Ulrike Tillmann

List of Publications by Year
in descending order

20 papers	596 citations	1478505 6 h-index	888059 17 g-index
22 all docs	22 docs citations	22 times ranked	422 citing authors

#	Article	IF	Citations
1	A Framework for Differential Calculus on Persistence Barcodes. Foundations of Computational Mathematics, 2022, 22, 1069-1131.	2.5	8
2	The fiber of persistent homology for simplicial complexes. Journal of Pure and Applied Algebra, 2022, 226, 107099.	0.6	4
3	Configuration-mapping spaces and homology stability. Research in Mathematical Sciences, 2021, 8, 1.	1.0	1
4	Inverting operations in operads. Topology and Its Applications, 2018, 235, 130-145.	0.4	3
5	Infinite loop spaces from operads with homological stability. Advances in Mathematics, 2017, 321, 391-430.	1.1	5
6	A roadmap for the computation of persistent homology. EPJ Data Science, 2017, 6, 17.	2.8	371
7	Homology stability for symmetric diffeomorphism and mapping class groups. Mathematical Proceedings of the Cambridge Philosophical Society, 2016, 160, 121-139.	0.4	3
8	Tubular configurations: equivariant scanning and splitting. Journal of the London Mathematical Society, 2014, 90, 940-962.	1.0	5
9	Spaces of graphs and surfaces: on the work of SÃ¸ren Galatius. Bulletin of the American Mathematical Society, 2012, 49, 73-90.	1.5	1
10	Embeddings of braid groups into mapping class groups and their homology. , 2012, , 173-191.		6
11	Artin's map in stable homology. Bulletin of the London Mathematical Society, 2007, 39, 989-992.	0.8	3
12	Braids, mapping class groups, and categorical delooping. Mathematische Annalen, 2007, 339, 377-393.	1.4	10
13	The stable mapping class group and Q(â„Pâˆž+). Inventiones Mathematicae, 2001, 145, 509-544.	2.5	50
14	Stripping and splitting decorated mapping class groups. , 2001, , 47-57.		17
15	Higher genus surface operad detects infinite loop spaces. Mathematische Annalen, 2000, 317, 613-628.	1.4	18
16	Vanishing of the Batalin-Vilkovisky Algebra Structure for TCFTs. Communications in Mathematical Physics, 1999, 205, 283-286.	2.2	4
17	A splitting for the stable mapping class group. Mathematical Proceedings of the Cambridge Philosophical Society, 1999, 127, 55-65.	0.4	16
18	On the homotopy of the stable mapping class group. Inventiones Mathematicae, 1997, 130, 257-275.	2.5	62

#	Article	IF	Citations
19	Mapping configuration spaces to moduli spaces. , 0, , .		2
20	Random ÄŒech complexes on manifolds with boundary. Random Structures and Algorithms, 0, , .	1.1	4