

Erik D Demaine

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

191 papers	3,623 citations	30 h-index	53 g-index
199 ext. papers	4,249 ext. citations	0.9 avg, IF	5.34 L-index

#	Paper	IF	Citations
191	Geometric Folding Algorithms: Linkages, Origami, Polyhedra 2007 ,		270
190	Subexponential parameterized algorithms on bounded-genus graphs and H -minor-free graphs. <i>Journal of the ACM</i> , 2005 , 52, 866-893	2	201
189	Representing Trees of Higher Degree. <i>Algorithmica</i> , 2005 , 43, 275-292	0.9	140
188	PSPACE-completeness of sliding-block puzzles and other problems through the nondeterministic constraint logic model of computation. <i>Theoretical Computer Science</i> , 2005 , 343, 72-96	1.1	137
187	On the complexity of reconfiguration problems. <i>Theoretical Computer Science</i> , 2011 , 412, 1054-1065	1.1	136
186	Correlation clustering in general weighted graphs. <i>Theoretical Computer Science</i> , 2006 , 361, 172-187	1.1	126
185	The Bidimensionality Theory and Its Algorithmic Applications. <i>Computer Journal</i> , 2007 , 51, 292-302	1.3	123
184	Jigsaw Puzzles, Edge Matching, and Polyomino Packing: Connections and Complexity. <i>Graphs and Combinatorics</i> , 2007 , 23, 195-208	0.5	118
183	Linearity of grid minors in treewidth with applications through bidimensionality. <i>Combinatorica</i> , 2008 , 28, 19-36	0.9	86
182	Games, Puzzles, and Computation		77
181	Staged self-assembly: nanomanufacture of arbitrary shapes with $O(1)$ glues. <i>Natural Computing</i> , 2008 , 7, 347-370	1.3	75
180	Fixed-parameter algorithms for (k, r) -center in planar graphs and map graphs. <i>ACM Transactions on Algorithms</i> , 2005 , 1, 33-47	1.2	72
179	Online searching with turn cost. <i>Theoretical Computer Science</i> , 2006 , 361, 342-355	1.1	65
178	Programmable Assembly With Universally Foldable Strings (Moteins). <i>IEEE Transactions on Robotics</i> , 2011 , 27, 718-729	6.5	54
177	Folding flat silhouettes and wrapping polyhedral packages: New results in computational origami. <i>Computational Geometry: Theory and Applications</i> , 2000 , 16, 3-21	0.4	53
176	Tight bounds on maximal and maximum matchings. <i>Discrete Mathematics</i> , 2004 , 285, 7-15	0.7	52
175	Bidimensional Parameters and Local Treewidth. <i>SIAM Journal on Discrete Mathematics</i> , 2004 , 18, 501-511	1.7	51

