# Stephen G Kobourov

List of Publications by Year
in descending order

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|---|---|---|---|
| 229<br>papers | 3,751<br>citations | 185998<br>28<br>h-index | 233125<br>45<br>g-index |
| 262<br>all docs | 262<br>docs citations | 262<br>times ranked | 2126<br>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 |

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| 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 |
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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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| 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 |
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| 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 |
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| 219 | SAIL. SIGCSE Bulletin, 2000, 32, 300-304. | 0.1 | 2 |
| 220 | PILOT. , 2000, , . | | 53 |
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