Prosenjit Bose

List of Publications by Year
in descending order

256 papers	4,256 citations	236612 25 h-index	182168 51 g-index
269 all docs	269 docs citations	269 times ranked	1868 citing authors

#	Article	IF	Citations
1	On the restricted k-Steiner tree problem. Journal of Combinatorial Optimization, 2022, 44, 2893-2918.	0.8	2
2	Parameterized complexity of two-interval pattern problem. Theoretical Computer Science, 2022, 902, 21-28.	0.5	0
3	On the Spanning and Routing Ratios of the Directed Î̃6-Graph. Computational Geometry: Theory and Applications, 2022, , 101881.	0.3	1
4	Routing on Heavy-Path WSPD-Spanners. Lecture Notes in Computer Science, 2021, , 613-626.	1.0	0
5	Improved Bounds on the Spanning Ratio of the Theta-5-Graph. Lecture Notes in Computer Science, 2021, , 215-228.	1.0	4
6	Constrained routing between non-visible vertices. Theoretical Computer Science, 2021, 861, 144-154.	0.5	1
7	Attraction-convexity and normal visibility. Computational Geometry: Theory and Applications, 2021, 96, 101748.	0.3	1
8	Affine invariant triangulations. Computer Aided Geometric Design, 2021, 91, 102039.	0.5	1
9	Piercing pairwise intersecting geodesic disks. Computational Geometry: Theory and Applications, 2021, 98, 101774.	0.3	1
10	Local Routing in Convex Subdivisions. International Journal of Computational Geometry and Applications, 2020, 30, 1-17.	0.3	0
11	Computing the k-Visibility Region of a Point in a Polygon. Theory of Computing Systems, 2020, 64, 1292-1306.	0.7	2
12	Competitive Online Search Trees on Trees. , 2020, , 1878-1891.		5
13	Power domination on triangular grids with triangular and hexagonal shape. Journal of Combinatorial Optimization, 2020, 40, 482-500.	0.8	1
14	Optimal Art Gallery Localization is NP-hard. Computational Geometry: Theory and Applications, 2020, 88, 101607.	0.3	1
15	On the Restricted 1-Steiner Tree Problem. Lecture Notes in Computer Science, 2020, , 448-459.	1.0	1
16	Hamiltonicity for convex shape Delaunay and Gabriel graphs. Computational Geometry: Theory and Applications, 2020, 89, 101629.	0.3	1
17	Drawing Graphs as Spanners. Lecture Notes in Computer Science, 2020, , 310-324.	1.0	0
18	Flips in Higher Order Delaunay Triangulations. Lecture Notes in Computer Science, 2020, , 223-234.	1.0	0

#	Article	IF	Citations
19	Gathering by repulsion. Computational Geometry: Theory and Applications, 2020, 90, 101627.	0.3	0
20	On Plane Constrained Bounded-Degree Spanners. Algorithmica, 2019, 81, 1392-1415.	1.0	13
21	A new â€œangleâ€•on aortic neck angulation measurement. Journal of Vascular Surgery, 2019, 70, 756-761.e1.	0.6	2
22	Improved Bounds for Guarding Plane Graphs with Edges. Graphs and Combinatorics, 2019, 35, 437-450.	0.2	1
23	Maximum Plane Trees in Multipartite Geometric Graphs. Algorithmica, 2019, 81, 1512-1534.	1.0	2
24	Spanning Properties of Yao and ?-Graphs in the Presence of Constraints. International Journal of Computational Geometry and Applications, 2019, 29, 95-120.	0.3	6
25	Computing the k-Crossing Visibility Region of a Point in a Polygon. Lecture Notes in Computer Science, 2019, , 10-21.	1.0	0
26	Hamiltonicity for Convex Shape Delaunay and Gabriel Graphs. Lecture Notes in Computer Science, 2019, , 196-210.	1.0	0
27	Reconstructing a Convex Polygon from Its $$\omega $$ ï‰ -cloud. Lecture Notes in Computer Science, 2019, , 25-37.	1.0	0
28	Data Structures for Halfplane Proximity Queries and Incremental Voronoi Diagrams. Algorithmica, 2018, 80, 3316-3334.	1.0	5
29	Continuous Yao graphs. Computational Geometry: Theory and Applications, 2018, 67, 42-52.	0.3	1
30	Editorial: Special issue in memory of Dr. Ferran Hurtado. Computational Geometry: Theory and Applications, 2018, 68, 1.	0.3	0
31	Spanning Trees in Multipartite Geometric Graphs. Algorithmica, 2018, 80, 3177-3191.	1.0	3
32	Improved Spanning Ratio for Low Degree Plane Spanners. Algorithmica, 2018, 80, 935-976.	1.0	4
33	Plane Bichromatic Trees of Low Degree. Discrete and Computational Geometry, 2018, 59, 864-885.	0.4	4
34	Flipping edge-labelled triangulations. Computational Geometry: Theory and Applications, 2018, 68, 309-326.	0.3	11
35	Constrained generalized Delaunay graphs are plane spanners. Computational Geometry: Theory and Applications, 2018, 74, 50-65.	0.3	2
36	Upper and Lower Bounds for Online Routing on Delaunay Triangulations. Discrete and Computational Geometry, 2017, 58, 482-504.	0.4	7

