Notes in Computer Science, 2007, , 254-263.	1.0	8
170	Constrained Simultaneous and Near-Simultaneous Embeddings. , 2007, , 268-279.		5
171	Computing homotopic shortest paths efficiently. Computational Geometry: Theory and Applications, 2006, 35, 162-172.	0.3	37
172	Optimal constrained graph exploration. ACM Transactions on Algorithms, 2006, 2, 380-402.	0.9	51
173	DRAWING WITH FAT EDGES. International Journal of Foundations of Computer Science, 2006, 17, 1143-1163.	0.8	21
174	Characterization of Unlabeled Level Planar Trees. , 2006, , 367-379.		10
175	Force-Directed Approaches to Sensor Localization. , 2006, , .		11
176	Simultaneous Graph Embedding with Bends and Circular Arcs. , 2006, , 95-107.		3
177	Morphing Planar Graphs in Spherical Space. , 2006, , 306-317.		1
178	Simultaneous Embedding of a Planar Graph and Its Dual on the Grid. Theory of Computing Systems, 2005, 38, 313-327.	0.7	15
179	Self-plagiarism in computer science. Communications of the ACM, 2005, 48, 88-94.	3.3	73
180	Graphael: A System for Generalized Force-Directed Layouts. Lecture Notes in Computer Science, 2005, , 454-464.	1.0	13

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181	Non-Euclidean Spring Embedders. IEEE Transactions on Visualization and Computer Graphics, 2005, 11, 757-767.	2.9	23
182	Collaboration with DiamondTouch. Lecture Notes in Computer Science, 2005, , 986-989.	1.0	4
183	Simultaneous Embedding of Planar Graphs with Few Bends. Lecture Notes in Computer Science, 2005, , 195-205.	1.0	17
184	Visualizing Large Graphs with Compound-Fisheye Views and Treemaps. Lecture Notes in Computer Science, 2005, , 431-441.	1.0	15
185	Simultaneous Graph Drawing: Layout Algorithms and Visualization Schemes. Journal of Graph Algorithms and Applications, 2005, 9, 165-182.	0.4	19
186	Simultaneous Embedding of Planar Graphs with Few Bends. Journal of Graph Algorithms and Applications, 2005, 9, 347-364.	0.4	50
187	An Interactive Multi-user System for Simultaneous Graph Drawing. Lecture Notes in Computer Science, 2005, , 492-501.	1.0	7
188	Graph-Drawing Contest Report. Lecture Notes in Computer Science, 2005, , 512-516.	1.0	1
189	GraphAEL: Graph Animations with Evolving Layouts. Lecture Notes in Computer Science, 2004, , 98-110.	1.0	71
190	Morphing planar graphs. , 2004, , .		3
191	Simultaneous Graph Drawing: Layout Algorithms and Visualization Schemes. Lecture Notes in Computer Science, 2004, , 437-449.	1.0	26
192	Selected Open Problems in Graph Drawing. Lecture Notes in Computer Science, 2004, , 515-539.	1.0	35
193	AlgoVista. , 2004, , .		3
194	The geometric thickness of low degree graphs. , 2004, , .		30
195	A multi-dimensional approach to force-directed layouts of large graphs. Computational Geometry: Theory and Applications, 2004, 29, 3-18.	0.3	60
196	Tight bounds on maximal and maximum matchings. Discrete Mathematics, 2004, 285, 7-15.	0.4	63
197	A multi-dimensional approach to force-directed layouts of large graphs*1. International Journal of Production Economics, 2004, 89, 3-3.	5.1	5
198	<title>Exploring the computing literature using temporal graph visualization</title>. , 2004, 5295, 45.		43

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199	AlgoVista. SIGCSE Bulletin, 2004, 36, 462-466.	0.1	2
200	Intersection-Free Morphing of Planar Graphs. Lecture Notes in Computer Science, 2004, , 320-331.	1.0	11
201	Fixed-Location Circular-Arc Drawing of Planar Graphs. Lecture Notes in Computer Science, 2004, , 147-158.	1.0	2
202	Balanced Aspect Ratio Trees and Their Use for Drawing Large Graphs. , 2004, , 53-80.		0
203	GRIP: Graph Drawing with Intelligent Placement. , 2004, , 203-224.		2
204	Planarity-preserving clustering and embedding for large planar graphs. Computational Geometry: Theory and Applications, 2003, 24, 95-114.	0.3	7
205	A system for graph-based visualization of the evolution of software. , 2003, , .		94
206	On Simultaneous Planar Graph Embeddings. Lecture Notes in Computer Science, 2003, , 243-255.	1.0	19
207	Growing fat graphs. , 2002, , .		6
208	AÎ»goVista. , 2002, , .		2
209	Drawing with Fat Edges. Lecture Notes in Computer Science, 2002, , 162-177.	1.0	11
210	AÎ»goVista. SIGCSE Bulletin, 2002, 34, 228-228.	0.1	0
211	Simultaneous Embedding of a Planar Graph and Its Dual on the Grid. Lecture Notes in Computer Science, 2002, , 575-587.	1.0	6
212	GRIP: Graph Drawing with Intelligent Placement. Journal of Graph Algorithms and Applications, 2002, 6, 203-224.	0.4	59
213	Polar Coordinate Drawing of Planar Graphs with Good Angular Resolution. Lecture Notes in Computer Science, 2002, , 407-421.	1.0	2
214	Balanced Aspect Ratio Trees: Combining the Advantages of k-d Trees and Octrees. Journal of Algorithms, 2001, 38, 303-333.	0.9	45
215	Drawing planar graphs with circular arcs. Discrete and Computational Geometry, 2001, 25, 405-418.	0.4	34
216	A Multi-dimensional Approach to Force-Directed Layouts of Large Graphs. Lecture Notes in Computer Science, 2001, , 211-221.	1.0	38

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217	GRIP: Graph dRawing with Intelligent Placement. Lecture Notes in Computer Science, 2001, , 222-228.	1.0	32
218	Tight Bounds on Maximal and Maximum Matchings. Lecture Notes in Computer Science, 2001, , 308-319.	1.0	2
219	SAIL. SIGCSE Bulletin, 2000, 32, 300-304.	0.1	2
220	PILOT. , 2000, , .		53
221	SAIL. , 2000, , .		15
222	Balanced Aspect Ratio Trees and Their Use for Drawing Large Graphs. Journal of Graph Algorithms and Applications, 2000, 4, 19-46.	0.4	7
223	Drawing Planar Graphs with Circular Arcs. Lecture Notes in Computer Science, 1999, , 117-126.	1.0	13
224	Planarity-Preserving Clustering and Embedding for Large Planar Graphs. Lecture Notes in Computer Science, 1999, , 186-196.	1.0	11
225	Polylogarithmic-overhead piecemeal graph exploration. , 1998, , .		9
226	Balanced Aspect Ratio Trees and Their Use for Drawing Very Large Graphs. Lecture Notes in Computer Science, 1998, , 111-124.	1.0	17
227	Optimal strategies to track and capture a predictable target. , 0, , .		9
228	Non-Euclidean Spring Embedders. , 0, , .		3
229	Visualizing the Behavior of Dynamically Modifiable Code. , 0, , .		2