174	Blowing Up Polygonal Linkages. <i>Discrete and Computational Geometry</i> , 2003 , 30, 205-239	0.6	50
173	(Non)Existence of Pleated Folds: How Paper Folds Between Creases. <i>Graphs and Combinatorics</i> , 2011 , 27, 377-397	0.5	47
172	Subquadratic Algorithms for 3SUM. <i>Algorithmica</i> , 2008 , 50, 584-596	0.9	44
171	Optimal Covering Tours with Turn Costs. <i>SIAM Journal on Computing</i> , 2005 , 35, 531-566	1.1	44
170	Reconfiguration of list edge-colorings in a graph. <i>Discrete Applied Mathematics</i> , 2012 , 160, 2199-2207	1	40
169	Combination Can Be Hard: Approximability of the Unique Coverage Problem. <i>SIAM Journal on Computing</i> , 2008 , 38, 1464-1483	1.1	39
168	Efficient Algorithms for Petersen's Matching Theorem. <i>Journal of Algorithms</i> , 2001 , 38, 110-134		35
167	Ununfoldable polyhedra with convex faces. <i>Computational Geometry: Theory and Applications</i> , 2003 , 24, 51-62	0.4	34
166	When can you fold a map?. <i>Computational Geometry: Theory and Applications</i> , 2004 , 29, 23-46	0.4	33
165	Communication-Aware Processor Allocation for Supercomputers: Finding Point Sets of Small Average Distance. <i>Algorithmica</i> , 2008 , 50, 279-298	0.9	32
164	Correlation Clustering with Partial Information. <i>Lecture Notes in Computer Science</i> , 2003 , 1-13	0.9	32
163	On Cartesian Trees and Range Minimum Queries. <i>Lecture Notes in Computer Science</i> , 2009 , 341-353	0.9	32
162	Planning to fold multiple objects from a single self-folding sheet. <i>Robotica</i> , 2011 , 29, 87-102	2.1	31
161	Exponential Speedup of Fixed-Parameter Algorithms for Classes of Graphs Excluding Single-Crossing Graphs as Minors. <i>Algorithmica</i> , 2005 , 41, 245-267	0.9	30
160	Shape Replication through Self-Assembly and RNase Enzymes 2010 ,		27
159	Dynamic Optimality Almost. <i>SIAM Journal on Computing</i> , 2007 , 37, 240-251	1.1	27
158	ONLINE ROUTING IN CONVEX SUBDIVISIONS. <i>International Journal of Computational Geometry and Applications</i> , 2002 , 12, 283-295	0.3	27
157	The Two-Handed Tile Assembly Model Is Not Intrinsically Universal. <i>Lecture Notes in Computer Science</i> , 2013 , 400-412	0.9	27

156	An end-to-end approach to making self-folded 3D surface shapes by uniform heating 2014 ,		26
155	Approximation algorithms for classes of graphs excluding single-crossing graphs as minors. <i>Journal of Computer and System Sciences</i> , 2004 , 69, 166-195	1	26
154	Linear-time algorithm for sliding tokens on trees. <i>Theoretical Computer Science</i> , 2015 , 600, 132-142	1.1	25
153	Diameter and Treewidth in Minor-Closed Graph Families, Revisited. <i>Algorithmica</i> , 2004 , 40, 211-215	0.9	25
152	Hinged dissection of polyominoes and polyforms. <i>Computational Geometry: Theory and Applications</i> , 2005 , 31, 237-262	0.4	25
151	Folding Flat Crease Patterns With Thick Materials. <i>Journal of Mechanisms and Robotics</i> , 2016 , 8,	2.2	24
150	The Stackelberg Minimum Spanning Tree Game. <i>Algorithmica</i> , 2011 , 59, 129-144	0.9	24
149	A unified access bound on comparison-based dynamic dictionaries. <i>Theoretical Computer Science</i> , 2007 , 382, 86-96	1.1	24
148	The Bidimensional Theory of Bounded-Genus Graphs. <i>SIAM Journal on Discrete Mathematics</i> , 2006 , 20, 357-371	0.7	23
147	A linear lower bound on index size for text retrieval. <i>Journal of Algorithms</i> , 2003 , 48, 2-15		23
146	Swapping labeled tokens on graphs. <i>Theoretical Computer Science</i> , 2015 , 586, 81-94	1.1	21
145	What is the optimal shape of a city?. <i>Journal of Physics A</i> , 2004 , 37, 147-159		21
144	Approximability of partitioning graphs with supply and demand. <i>Journal of Discrete Algorithms</i> , 2008 , 6, 627-650		20
143	An Optimal Cache-Oblivious Priority Queue and Its Application to Graph Algorithms. <i>SIAM Journal on Computing</i> , 2007 , 36, 1672-1695	1.1	20
142	Polygons cuttable by a circular saw. <i>Computational Geometry: Theory and Applications</i> , 2001 , 20, 69-84	0.4	20
141	Necklaces, Convolutions, and X+Y. <i>Algorithmica</i> , 2014 , 69, 294-314	0.9	19
140	Polynomial-Time Approximation Schemes for Subset-Connectivity Problems in Bounded-Genus Graphs. <i>Algorithmica</i> , 2014 , 68, 287-311	0.9	19
139	Algorithmic Graph Minor Theory: Improved Grid Minor Bounds and Wagner's Contraction. <i>Algorithmica</i> , 2009 , 54, 142-180	0.9	19