#	Article	IF	Citations
37	A general framework for searching on a line. Theoretical Computer Science, 2017, 703, 1-17.	0.5	5
38	Constrained Routing Between Non-Visible Vertices. Lecture Notes in Computer Science, 2017, , 62-74.	1.0	1
39	Local Routing in Spanners Based on WSPDs. Lecture Notes in Computer Science, 2017, , 205-216.	1.0	1
40	New Bounds for Facial Nonrepetitive Colouring. Graphs and Combinatorics, 2017, 33, 817-832.	0.2	4
41	Flips in edge-labelled pseudo-triangulations. Computational Geometry: Theory and Applications, 2017, 60, 45-54.	0.3	3
42	Competitive Online Routing on Delaunay Triangulations. International Journal of Computational Geometry and Applications, 2017, 27, 241-253.	0.3	2
43	On the separation of a polyhedron from its single-part mold. , 2017, , .		3
44	Constrained Generalized Delaunay Graphs are Plane Spanners. Advances in Intelligent Systems and Computing, 2017, , 281-293.	0.5	1
45	Faster Algorithms for the Minimum Red-Blue-Purple Spanning Graph Problem. Journal of Graph Algorithms and Applications, 2017, 21, 527-546.	0.4	1
46	Essential Constraints of Edge-Constrained Proximity Graphs. Journal of Graph Algorithms and Applications, 2017, 21, 389-415.	0.4	1
47	Maximum Plane Trees in Multipartite Geometric Graphs. Lecture Notes in Computer Science, 2017, , 193-204.	1.0	1
48	Gabriel Triangulations and Angle-Monotone Graphs: Local Routing and Recognition. Lecture Notes in Computer Science, 2016, , 519-531.	1.0	9
49	Plane geodesic spanning trees, Hamiltonian cycles, and perfect matchings in a simple polygon. Computational Geometry: Theory and Applications, 2016, 57, 27-39.	0.3	5
50	Biased Predecessor Search. Algorithmica, 2016, 76, 1097-1105.	1.0	1
51	The Power and Limitations of Static Binary Search Trees with Lazy Finger. Algorithmica, 2016, 76, 1264-1275.	1.0	4
52	Probing convex polygons with a wedge. Computational Geometry: Theory and Applications, 2016, 58, 34-59.	0.3	3
53	The Price of Order. International Journal of Computational Geometry and Applications, 2016, 26, 135-149.	0.3	1
54	A Linear-Time Algorithm for the Geodesic Center of a Simple Polygon. Discrete and Computational Geometry, 2016, 56, 836-859.	0.4	15

