

Arne Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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1937685

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15
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41
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Parallel Self-Assembly Under Uniform Control Inputs. IEEE Robotics and Automation Letters, 2018, 3, 3521-3528.	5.1	14
2	Tilt Assembly: Algorithms for Micro-factories That Build Objects with Uniform External Forces. Algorithmica, 2020, 82, 165-187.	1.3	14
3	Recognition and Reconfiguration of Lattice-Based Cellular Structures by Simple Robots. , 2020, , .		12
4	New geometric algorithms for fully connected staged self-assembly. Theoretical Computer Science, 2017, 671, 4-18.	0.9	11
5	Targeted Drug Delivery: Algorithmic Methods for Collecting a Swarm of Particles with Uniform, External Forces. , 2020, , .		6
6	On Designing 2D Discrete Workspaces to Sort or Classify Polyominoes. , 2018, , .		5
7	CADbots: Algorithmic Aspects of Manipulating Programmable Matter with Finite Automata. Algorithmica, 2021, 83, 387-412.	1.3	5
8	Connected Reconfiguration of Lattice-Based Cellular Structures by Finite-Memory Robots. Lecture Notes in Computer Science, 2020, , 60-75.	1.3	4
9	Connected Reconfiguration of Lattice-Based Cellular Structures by Finite-Memory Robots. Algorithmica, 2022, 84, 2954-2986.	1.3	4
10	Coordinated Particle Relocation Using Finite Static Friction With Boundary Walls. IEEE Robotics and Automation Letters, 2020, 5, 985-992.	5.1	3
11	CADbots: Algorithmic Aspects of Manipulating Programmable Matter with Finite Automata. Springer Proceedings in Advanced Robotics, 2020, , 727-743.	1.3	2
12	Computing Area-Optimal Simple Polygonizations. Journal of Experimental Algorithmics, 2022, 27, 1-23.	1.0	2
13	Particle-Based Assembly Using Precise Global Control. Algorithmica, 0, , .	1.3	1
14	Don't Rock the Boat: Algorithms for Balanced Dynamic Loading and Unloading. Lecture Notes in Computer Science, 2018, , 448-460.	1.3	0