138	Linear reconfiguration of cube-style modular robots. <i>Computational Geometry: Theory and Applications</i> , 2009 , 42, 652-663	0.4	19
137	Hinged Dissections Exist. <i>Discrete and Computational Geometry</i> , 2012 , 47, 150-186	0.6	17
136	On Cartesian Trees and Range Minimum Queries. <i>Algorithmica</i> , 2014 , 68, 610-625	0.9	17
135	The Geometry of Binary Search Trees 2009 ,		16
134	An energy-driven approach to linkage unfolding 2004 ,		16
133	Fast allocation and deallocation with an improved buddy system. <i>Acta Informatica</i> , 2005 , 41, 273-291	0.9	16
132	Filling holes in triangular meshes by curve unfolding 2009 ,		15
131	Hinged Dissection of Polypolyhedra. <i>Lecture Notes in Computer Science</i> , 2005 , 205-217	0.9	15
130	2014 ,		14
129	The distance geometry of music. <i>Computational Geometry: Theory and Applications</i> , 2009 , 42, 429-454	0.4	14
128	Reconfiguring Massive Particle Swarms with Limited, Global Control. <i>Lecture Notes in Computer Science</i> , 2014 , 51-66	0.9	14
127	Wrapping spheres with flat paper. <i>Computational Geometry: Theory and Applications</i> , 2009 , 42, 748-757	0.4	13
126	Covering points by disjoint boxes with outliers. <i>Computational Geometry: Theory and Applications</i> , 2011 , 44, 178-190	0.4	13
125	Reconfiguration of Cube-Style Modular Robots Using $O(\log n)$ Parallel Moves. <i>Lecture Notes in Computer Science</i> , 2008 , 342-353	0.9	13
124	An End-to-End Approach to Self-Folding Origami Structures. <i>IEEE Transactions on Robotics</i> , 2018 , 34, 1409-1424	6.5	13
123	Approximability of the subset sum reconfiguration problem. <i>Journal of Combinatorial Optimization</i> , 2014 , 28, 639-654	0.9	12
122	Computational Complexity and an Integer Programming Model of Shakashaka. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2014 , E97.A, 1213-1219	0.4	12
121	Fast Algorithms for Hard Graph Problems: Bidimensionality, Minors, and Local Treewidth. <i>Lecture Notes in Computer Science</i> , 2005 , 517-533	0.9	12

120	Scheduling to minimize gaps and power consumption. <i>Journal of Scheduling</i> , 2013 , 16, 151-160	1.6	11
119	Efficient reconfiguration of lattice-based modular robots. <i>Computational Geometry: Theory and Applications</i> , 2013 , 46, 917-928	0.4	11
118	Geodesic ham-sandwich cuts 2004 ,		11
117	Reconfiguring convex polygons. <i>Computational Geometry: Theory and Applications</i> , 2001 , 20, 85-95	0.4	11
116	Know When to Fold It: Self-assembly of Shapes by Folding in Origami. <i>Lecture Notes in Computer Science</i> , 2018 , 19-36	0.9	11
115	One-Dimensional Staged Self-assembly. <i>Lecture Notes in Computer Science</i> , 2011 , 100-114	0.9	11
114	Refolding Planar Polygons. <i>Discrete and Computational Geometry</i> , 2009 , 41, 444-460	0.6	10
113	Approximation algorithms via contraction decomposition. <i>Combinatorica</i> , 2010 , 30, 533-552	0.9	10
112	Fun-Sort for the chaos of unordered binary search. <i>Discrete Applied Mathematics</i> , 2004 , 144, 231-236	1	10
111	Infinitesimally locked self-touching linkages with applications to locked trees. <i>Contemporary Mathematics</i> , 2002 , 287-311	1.6	10
110	Particle computation: complexity, algorithms, and logic. <i>Natural Computing</i> , 2019 , 18, 181-201	1.3	10
109	Polynomial-Time Algorithm for Sliding Tokens on Trees. <i>Lecture Notes in Computer Science</i> , 2014 , 389-400.	0.9	9
108	Integer point sets minimizing average pairwise . <i>Computational Geometry: Theory and Applications</i> , 2011 , 44, 82-94	0.4	9
107	Constraint Logic: A Uniform Framework for Modeling Computation as Games 2008 ,		9
106	Moving-Baseline Localization 2008 ,		9
105	Quickly deciding minor-closed parameters in general graphs. <i>European Journal of Combinatorics</i> , 2007 , 28, 311-314	0.7	9
104	Geodesic Ham-Sandwich Cuts. <i>Discrete and Computational Geometry</i> , 2007 , 37, 325-339	0.6	9
103	Enumerating Foldings and Unfoldings Between Polygons and Polytopes. <i>Graphs and Combinatorics</i> , 2002 , 18, 93-104	0.5	9