#	Article	IF	Citations
55	Towards tight bounds on theta-graphs: More is not always better. Theoretical Computer Science, 2016, 616, 70-93.	0.5	17
56	A General Framework for Searching on a Line. Lecture Notes in Computer Science, 2016, , 143-153.	1.0	4
57	Essential Constraints of Edge-Constrained Proximity Graphs. Lecture Notes in Computer Science, 2016, , 55-67.	1.0	0
58	Plane Geodesic Spanning Trees, Hamiltonian Cycles, and Perfect Matchings in a Simple Polygon. Lecture Notes in Computer Science, 2016, , 56-71.	1.0	0
59	Plane Bichromatic Trees of Low Degree. Lecture Notes in Computer Science, 2016, , 68-80.	1.0	2
60	Improved Spanning Ratio for Low Degree Plane Spanners. Lecture Notes in Computer Science, 2016, , 249-262.	1.0	0
61	Optimal Local Routing on Delaunay Triangulations Defined by Empty Equilateral Triangles. SIAM Journal on Computing, 2015, 44, 1626-1649.	0.8	17
62	Searching on a line: A complete characterization of the optimal solution. Theoretical Computer Science, 2015, 569, 24-42.	0.5	17
63	Reprint of: Theta-3 is connected. Computational Geometry: Theory and Applications, 2015, 48, 407-414.	0.3	0
64	The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î¸</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mm is a spanner. Computational Geometry: Theory and Applications, 2015, 48, 108-119.	0.3	18
65	Local Routing in Convex Subdivisions. Lecture Notes in Computer Science, 2015, , 140-151.	1.0	2
66	Upper and Lower Bounds for Online Routing on Delaunay Triangulations. Lecture Notes in Computer Science, 2015, , 203-214.	1.0	4
67	Competitive Local Routing with Constraints. Lecture Notes in Computer Science, 2015, , 23-34.	1.0	2
68	Optimal Data Structures for Farthest-Point Queries in Cactus Networks. Journal of Graph Algorithms and Applications, 2015, 19, 11-41.	0.4	2
69	A General Framework to Generate Sizing Systems from 3D Motion Data Applied to Face Mask Design. , 2014, , .		3
70	New and Improved Spanning Ratios for Yao Graphs. , 2014, , .		8
71	Visual enhancement of 3D images of rock faces for fracture mapping. International Journal of Rock Mechanics and Minings Sciences, 2014, 72, 325-335.	2.6	16
72	Upper Bounds on the Spanning Ratio of Constrained Theta-Graphs. Lecture Notes in Computer Science, 2014, , 108-119.	1.0	5

#	Article	IF	Citations
73	Minimum-area enclosing triangle with a fixed angle. Computational Geometry: Theory and Applications, 2014, 47, 90-109.	0.3	7
74	Switching to Directional Antennas with Constant Increase in Radius and Hop Distance. Algorithmica, 2014, 69, 397-409.	1.0	7
75	Making triangulations 4-connected using flips. Computational Geometry: Theory and Applications, 2014, 47, 187-197.	0.3	4
76	Surface roughness of rock faces through the curvature of triangulated meshes. Computers and Geosciences, 2014, 70, 229-237.	2.0	26
77	Triangulating and guarding realistic polygons. Computational Geometry: Theory and Applications, 2014, 47, 296-306.	0.3	0
78	Theta-3 is connected. Computational Geometry: Theory and Applications, 2014, 47, 910-917.	0.3	12
79	Competitive Online Routing on Delaunay Triangulations. Lecture Notes in Computer Science, 2014, , 98-109.	1.0	4
80	Optimal Algorithms for Constrained 1-Center Problems. Lecture Notes in Computer Science, 2014, , 84-95.	1.0	4
81	Biased Predecessor Search. Lecture Notes in Computer Science, 2014, , 755-764.	1.0	0
82	The Power and Limitations of Static Binary Search Trees with Lazy Finger. Lecture Notes in Computer Science, 2014, , 181-192.	1.0	2
83	The Price of Order. Lecture Notes in Computer Science, 2014, , 313-325.	1.0	0
84	Coverage with k-transmitters in the presence of obstacles. Journal of Combinatorial Optimization, 2013, 25, 208-233.	0.8	9
85	Isoperimetric triangular enclosures with a fixed angle. Journal of Geometry, 2013, 104, 229-255.	0.1	1
86	Bounding the locality of distributed routing algorithms. Distributed Computing, 2013, 26, 39-58.	0.7	13
87	Stable Roommates Spanner. Computational Geometry: Theory and Applications, 2013, 46, 120-130.	0.3	7
88	Fast local searches and updates in bounded universes. Computational Geometry: Theory and Applications, 2013, 46, 181-189.	0.3	4
89	On plane geometric spanners: A survey and open problems. Computational Geometry: Theory and Applications, 2013, 46, 818-830.	0.3	50
90	Some properties of k-Delaunay and k-Gabriel graphs. Computational Geometry: Theory and Applications, 2013, 46, 131-139.	0.3	11

