

Irina Kostitsyna

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

120
citations

1684188

5
h-index

1588992

8
g-index

32
all docs

32
docs citations

32
times ranked

110
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Computational Power of Energy-Constrained Mobile Robots: Algorithms and Cross-Model Analysis. Lecture Notes in Computer Science, 2022, , 42-61.	1.3	4
2	Folding polyominoes with holes into a cube. Computational Geometry: Theory and Applications, 2021, 93, 101700.	0.5	1
3	Forming tile shapes with simple robots. Natural Computing, 2020, 19, 375-390.	3.0	12
4	Convex Hull Formation for Programmable Matter. , 2020, , .		8
5	Route-preserving Road Network Generalization. , 2020, , .		1
6	Algorithmic Approaches to Reconfigurable Assembly Systems. , 2019, , .		14
7	Region-Based Approximation of Probability Distributions (for Visibility Between Imprecise Points) Tj ETQq1 1 0.784314 rgBT /Overlock 1.3	1.3	0
8	Approximating (k -, α -)-center clustering for curves. , 2019, , 2922-2938.		12
9	Theoretical analysis of beaconless geocast protocols in 1D. , 2018, , 62-76.		0
10	Folding Polyominoes into (Poly)Cubes. International Journal of Computational Geometry and Applications, 2018, 28, 197-226.	0.5	3
11	Forming Tile Shapes with Simple Robots. Lecture Notes in Computer Science, 2018, , 122-138.	1.3	6
12	The Painter's Problem: Covering a Grid with Colored Connected Polygons. Lecture Notes in Computer Science, 2018, , 492-505.	1.3	5
13	Unfolding and Dissection of Multiple Cubes, Tetrahedra, and Doubly Covered Squares. Journal of Information Processing, 2017, 25, 610-615.	0.4	4
14	Gabriel Triangulations and Angle-Monotone Graphs: Local Routing and Recognition. Lecture Notes in Computer Science, 2016, , 519-531.	1.3	9
15	Single-Player and Two-Player Buttons & Scissors Games. Lecture Notes in Computer Science, 2016, , 60-72.	1.3	2
16	Computing Nonsimple Polygons of Minimum Perimeter. Lecture Notes in Computer Science, 2016, , 134-149.	1.3	2
17	Region-based Approximation Algorithms for Visibility between Imprecise Locations. , 2015, , 94-103.		2
18	Optimizing airspace closure with respect to politicians' egos. Theoretical Computer Science, 2015, 586, 161-175.	0.9	0

#	ARTICLE	IF	CITATIONS
19	On Minimizing Crossings in Storyline Visualizations. Lecture Notes in Computer Science, 2015, , 192-198.	1.3	9
20	Scandinavian Thins on Top of Cake: New and Improved Algorithms for Stacking and Packing. Theory of Computing Systems, 2014, 54, 689-714.	1.1	1
21	Optimizing Airspace Closure with Respect to Politiciansâ€™ Egos. Lecture Notes in Computer Science, 2014, , 264-276.	1.3	1
22	Robust airspace design methods for uncertain traffic and weather. , 2013, , .		1
23	Beacon-Based Algorithms for Geometric Routing. Lecture Notes in Computer Science, 2013, , 158-169.	1.3	9
24	Airspace design with explicit utilization of convective weather forecast data for reduced traffic flow management actions. , 2013, , .		0
25	Airspace design with explicit utilization of convective weather forecast data for reduced traffic flow management actions. , 2013, , .		1
26	Robust airspace design methods for uncertain traffic and weather. , 2013, , .		0
27	Simple Wriggling is Hard Unless You Are a Fat Hippo. Theory of Computing Systems, 2012, 50, 93-110.	1.1	1
28	Scandinavian Thins on Top of Cake: On the Smallest One-Size-Fits-All Box. Lecture Notes in Computer Science, 2012, , 16-27.	1.3	1
29	Algorithmic Traffic Abstraction and its Application to NextGen Generic Airspace. , 2010, , .		9
30	Simple Wriggling Is Hard Unless You Are a Fat Hippo. Lecture Notes in Computer Science, 2010, , 272-283.	1.3	0
31	Turning machines: a simple algorithmic model for molecular robotics. Natural Computing, 0, , 1.	3.0	2