102	New geometric algorithms for fully connected staged self-assembly. <i>Theoretical Computer Science</i> , 2017 , 671, 4-18	1.1	8
101	A simple proof that the $(n^2 - 1)$ -puzzle is hard. <i>Theoretical Computer Science</i> , 2018 , 732, 80-84	1.1	8
100	Coverage with k-transmitters in the presence of obstacles. <i>Journal of Combinatorial Optimization</i> , 2013 , 25, 208-233	0.9	8
99	Finding hidden independent sets in interval graphs. <i>Theoretical Computer Science</i> , 2004 , 310, 287-307	1.1	8
98	Solitaire Clobber. <i>Theoretical Computer Science</i> , 2004 , 313, 325-338	1.1	8
97	The Stackelberg Minimum Spanning Tree Game. <i>Lecture Notes in Computer Science</i> , 2007 , 64-76	0.9	8
96	Approximability of the Subset Sum Reconfiguration Problem. <i>Lecture Notes in Computer Science</i> , 2011 , 58-69	0.9	8
95	New Geometric Algorithms for Fully Connected Staged Self-Assembly. <i>Lecture Notes in Computer Science</i> , 2015 , 104-116	0.9	7
94	UNO is hard, even for a single player. <i>Theoretical Computer Science</i> , 2014 , 521, 51-61	1.1	7
93	One-dimensional staged self-assembly. <i>Natural Computing</i> , 2013 , 12, 247-258	1.3	7
92	The Stackelberg minimum spanning tree game on planar and bounded-treewidth graphs. <i>Journal of Combinatorial Optimization</i> , 2013 , 25, 19-46	0.9	7
91	Minimizing Movement: Fixed-Parameter Tractability. <i>ACM Transactions on Algorithms</i> , 2014 , 11, 1-29	1.2	7
90	Unfolding Orthogonal Polyhedra with Quadratic Refinement: The Delta-Unfolding Algorithm. <i>Graphs and Combinatorics</i> , 2014 , 30, 125-140	0.5	7
89	Continuous Blooming of Convex Polyhedra. <i>Graphs and Combinatorics</i> , 2011 , 27, 363-376	0.5	7
88	Morpion Solitaire. <i>Theory of Computing Systems</i> , 2006 , 39, 439-453	0.6	7
87	Voronoi game on graphs and its complexity 2006 ,		7
86	Common Unfoldings of Polyominoes and Polycubes. <i>Lecture Notes in Computer Science</i> , 2011 , 44-54	0.9	7
85	Combining Binary Search Trees. <i>Lecture Notes in Computer Science</i> , 2013 , 388-399	0.9	7