#	Article	IF	Citations
91	Robust geometric spanners. , 2013, , .		1
92	On the Stretch Factor of the Theta-4 Graph. Lecture Notes in Computer Science, 2013, , 109-120.	1.0	14
93	Robust Geometric Spanners. SIAM Journal on Computing, 2013, 42, 1720-1736.	0.8	5
94	Flips. Lecture Notes in Computer Science, 2013, , 1-1.	1.0	1
95	A History of Distribution-Sensitive Data Structures. Lecture Notes in Computer Science, 2013, , 133-149.	1.0	4
96	Revisiting the Problem of Searching on a Line. Lecture Notes in Computer Science, 2013, , 205-216.	1.0	18
97	The $\hat{I}$ 5-Graph is a Spanner. Lecture Notes in Computer Science, 2013, , 100-114.	1.0	4
98	Succinct geometric indexes supporting point location queries. ACM Transactions on Algorithms, 2012, 8, 1-26.	0.9	6
99	Ï€/2-ANGLE YAO GRAPHS ARE SPANNERS. International Journal of Computational Geometry and Applications, 2012, 22, 61-82.	0.3	23
100	On Plane Constrained Bounded-Degree Spanners. Lecture Notes in Computer Science, 2012, , 85-96.	1.0	9
101	PROXIMITY GRAPHS: E, Î´, Î", Ï‡ AND Ï‰. International Journal of Computational Geometry and Applications, 2012, 22, 439-469.	0.3	21
102	Automatically Creating Design Models From 3D Anthropometry Data. Journal of Computing and Information Science in Engineering, 2012, 12, .	1.7	14
103	On spanning properties of various Delaunay graphs. , 2012, , .		0
104	On bounded degree plane strong geometric spanners. Journal of Discrete Algorithms, 2012, 15, 16-31.	0.7	16
105	Competitive Routing in the Half-<i>Î¸</i>₆-Graph. , 2012, , .		11
106	A distribution-sensitive dictionary with low space overhead. Journal of Discrete Algorithms, 2012, 10, 140-145.	0.7	0
107	Skip lift: A probabilistic alternative to redâ€"black trees. Journal of Discrete Algorithms, 2012, 14, 13-20.	0.7	4
108	Layered Working-Set Trees. Algorithmica, 2012, 63, 476-489.	1.0	4

#	Article	IF	Citations
109	A History of Flips in Combinatorial Triangulations. Lecture Notes in Computer Science, 2012, , 29-44.	1.0	5
110	Location-Oblivious Distributed Unit Disk Graph Coloring. Algorithmica, 2011, 60, 236-249.	1.0	0
111	Every Large Point Set contains Many Collinear Points or an Empty Pentagon. Graphs and Combinatorics, 2011, 27, 47-60.	0.2	9
112	A generalized Winternitz Theorem. Journal of Geometry, 2011, 100, 29-35.	0.1	4
113	A note on the perimeter of fat objects. Computational Geometry: Theory and Applications, 2011, 44, 1-8.	0.3	3
114	A survey of geodesic paths on 3D surfaces. Computational Geometry: Theory and Applications, 2011, 44, 486-498.	0.3	52
115	Almost all Delaunay triangulations have stretch factor greater than $\pi/2$. Computational Geometry: Theory and Applications, 2011, 44, 121-127.	0.3	24
116	On a family of strong geometric spanners that admit local routing strategies. Computational Geometry: Theory and Applications, 2011, 44, 319-328.	0.3	0
117	Spanners of additively weighted point sets. Journal of Discrete Algorithms, 2011, 9, 287-298.	0.7	2
118	ON COMPUTING ENCLOSING ISOSCELES TRIANGLES AND RELATED PROBLEMS. International Journal of Computational Geometry and Applications, 2011, 21, 25-45.	0.3	11
119	COMPUTING SIGNED PERMUTATIONS OF POLYGONS. International Journal of Computational Geometry and Applications, 2011, 21, 87-100.	0.3	1
120	Switching to Directional Antennas with Constant Increase in Radius and Hop Distance. Lecture Notes in Computer Science, 2011, , 134-146.	1.0	14
121	Common Unfoldings of Polyominoes and Polycubes. Lecture Notes in Computer Science, 2011, , 44-54.	1.0	8
122	Skip Lift: A Probabilistic Alternative to Red-Black Trees. Lecture Notes in Computer Science, 2011, , 226-237.	1.0	0
123	Computing the Greedy Spanner in Near-Quadratic Time. Algorithmica, 2010, 58, 711-729.	1.0	25
124	Sigma-local graphs. Journal of Discrete Algorithms, 2010, 8, 15-23.	0.7	4
125	FILLING HOLES IN TRIANGULAR MESHES USING DIGITAL IMAGES BY CURVE UNFOLDING. International Journal of Shape Modeling, 2010, 16, 151-171.	0.3	2
126	MORPHING OF TRIANGULAR MESHES IN SHAPE SPACE. International Journal of Shape Modeling, 2010, 16, 195-212.	0.3	3

