

# Irina Kostitsyna

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7441323/publications.pdf>

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  | Algorithmic Approaches to Reconfigurable Assembly Systems. , 2019, , .   |     | 14        |
| 2  | Approximating ( $k$ -, $\alpha$ )-center clustering for curves. , 2019, , 2922-2938.   |     | 12        |
| 3  | Forming tile shapes with simple robots. Natural Computing, 2020, 19, 375-390.  | 3.0 | 12        |
| 4  | Beacon-Based Algorithms for Geometric Routing. Lecture Notes in Computer Science, 2013, , 158-169.   | 1.3 | 9         |
| 5  | Gabriel Triangulations and Angle-Monotone Graphs: Local Routing and Recognition. Lecture Notes in Computer Science, 2016, , 519-531.                   | 1.3 | 9         |
| 6  | On Minimizing Crossings in Storyline Visualizations. Lecture Notes in Computer Science, 2015, , 192-198.   | 1.3 | 9         |
| 7  | Algorithmic Traffic Abstraction and its Application to NextGen Generic Airspace. , 2010, , .   |     | 9         |
| 8  | Convex Hull Formation for Programmable Matter. , 2020, , .   |     | 8         |
| 9  | Forming Tile Shapes with Simple Robots. Lecture Notes in Computer Science, 2018, , 122-138.  | 1.3 | 6         |
| 10 | The Painter's Problem: Covering a Grid with Colored Connected Polygons. Lecture Notes in Computer Science, 2018, , 492-505.                            | 1.3 | 5         |
| 11 | Unfolding and Dissection of Multiple Cubes, Tetrahedra, and Doubly Covered Squares. Journal of Information Processing, 2017, 25, 610-615.              | 0.4 | 4         |
| 12 | 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         |
| 13 | Folding Polyominoes into (Poly)Cubes. International Journal of Computational Geometry and Applications, 2018, 28, 197-226.                             | 0.5 | 3         |
| 14 | Region-based Approximation Algorithms for Visibility between Imprecise Locations. , 2015, , 94-103.  |     | 2         |
| 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 | Turning machines: a simple algorithmic model for molecular robotics. Natural Computing, 0, , 1.  | 3.0 | 2         |
| 18 | Simple Wriggling is Hard Unless You Are a Fat Hippo. Theory of Computing Systems, 2012, 50, 93-110.  | 1.1 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Robust airspace design methods for uncertain traffic and weather. , 2013, , .   |     | 1         |
| 20 | Airspace design with explicit utilization of convective weather forecast data for reduced traffic flow management actions. , 2013, , .    |     | 1         |
| 21 | 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         |
| 22 | Folding polyominoes with holes into a cube. Computational Geometry: Theory and Applications, 2021, 93, 101700.                            | 0.5 | 1         |
| 23 | 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         |
| 24 | Optimizing Airspace Closure with Respect to Politicians's™ Egos. Lecture Notes in Computer Science, 2014, , 264-276.                      | 1.3 | 1         |
| 25 | Route-preserving Road Network Generalization. , 2020, , .   |     | 1         |
| 26 | Airspace design with explicit utilization of convective weather forecast data for reduced traffic flow management actions. , 2013, , .    |     | 0         |
| 27 | Robust airspace design methods for uncertain traffic and weather. , 2013, , .   |     | 0         |
| 28 | Optimizing airspace closure with respect to politicians' egos. Theoretical Computer Science, 2015, 586, 161-175.                          | 0.9 | 0         |
| 29 | Theoretical analysis of beaconless geocast protocols in 1D. , 2018, , 62-76.  |     | 0         |
| 30 | Region-Based Approximation of Probability Distributions (for Visibility Between Imprecise Points) Tj ETQq0 0 0 rgBT, /Overlock_10 Tf 50 3 | 1.3 | 0         |
| 31 | Simple Wriggling Is Hard Unless You Are a Fat Hippo. Lecture Notes in Computer Science, 2010, , 272-283.                                  | 1.3 | 0         |