84	Universal Reconfiguration of Facet-Connected Modular Robots by Pivots: The $O(1)$ Musketeers. <i>Algorithmica</i> , 2021 , 83, 1316-1351	0.9	7
83	The Two-Handed Tile Assembly Model is not Intrinsically Universal. <i>Algorithmica</i> , 2016 , 74, 812-850	0.9	6
82	Efficient constant-velocity reconfiguration of crystalline robots**. <i>Robotica</i> , 2011 , 29, 59-71	2.1	6
81	Embedding Stacked Polytopes on a Polynomial-Size Grid 2011 ,		5
80	Locked and Unlocked Chains of Planar Shapes. <i>Discrete and Computational Geometry</i> , 2010 , 44, 439-462	0.6	5
79	Optimally Adaptive Integration of Univariate Lipschitz Functions. <i>Algorithmica</i> , 2008 , 50, 255-278	0.9	5
78	Edge-unfolding nested polyhedral bands. <i>Computational Geometry: Theory and Applications</i> , 2008 , 39, 30-42	0.4	5
77	Puzzles, Art, and Magic with Algorithms. <i>Theory of Computing Systems</i> , 2006 , 39, 473-481	0.6	5
76	Locked and unlocked chains of planar shapes 2006 ,		5
75	Low-Dimensional Embedding with Extra Information. <i>Discrete and Computational Geometry</i> , 2006 , 36, 609-632	0.6	5
74	PersiFS 2005 ,		5
73	Realistic Reconfiguration of Crystalline (and Telecube) Robots. <i>Springer Tracts in Advanced Robotics</i> , 2009 , 433-447	0.5	5
72	Approximation Algorithms via Structural Results for Apex-Minor-Free Graphs. <i>Lecture Notes in Computer Science</i> , 2009 , 316-327	0.9	5
71	Unlocking history through automated virtual unfolding of sealed documents imaged by X-ray microtomography. <i>Nature Communications</i> , 2021 , 12, 1184	17.4	5
70	1.5-Approximation for Treewidth of Graphs Excluding a Graph with One Crossing as a Minor. <i>Lecture Notes in Computer Science</i> , 2002 , 67-80	0.9	5
69	Particle computation: Device fan-out and binary memory 2015 ,		4
68	Worst-Case Optimal Tree Layout in External Memory. <i>Algorithmica</i> , 2015 , 72, 369-378	0.9	4
67	Simple Folding is Really Hard. <i>Journal of Information Processing</i> , 2017 , 25, 580-589	0.2	4

66	Generalized D-Forms Have No Spurious Creases. <i>Discrete and Computational Geometry</i> , 2010 , 43, 179-186	0.6	4
65	NP-completeness of generalized Kaboodle. <i>Journal of Information Processing</i> , 2012 , 20, 713-718	0.2	4
64	Confluently Persistent Tries for Efficient Version Control. <i>Algorithmica</i> , 2010 , 57, 462-483	0.9	4
63	Hinged dissections exist 2008 ,		4
62	Box Pleating is Hard. <i>Lecture Notes in Computer Science</i> , 2016 , 167-179	0.9	4
61	The Stackelberg Minimum Spanning Tree Game on Planar and Bounded-Treewidth Graphs. <i>Lecture Notes in Computer Science</i> , 2009 , 125-136	0.9	4
60	Unfolding and Dissection of Multiple Cubes, Tetrahedra, and Doubly Covered Squares. <i>Journal of Information Processing</i> , 2017 , 25, 610-615	0.2	3
59	Algorithmic Folding Complexity. <i>Graphs and Combinatorics</i> , 2011 , 27, 341-351	0.5	3
58	Appendix B: Open problems at the 2002 Dagstuhl Seminar on Algorithmic Combinatorial Game Theory. <i>Theoretical Computer Science</i> , 2004 , 313, 539-543	1.1	3
57	Minimal Locked Trees. <i>Lecture Notes in Computer Science</i> , 2009 , 61-73	0.9	3
56	Fun with fonts: Algorithmic typography. <i>Theoretical Computer Science</i> , 2015 , 586, 111-119	1.1	2
55	Data Structures for Halfplane Proximity Queries and Incremental Voronoi Diagrams. <i>Algorithmica</i> , 2018 , 80, 3316-3334	0.9	2
54	Finding a Hamiltonian Path in a Cube with Specified Turns is Hard. <i>Journal of Information Processing</i> , 2013 , 21, 368-377	0.2	2
53	Dynamic ham-sandwich cuts in the plane. <i>Computational Geometry: Theory and Applications</i> , 2009 , 42, 419-428	0.4	2
52	Plane Embeddings of Planar Graph Metrics. <i>Discrete and Computational Geometry</i> , 2007 , 38, 615-637	0.6	2
51	Optimal adaptive algorithms for finding the nearest and farthest point on a parametric black-box curve 2004 ,		2
50	The Bidimensional Theory of Bounded-Genus Graphs. <i>Lecture Notes in Computer Science</i> , 2004 , 191-203	0.9	2
49	Reconfiguring Undirected Paths. <i>Lecture Notes in Computer Science</i> , 2019 , 353-365	0.9	2