#	Article	IF	Citations
127	Global Context Descriptors for SURF and MSER Feature Descriptors. , 2010, , .		8
128	Communication-Efficient Construction of the Plane Localized Delaunay Graph. Lecture Notes in Computer Science, 2010, , 282-293.	1.0	3
129	Ï€/2-Angle Yao Graphs Are Spanners. Lecture Notes in Computer Science, 2010, , 446-457.	1.0	6
130	Coverage with k-Transmitters in the Presence of Obstacles. Lecture Notes in Computer Science, 2010, , 1-15.	1.0	2
131	An O(log log n)-Competitive Binary Search Tree with Optimal Worst-Case Access Times. Lecture Notes in Computer Science, 2010, , 38-49.	1.0	6
132	Should Static Search Trees Ever Be Unbalanced?. Lecture Notes in Computer Science, 2010, , 109-120.	1.0	2
133	Layered Working-Set Trees. Lecture Notes in Computer Science, 2010, , 686-696.	1.0	3
134	Posture invariant correspondence of triangular meshes in shape space. , 2009, , .		7
135	DELAUNAY AND DIAMOND TRIANGULATIONS CONTAIN SPANNERS OF BOUNDED DEGREE. International Journal of Computational Geometry and Applications, 2009, 19, 119-140.	0.3	24
136	ON STRUCTURAL AND GRAPH THEORETIC PROPERTIES OF HIGHER ORDER DELAUNAY GRAPHS. International Journal of Computational Geometry and Applications, 2009, 19, 595-615.	0.3	25
137	A note on the lower bound of edge guards of polyhedral terrains. International Journal of Computer Mathematics, 2009, 86, 577-583.	1.0	2
138	Bounding the locality of distributed routing algorithms. , 2009, , .		5
139	Clamshell Casting. Algorithmica, 2009, 55, 666-702.	1.0	0
140	A Polynomial Bound for Untangling Geometric PlanarÂGraphs. Discrete and Computational Geometry, 2009, 42, 570-585.	0.4	17
141	Traversing a Set of Points with a Minimum Number ofÂTurns. Discrete and Computational Geometry, 2009, 41, 513-532.	0.4	15
142	Connectivity-preserving transformations of binary images. Computer Vision and Image Understanding, 2009, 113, 1027-1038.	3.0	3
143	Augmented reality on cloth with realistic illumination. Machine Vision and Applications, 2009, 20, 85-92.	1.7	16
144	Algorithms for optimal outlier removal. Journal of Discrete Algorithms, 2009, 7, 239-248.	0.7	19

#	Article	IF	Citations
145	Rotationally monotone polygons. Computational Geometry: Theory and Applications, 2009, 42, 471-483.	0.3	1
146	Flips in planar graphs. Computational Geometry: Theory and Applications, 2009, 42, 60-80.	0.3	63
147	Geometric spanners with small chromatic number. Computational Geometry: Theory and Applications, 2009, 42, 134-146.	0.3	6
148	A linear-space algorithm for distance preserving graph embedding. Computational Geometry: Theory and Applications, 2009, 42, 289-304.	0.3	7
149	Editorial CCCG 2005. Computational Geometry: Theory and Applications, 2009, 42, 363.	0.3	0
150	Filling holes in triangular meshes by curve unfolding. , 2009, , .		25
151	Spanners of Complete k-Partite Geometric Graphs. SIAM Journal on Computing, 2009, 38, 1803-1820.	0.8	0
152	A Distribution-Sensitive Dictionary with Low Space Overhead. Lecture Notes in Computer Science, 2009, , 110-118.	1.0	2
153	Efficient Construction of Near-Optimal Binary and Multiway Search Trees. Lecture Notes in Computer Science, 2009, , 230-241.	1.0	5
154	Succinct Orthogonal Range Search Structures on a Grid with Applications to Text Indexing. Lecture Notes in Computer Science, 2009, , 98-109.	1.0	49
155	On local transformations in plane geometric graphs embedded on small grids. Computational Geometry: Theory and Applications, 2008, 39, 65-77.	0.3	2
156	On the false-positive rate of Bloom filters. Information Processing Letters, 2008, 108, 210-213.	0.4	127
157	A Characterization of the degree sequences of 2â€‘trees. Journal of Graph Theory, 2008, 58, 191-209.	0.5	8
158	A Polynomial Bound for Untangling Geometric Planar Graphs. Electronic Notes in Discrete Mathematics, 2008, 31, 213-218.	0.4	0
159	Coarse grained parallel algorithms for graph matching. Parallel Computing, 2008, 34, 47-62.	1.3	6
160	Spanners of Additively Weighted Point Sets. Lecture Notes in Computer Science, 2008, , 367-377.	1.0	7
161	Computing the Greedy Spanner in Near-Quadratic Time. Lecture Notes in Computer Science, 2008, , 390-401.	1.0	3
162	On the Stretch Factor of Convex Delaunay Graphs. Lecture Notes in Computer Science, 2008, , 656-667.	1.0	4

