

Ulrike Tillmann

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.

20 papers	329 citations	7 h-index	18 g-index
22 ext. papers	441 ext. citations	1.3 avg, IF	3.51 L-index

#	Paper	IF	Citations
20	A roadmap for the computation of persistent homology. <i>EPJ Data Science</i> , 2017 , 6, 17	3.4	188
19	On the homotopy of the stable mapping class group. <i>Inventiones Mathematicae</i> , 1997 , 130, 257-275	2.2	43
18	The stable mapping class group and $Q(\mathbb{CP}^n)$. <i>Inventiones Mathematicae</i> , 2001 , 145, 509-544	2.2	37
17	Stripping and splitting decorated mapping class groups 2001 , 47-57		12
16	Higher genus surface operad detects infinite loop spaces. <i>Mathematische Annalen</i> , 2000 , 317, 613-628	1	9
15	Braids, mapping class groups, and categorical delooping. <i>Mathematische Annalen</i> , 2007 , 339, 377-393	1	8
14	A splitting for the stable mapping class group. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1999 , 127, 55-65	0.7	8
13	Embeddings of braid groups into mapping class groups and their homology 2012 , 173-191		4
12	Infinite loop spaces from operads with homological stability. <i>Advances in Mathematics</i> , 2017 , 321, 391-430	3.3	3
11	Vanishing of the Batalin-Vilkovisky Algebra Structure for TCFTs. <i>Communications in Mathematical Physics</i> , 1999 , 205, 283-286	2	3
10	Toward homology operations for mapping class groups. <i>Contemporary Mathematics</i> , 1998 , 35-46	1.6	3
9	Homology stability for symmetric diffeomorphism and mapping class groups. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2016 , 160, 121-139	0.7	3
8	Tubular configurations: equivariant scanning and splitting. <i>Journal of the London Mathematical Society</i> , 2014 , 90, 940-962	0.7	2
7	Artin's map in stable homology. <i>Bulletin of the London Mathematical Society</i> , 2007 , 39, 989-992	0.9	2
6	Spaces of graphs and surfaces: on the work of Søren Galatius. <i>Bulletin of the American Mathematical Society</i> , 2012 , 49, 73-90	1.3	1
5	Random Eech complexes on manifolds with boundary. <i>Random Structures and Algorithms</i> ,	0.8	1
4	A Framework for Differential Calculus on Persistence Barcodes. <i>Foundations of Computational Mathematics</i> , ¹	2.7	1

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| 3 | Inverting operations in operads. <i>Topology and Its Applications</i> , 2018 , 235, 130-145 | 0.4 | o |
| 2 | The fiber of persistent homology for simplicial complexes. <i>Journal of Pure and Applied Algebra</i> , 2022 , 107099 | 0.6 | o |
| 1 | Configuration-mapping spaces and homology stability. <i>Research in Mathematical Sciences</i> , 2021 , 8, 1 | 1.5 | |