48	Flat Foldings of Plane Graphs with Prescribed Angles and Edge Lengths. <i>Lecture Notes in Computer Science</i> , 2014 , 272-283	0.9	2
47	Approximating the Canadian Traveller Problem with Online Randomization. <i>Algorithmica</i> , 2021 , 83, 1524-1543	0.5	2
46	Folding Polyominoes into (Poly)Cubes. <i>International Journal of Computational Geometry and Applications</i> , 2018 , 28, 197-226	0.3	2
45	Approximability of Partitioning Graphs with Supply and Demand. <i>Lecture Notes in Computer Science</i> , 2006 , 121-130	0.9	2
44	Fast Allocation and Deallocation with an Improved Buddy System. <i>Lecture Notes in Computer Science</i> , 1999 , 84-96	0.9	2
43	Folding and Punching Paper. <i>Journal of Information Processing</i> , 2017 , 25, 590-600	0.2	1
42	Picture-Hanging Puzzles. <i>Theory of Computing Systems</i> , 2014 , 54, 531-550	0.6	1
41	Embedding Stacked Polytopes on a Polynomial-Size Grid. <i>Discrete and Computational Geometry</i> , 2017 , 57, 782-809	0.6	1
40	Folded Structures Satisfying Multiple Conditions. <i>Journal of Information Processing</i> , 2017 , 25, 601-609	0.2	1
39	Any Monotone Function Is Realized by Interlocked Polygons. <i>Algorithms</i> , 2012 , 5, 148-157	1.8	1
38	GHOST CHIMNEYS. <i>International Journal of Computational Geometry and Applications</i> , 2012 , 22, 207-214	0.3	1
37	Geometric Restrictions on Producible Polygonal Protein Chains. <i>Algorithmica</i> , 2006 , 44, 167-181	0.9	1
36	Playing Dominoes Is Hard, Except by Yourself. <i>Lecture Notes in Computer Science</i> , 2014 , 137-146	0.9	1
35	Symmetric Assembly Puzzles are Hard, Beyond a Few Pieces. <i>Lecture Notes in Computer Science</i> , 2016 , 180-192	0.9	1
34	Dissection with the Fewest Pieces is Hard, Even to Approximate. <i>Lecture Notes in Computer Science</i> , 2016 , 37-48	0.9	1
33	Polyhedral Characterization of Reversible Hinged Dissections. <i>Graphs and Combinatorics</i> , 2020 , 36, 221-229	0.3	1
32	Trains, Games, and Complexity: 0/1/2-Player Motion Planning Through Input/Output Gadgets. <i>Lecture Notes in Computer Science</i> , 2022 , 187-198	0.9	1
31	Reprint of: Refold rigidity of convex polyhedra. <i>Computational Geometry: Theory and Applications</i> , 2014 , 47, 507-517	0.4	0