#	Article	IF	Citations
163	Geometric Spanners with Small Chromatic Number. , 2008, , 75-88.		0
164	Spanners of Complete k-Partite Geometric Graphs. , 2008, , 170-181.		1
165	A GENERAL APPROXIMATION ALGORITHM FOR PLANAR MAPS WITH APPLICATIONS. International Journal of Computational Geometry and Applications, 2007, 17, 529-554.	0.3	1
166	Traversing a set of points with a minimum number of turns. , 2007, , .		0
167	Algorithms for Designing Clamshell Molds. Computer-Aided Design and Applications, 2007, 4, 1-10.	0.4	3
168	Location Oblivious Distributed Unit Disk Graph Coloring. , 2007, , 222-233.		3
169	Simultaneous diagonal flips in plane triangulations. Journal of Graph Theory, 2007, 54, 307-330.	0.5	14
170	Space-efficient geometric divide-and-conquer algorithms. Computational Geometry: Theory and Applications, 2007, 37, 209-227.	0.3	24
171	On the stabbing number of a random Delaunay triangulation. Computational Geometry: Theory and Applications, 2007, 36, 89-105.	0.3	15
172	Reconfiguring Triangulations with Edge Flips and Point Moves. Algorithmica, 2007, 47, 367-378.	1.0	2
173	Geodesic Ham-Sandwich Cuts. Discrete and Computational Geometry, 2007, 37, 325-339.	0.4	9
174	On Generalized Diamond Spanners. Lecture Notes in Computer Science, 2007, , 325-336.	1.0	3
175	POSTURE INVARIANT CORRESPONDENCE OF INCOMPLETE TRIANGULAR MANIFOLDS. International Journal of Shape Modeling, 2007, 13, 139-157.	0.3	17
176	On a Family of Strong Geometric Spanners That Admit Local Routing Strategies. Lecture Notes in Computer Science, 2007, , 300-311.	1.0	4
177	Lazy Generation of Building Interiors in Realtime. , 2006, , .		6
178	On the Spanning Ratio of Gabriel Graphs and beta-Skeletons. SIAM Journal on Discrete Mathematics, 2006, 20, 412-427.	0.4	46
179	On the Stretch Factor of the Constrained Delaunay Triangulation. , 2006, , .		2
180	Equitable subdivisions within polygonal regions. Computational Geometry: Theory and Applications, 2006, 34, 20-27.	0.3	12

#	Article	IF	Citations
181	Area-preserving approximations of polygonal paths. Journal of Discrete Algorithms, 2006, 4, 554-566.	0.7	25
182	Partitions of complete geometric graphs into plane trees. Computational Geometry: Theory and Applications, 2006, 34, 116-125.	0.3	15
183	Persistent realtime building interior generation. , 2006, , .		29
184	Data Structures for Halfplane Proximity Queries and Incremental Voronoi Diagrams. Lecture Notes in Computer Science, 2006, , 80-92.	1.0	13
185	Simultaneous diagonal flips in plane triangulations. , 2006, , .		5
186	Diamond Triangulations Contain Spanners of Bounded Degree. Lecture Notes in Computer Science, 2006, , 173-182.	1.0	4
187	The Maximum Number of Edges in a Three-Dimensional Grid-Drawing. , 2006, , 21-26.		0
188	Approximate Range Mode and Range Median Queries. Lecture Notes in Computer Science, 2005, , 377-388.	1.0	18
189	Optimizing a constrained convex polygonal annulus. Journal of Discrete Algorithms, 2005, 3, 1-26.	0.7	4
190	Guest Editors' Foreword. Algorithmica, 2005, 42, 1-2.	1.0	0
191	Constructing Plane Spanners of Bounded Degree and Low Weight. Algorithmica, 2005, 42, 249-264.	1.0	57
192	GENERALIZING MONOTONICITY: ON RECOGNIZING SPECIAL CLASSES OF POLYGONS AND POLYHEDRA. International Journal of Computational Geometry and Applications, 2005, 15, 591-608.	0.3	7
193	Temporal Synchronization of Video Sequences in Theory and in Practice. , 2005, , .		45
194	Reconfiguring Triangulations with Edge Flips and Point Moves. Lecture Notes in Computer Science, 2005, , 1-11.	1.0	1
195	Geodesic ham-sandwich cuts. , 2004, , .		13
196	Feature Based Cut Detection with Automatic Threshold Selection. Lecture Notes in Computer Science, 2004, , 410-418.	1.0	31
197	Testing the Quality of Manufactured Disks and Balls. Algorithmica, 2004, 38, 161-177.	1.0	6
198	Light edges in degree-constrained graphs. Discrete Mathematics, 2004, 282, 35-41.	0.4	7

