

# Michael Farber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7860418/publications.pdf>

Version: 2024-02-01

20  
papers

638  
citations

1040056

9  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Complexity of Motion Planning. Discrete and Computational Geometry, 2003, 29, 211-221.	0.6	209
2	Title is missing!. International Mathematics Research Notices, 2003, 2003, 1853.	1.0	57
3	TOPOLOGY OF ROBOT MOTION PLANNING. , 2006, , 185-230.		45
4	Random Simplicial Complexes. Springer INdAM Series, 2016, , 129-153.	0.5	26
5	Robot motion planning, weights of cohomology classes, and cohomology operations. Proceedings of the American Mathematical Society, 2008, 136, 3339-3349.	0.8	24
6	CONFIGURATION SPACES AND ROBOT MOTION PLANNING ALGORITHMS. Lecture Notes Series, Institute for Mathematical Sciences, 2017, , 263-303.	0.2	19
7	MOTION PLANNING IN SPACES WITH SMALL FUNDAMENTAL GROUPS. Communications in Contemporary Mathematics, 2010, 12, 107-119.	1.2	17
8	Topology of random linkages. Algebraic and Geometric Topology, 2008, 8, 155-171.	0.4	16
9	Bredon cohomology and robot motion planning. Algebraic and Geometric Topology, 2019, 19, 2023-2059.	0.4	15
10	Fundamental groups of clique complexes of random graphs. Transactions of the London Mathematical Society, 2015, 2, 1-32.	0.7	13
11	An upper bound for topological complexity. Topology and Its Applications, 2019, 255, 109-125.	0.4	10
12	Higher topological complexity of aspherical spaces. Topology and Its Applications, 2019, 258, 142-160.	0.4	9
13	On the topological complexity of aspherical spaces. Journal of Topology and Analysis, 2020, 12, 293-319.	0.5	8
14	Directed topological complexity. Journal of Applied and Computational Topology, 2020, 4, 11-27.	2.0	6
15	Random simplicial complexes in the medial regime. Topology and Its Applications, 2020, 272, 107065.	0.4	6
16	Random simplicial complexes, duality and the critical dimension. Journal of Topology and Analysis, 2022, 14, 1-31.	0.5	6
17	Generating functions and topological complexity. Topology and Its Applications, 2020, 278, 107235.	0.4	4
18	The Rado simplicial complex. Journal of Applied and Computational Topology, 2021, 5, 339-356.	2.0	3

#	ARTICLE	IF	CITATIONS
19	Ample simplicial complexes. European Journal of Mathematics, 2022, 8, 1-32.	0.5	2
20	Random Surfaces with Boundary. Discrete and Computational Geometry, 0, , 1.	0.6	1