30	Symmetric assembly puzzles are hard, beyond a few pieces 2020 , 90, 101648-101648		0
29	Algorithmic Graph Minor Theory: Improved Grid Minor Bounds and Wagner's Contraction. <i>Lecture Notes in Computer Science</i> , 2006 , 3-15	0.9	0
28	Universal hinge patterns for folding strips efficiently into any grid polyhedron. <i>Computational Geometry: Theory and Applications</i> , 2020 , 89, 101633	0.4	0
27	Edge Matching with Inequalities, Triangles, Unknown Shape, and Two Players. <i>Journal of Information Processing</i> , 2020 , 28, 987-1007	0.2	0
26	Reconfiguration of satisfying assignments and subset sums: Easy to find, hard to connect. <i>Theoretical Computer Science</i> , 2020 , 806, 332-343	1.1	0
25	Folding polyominoes with holes into a cube. <i>Computational Geometry: Theory and Applications</i> , 2021 , 93, 101700	0.4	0
24	Arboreal satisfaction: Recognition and LP approximation. <i>Information Processing Letters</i> , 2017 , 127, 1-5	0.8	
23	The fewest clues problem. <i>Theoretical Computer Science</i> , 2018 , 748, 28-39	1.1	
22	9. Tangled Tangles 2018 , 141-154		
21	Juggling and Card Shuffling Meet Mathematical Fonts 297-304		
20	You Should Be Scared of German Ghost. <i>Journal of Information Processing</i> , 2015 , 23, 293-298	0.2	
19	Computational Complexity of Piano-Hinged Dissections. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2014 , E97.A, 1206-1212	0.4	
18	Refold rigidity of convex polyhedra. <i>Computational Geometry: Theory and Applications</i> , 2013 , 46, 979-989	0.4	
17	PSPACE-completeness of Pulling Blocks to Reach a Goal. <i>Journal of Information Processing</i> , 2020 , 28, 929-941	0.2	
16	Adventures in Maze Folding Art. <i>Journal of Information Processing</i> , 2020 , 28, 745-749	0.2	
15	Toward Unfolding Doubly Covered n-Stars. <i>Lecture Notes in Computer Science</i> , 2021 , 122-135	0.9	
14	Ununfoldable polyhedra with 6 vertices or 6 faces. <i>Computational Geometry: Theory and Applications</i> , 2022 , 103, 101857	0.4	
13	Optimally Adaptive Integration of Univariate Lipschitz Functions. <i>Lecture Notes in Computer Science</i> , 2006 , 142-153	0.9	

12	Reconfiguration of Satisfying Assignments and Subset Sums: Easy to Find, Hard to Connect. <i>Lecture Notes in Computer Science</i> , 2018 , 365-377	0.9
11	Belga B-Trees. <i>Lecture Notes in Computer Science</i> , 2019 , 93-105	0.9
10	Tetris is NP-hard even with $O(1)$ Rows or Columns. <i>Journal of Information Processing</i> , 2020 , 28, 942-958	0.2
9	Blame Trees. <i>Lecture Notes in Computer Science</i> , 2013 , 280-290	0.9
8	Fun with Fonts: Algorithmic Typography. <i>Lecture Notes in Computer Science</i> , 2014 , 16-27	0.9
7	Who witnesses The Witness? Finding witnesses in The Witness is hard and sometimes impossible. <i>Theoretical Computer Science</i> , 2020 , 839, 41-102	1.1
6	Infinite All-Layers Simple Foldability. <i>Graphs and Combinatorics</i> , 2020 , 36, 231-244	0.5
5	Path Puzzles: Discrete Tomography with a Path Constraint is Hard. <i>Graphs and Combinatorics</i> , 2020 , 36, 251-267	0.5
4	Belga B-Trees. <i>Theory of Computing Systems</i> , 2021 , 65, 541-558	0.6
3	Snipperclips: Cutting tools into desired polygons using themselves. <i>Computational Geometry: Theory and Applications</i> , 2021 , 98, 101784	0.4
2	Continuous flattening of all polyhedral manifolds using countably infinite creases. <i>Computational Geometry: Theory and Applications</i> , 2021 , 98, 101773	0.4
1	Traversability, Reconfiguration, and Reachability in the Gadget Framework. <i>Lecture Notes in Computer Science</i> , 2022 , 47-58	0.9