#	Article	IF	Citations
199	Ordered theta graphs. Computational Geometry: Theory and Applications, 2004, 28, 11-18.	0.3	38
200	Competitive online routing in geometric graphs. Theoretical Computer Science, 2004, 324, 273-288.	0.5	42
201	Packing two disks into a polygonal environment. Journal of Discrete Algorithms, 2004, 2, 373-380.	0.7	3
202	On simplifying dot maps. Computational Geometry: Theory and Applications, 2004, 27, 43-62.	0.3	36
203	Approximating geometric bottleneck shortest paths. Computational Geometry: Theory and Applications, 2004, 29, 233-249.	0.3	31
204	Online Routing in Triangulations. SIAM Journal on Computing, 2004, 33, 937-951.	0.8	99
205	Asymmetric Communication Protocols via Hotlink Assignments. Theory of Computing Systems, 2003, 36, 655-661.	0.7	8
206	Fast approximations for sums of distances, clustering and the Fermatâ€"Weber problem. Computational Geometry: Theory and Applications, 2003, 24, 135-146.	0.3	57
207	Translating a regular grid over a point set. Computational Geometry: Theory and Applications, 2003, 25, 21-34.	0.3	8
208	Worst-case-optimal algorithms for guarding planar graphs and polyhedral surfaces. Computational Geometry: Theory and Applications, 2003, 26, 209-219.	0.3	29
209	PROPERTIES OF ARRANGEMENT GRAPHS. International Journal of Computational Geometry and Applications, 2003, 13, 447-462.	0.3	14
210	DIAMONDS ARE NOT A MINIMUM WEIGHT TRIANGULATION'S BEST FRIEND. International Journal of Computational Geometry and Applications, 2002, 12, 445-453.	0.3	13
211	ONLINE ROUTING IN CONVEX SUBDIVISIONS. International Journal of Computational Geometry and Applications, 2002, 12, 283-295.	0.3	31
212	AN IMPROVED ALGORITHM FOR SUBDIVISION TRAVERSAL WITHOUT EXTRA STORAGE. International Journal of Computational Geometry and Applications, 2002, 12, 297-308.	0.3	27
213	STATION LAYOUTS IN THE PRESENCE OF LOCATION CONSTRAINTS. Journal of Interconnection Networks, 2002, 03, 1-17.	0.6	1
214	Some Aperture-Angle Optimization Problems. Algorithmica, 2002, 33, 411-435.	1.0	11
215	On embedding an outer-planar graph in a point set. Computational Geometry: Theory and Applications, 2002, 23, 303-312.	0.3	77
216	Efficient visibility queries in simple polygons. Computational Geometry: Theory and Applications, 2002, 23, 313-335.	0.3	57

