

# Mirela Damian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6345830/publications.pdf>

Version: 2024-02-01

32  
papers

261  
citations

933410

10  
h-index

1058452

14  
g-index

32  
all docs

32  
docs citations

32  
times ranked

143  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear reconfiguration of cube-style modular robots. Computational Geometry: Theory and Applications, 2009, 42, 652-663.	0.5	25
2	$\pi/2$ -ANGLE YAO GRAPHS ARE SPANNERS. International Journal of Computational Geometry and Applications, 2012, 22, 61-82.	0.5	23
3	Local approximation schemes for topology control. , 2006, , .		21
4	Efficient reconfiguration of lattice-based modular robots. Computational Geometry: Theory and Applications, 2013, 46, 917-928.	0.5	18
5	Epsilon-Unfolding Orthogonal Polyhedra. Graphs and Combinatorics, 2007, 23, 179-194.	0.4	15
6	Efficient Many-To-Many Point Matching in One Dimension. Graphs and Combinatorics, 2007, 23, 169-178.	0.4	15
7	An $O(n \log n)$ -Time Algorithm for the Restriction Scaffold Assignment Problem. Journal of Computational Biology, 2006, 13, 979-989.	1.6	14
8	Switching to Directional Antennas with Constant Increase in Radius and Hop Distance. Lecture Notes in Computer Science, 2011, , 134-146.	1.3	14
9	Universal Reconfiguration of Facet-Connected Modular Robots by Pivots: The $O(1)$ Musketeers. Algorithmica, 2021, 83, 1316-1351.	1.3	12
10	Unfolding Manhattan Towers. Computational Geometry: Theory and Applications, 2008, 40, 102-114.	0.5	11
11	APX-hardness of domination problems in circle graphs. Information Processing Letters, 2006, 97, 231-237.	0.6	10
12	Establishing strong connectivity using optimal radius half-disk antennas. Computational Geometry: Theory and Applications, 2013, 46, 328-339.	0.5	10
13	Coverage with $k$ -transmitters in the presence of obstacles. Journal of Combinatorial Optimization, 2013, 25, 208-233.	1.3	9
14	SPANNING PROPERTIES OF GRAPHS INDUCED BY DIRECTIONAL ANTENNAS. Discrete Mathematics, Algorithms and Applications, 2013, 05, 1350008.	0.6	8
15	Unfolding Orthogonal Polyhedra with Quadratic Refinement: The Delta-Unfolding Algorithm. Graphs and Combinatorics, 2014, 30, 125-140.	0.4	8
16	Unfolding Genus-2 Orthogonal Polyhedra with Linear Refinement. Graphs and Combinatorics, 2017, 33, 1357-1379.	0.4	8
17	Efficient constant-velocity reconfiguration of crystalline robots. Robotica, 2011, 29, 59-71.	1.9	7
18	Switching to Directional Antennas with Constant Increase in Radius and Hop Distance. Algorithmica, 2014, 69, 397-409.	1.3	7

#	ARTICLE	IF	CITATIONS
19	YAO GRAPHS SPAN THETA GRAPHS. <i>Discrete Mathematics, Algorithms and Applications</i> , 2012, 04, 1250024.	0.6	6
20	Realistic Reconfiguration of Crystalline (and Telecube) Robots. <i>Springer Tracts in Advanced Robotics</i> , 2009, , 433-447.	0.4	5
21	Improved bounds on the stretch factor of $Y_4$ . <i>Computational Geometry: Theory and Applications</i> , 2017, 62, 14-24.	0.5	3
22	Grid Vertex-Unfolding Orthogonal Polyhedra. <i>Lecture Notes in Computer Science</i> , 2006, , 264-276.	1.3	3
23	Exact and approximation algorithms for computing optimal fat decompositions. <i>Computational Geometry: Theory and Applications</i> , 2004, 28, 19-27.	0.5	2
24	Grid Vertex-Unfolding Orthogonal Polyhedra. <i>Discrete and Computational Geometry</i> , 2008, 39, 213-238.	0.6	2
25	Computing Optimal Diameter-Bounded Polygon Partitions. <i>Algorithmica</i> , 2004, 40, 1-14.	1.3	1
26	Distributed construction of low-interference spanners. <i>Distributed Computing</i> , 2009, 22, 15-28.	0.8	1
27	Connecting Polygonizations via Stretches and Twangs. <i>Theory of Computing Systems</i> , 2010, 47, 674-695.	1.1	1
28	Continuous Yao graphs. <i>Computational Geometry: Theory and Applications</i> , 2018, 67, 42-52.	0.5	1
29	Cone-based spanners of constant degree. <i>Computational Geometry: Theory and Applications</i> , 2018, 68, 48-61.	0.5	1
30	Spanning Properties of $\Theta_6$ . <i>Graphs and Combinatorics</i> , 2020, 36, 525-538.	0.4	0
31	Unfolding polycube trees with constant refinement. <i>Computational Geometry: Theory and Applications</i> , 2021, 98, 101793.	0.5	0
32	Toward Unfolding Doubly Covered $n$ -Stars. <i>Lecture Notes in Computer Science</i> , 2021, , 122-135.	1.3	0