

Ulrike Tillmann

List of Publications by Year in descending order

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Version: 2024-02-01

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 roadmap for the computation of persistent homology. EPJ Data Science, 2017, 6, 17.	2.8	371
2	On the homotopy of the stable mapping class group. Inventiones Mathematicae, 1997, 130, 257-275.	2.5	62
3	The stable mapping class group and $Q(\hat{\alpha}, \hat{\beta}^{\pm})$. Inventiones Mathematicae, 2001, 145, 509-544.	2.5	50
4	Higher genus surface operad detects infinite loop spaces. Mathematische Annalen, 2000, 317, 613-628.	1.4	18
5	Stripping and splitting decorated mapping class groups. , 2001, , 47-57.		17
6	A splitting for the stable mapping class group. Mathematical Proceedings of the Cambridge Philosophical Society, 1999, 127, 55-65.	0.4	16
7	Braids, mapping class groups, and categorical delooping. Mathematische Annalen, 2007, 339, 377-393.	1.4	10
8	A Framework for Differential Calculus on Persistence Barcodes. Foundations of Computational Mathematics, 2022, 22, 1069-1131.	2.5	8
9	Embeddings of braid groups into mapping class groups and their homology. , 2012, , 173-191.		6
10	Tubular configurations: equivariant scanning and splitting. Journal of the London Mathematical Society, 2014, 90, 940-962.	1.0	5
11	Infinite loop spaces from operads with homological stability. Advances in Mathematics, 2017, 321, 391-430.	1.1	5
12	Vanishing of the Batalin-Vilkovisky Algebra Structure for TCFTs. Communications in Mathematical Physics, 1999, 205, 283-286.	2.2	4
13	Random Čech complexes on manifolds with boundary. Random Structures and Algorithms, 0, , .	1.1	4
14	The fiber of persistent homology for simplicial complexes. Journal of Pure and Applied Algebra, 2022, 226, 107099.	0.6	4
15	Artin's map in stable homology. Bulletin of the London Mathematical Society, 2007, 39, 989-992.	0.8	3
16	Homology stability for symmetric diffeomorphism and mapping class groups. Mathematical Proceedings of the Cambridge Philosophical Society, 2016, 160, 121-139.	0.4	3
17	Inverting operations in operads. Topology and Its Applications, 2018, 235, 130-145.	0.4	3
18	Mapping configuration spaces to moduli spaces. , 0, , .		2

#	ARTICLE	IF	CITATIONS
19	Spaces of graphs and surfaces: on the work of Søren Galatius. Bulletin of the American Mathematical Society, 2012, 49, 73-90.	1.5	1
20	Configuration-mapping spaces and homology stability. Research in Mathematical Sciences, 2021, 8, 1.	1.0	1