#	ARTICLE	IF	CITATIONS
217	Experimental results on quadrangulations of sets of fixed points. Computer Aided Geometric Design, 2002, 19, 533-552.	0.5	4
218	Separating an object from its cast. CAD Computer Aided Design, 2002, 34, 547-559.	1.4	39
219	Constructing Plane Spanners of Bounded Degree and Low Weight. Lecture Notes in Computer Science, 2002, , 234-246.	1.0	22
220	Facility Location Constrained to a Polygonal Domain. Lecture Notes in Computer Science, 2002, , 153-164.	1.0	9
221	On the Spanning Ratio of Gabriel Graphs and Î²-skeletons. Lecture Notes in Computer Science, 2002, , 479-493.	1.0	42
222	Optimal Algorithms to Embed Trees in a Point Set. , 2002, , 29-43.		0
223	Every Set of Disjoint Line Segments Admits a Binary Tree. Discrete and Computational Geometry, 2001, 26, 387-410.	0.4	21
224	Efficient Algorithms for Petersen's Matching Theorem. Journal of Algorithms, 2001, 38, 110-134.	0.9	42
225	Routing with Guaranteed Delivery in Ad Hoc Wireless Networks. Wireless Networks, 2001, 7, 609-616.	2.0	871
226	The Grid Placement Problem. Lecture Notes in Computer Science, 2001, , 180-191.	1.0	5
227	Packing Two Disks into a Polygonal Environment. Lecture Notes in Computer Science, 2001, , 142-149.	1.0	1
228	Polygon Cutting: Revisited. Lecture Notes in Computer Science, 2000, , 81-92.	1.0	5
229	Algorithms for Packing Two Circles in a Convex Polygon. Lecture Notes in Computer Science, 2000, , 93-103.	1.0	6
230	Strategies for Hotlink Assignments. Lecture Notes in Computer Science, 2000, , 23-34.	1.0	22
231	Online Routing in Convex Subdivisions. Lecture Notes in Computer Science, 2000, , 47-59.	1.0	27
232	Drawing Nice Projections of Objects in Space. Journal of Visual Communication and Image Representation, 1999, 10, 155-172.	1.7	11
233	Routing with guaranteed delivery in ad hoc wireless networks. , 1999, , .		528
234	Online Routing in Triangulations. Lecture Notes in Computer Science, 1999, , 113-122.	1.0	80

#	Article	IF	Citations
235	Station Layouts in the Presence of Location Constraints. Lecture Notes in Computer Science, 1999, , 269-278.	1.0	5
236	Optimizing Constrained Offset and Scaled Polygonal Annuli. Lecture Notes in Computer Science, 1999, , 62-73.	1.0	0
237	Computing constrained minimum-width annuli of point sets. CAD Computer Aided Design, 1998, 30, 267-275.	1.4	13
238	Filling polyhedral molds. CAD Computer Aided Design, 1998, 30, 245-254.	1.4	9
239	Intersections with random geometric objects. Computational Geometry: Theory and Applications, 1998, 10, 139-154.	0.3	16
240	Testing the Quality of Manufactured Disks and Cylinders. Lecture Notes in Computer Science, 1998, , 130-138.	1.0	4
241	On rectangle visibility graphs. Lecture Notes in Computer Science, 1997, , 25-44.	1.0	16
242	The Floodlight Problem. International Journal of Computational Geometry and Applications, 1997, 07, 153-163.	0.3	25
243	Characterizing and efficiently computing quadrangulations of planar point sets. Computer Aided Geometric Design, 1997, 14, 763-785.	0.5	15
244	Guarding polyhedral terrains. Computational Geometry: Theory and Applications, 1997, 7, 173-185.	0.3	49
245	On embedding an outer-planar graph in a point set. Lecture Notes in Computer Science, 1997, , 25-36.	1.0	10
246	Computing constrained minimum-width annuli of point sets. Lecture Notes in Computer Science, 1997, , 392-401.	1.0	8
247	All convex polyhedra can be clamped with parallel jaw grippers. Computational Geometry: Theory and Applications, 1996, 6, 291-302.	0.3	7
248	Optimal algorithms to embed trees in a point set. Lecture Notes in Computer Science, 1996, , 64-75.	1.0	5
249	Geometric and computational aspects of gravity casting. CAD Computer Aided Design, 1995, 27, 455-464.	1.4	11
250	Proximity constraints and representable trees (extended abstract). Lecture Notes in Computer Science, 1995, , 340-351.	1.0	18
251	Geometric and computational aspects of manufacturing processes. Computers and Graphics, 1994, 18, 487-497.	1.4	12
252	COMPUTATIONAL GEOMETRY FOR CAD/CAM. , 1994, , .		1

#	Article	IF	Citations
253	Filling polyhedral molds. Lecture Notes in Computer Science, 1993, , 210-221.	1.0	14
254	Coarse grained parallel maximum matching in convex bipartite graphs. , 0, , .		7
255	Bounded-Angle Minimum Spanning Trees. Algorithmica, 0, , 1.	1.0	1
256	Drawing Graphs as Spanners. Discrete and Computational Geometry, 0, , .	0.4	0