

Shmuel Weinberger

List of Publications by Year in descending order

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687363

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#	ARTICLE	IF	CITATIONS
1	Additivity of Higher Rho Invariants and Nonrigidity of Topological Manifolds. <i>Communications on Pure and Applied Mathematics</i> , 2021, 74, 3-113.	3.1	9
2	An infinite-dimensional phenomenon in finite-dimensional metric topology. <i>Cambridge Journal of Mathematics</i> , 2020, 8, 95-147.	1.5	2
3	Interpolation, the Rudimentary Geometry of Spaces of Lipschitz Functions, and Geometric Complexity. <i>Foundations of Computational Mathematics</i> , 2019, 19, 991-1011.	2.5	2
4	On the stable Cannon Conjecture. <i>Journal of Topology</i> , 2019, 12, 799-832.	0.5	3
5	A trichotomy theorem for transformation groups of locally symmetric manifolds and topological rigidity. <i>Advances in Mathematics</i> , 2018, 327, 25-46.	1.1	0
6	Convergence of the reach for a sequence of Gaussian-embedded manifolds. <i>Probability Theory and Related Fields</i> , 2018, 171, 1045-1091.	1.8	1
7	Quantitative nullhomotopy and rational homotopy type. <i>Geometric and Functional Analysis</i> , 2018, 28, 563-588.	1.8	7
8	On the vanishing of homology in random Čech complexes. <i>Random Structures and Algorithms</i> , 2017, 51, 14-51.	1.1	20
9	Finite part of operator K -theory for groups finitely embeddable into Hilbert space and the degree of nonrigidity of manifolds. <i>Geometry and Topology</i> , 2015, 19, 2767-2799.	1.3	44
10	Crackle: The Homology of Noise. <i>Discrete and Computational Geometry</i> , 2014, 52, 680-704.	0.6	32
11	The Complexity of Some Topological Inference Problems. <i>Foundations of Computational Mathematics</i> , 2014, 14, 1277-1285.	2.5	3
12	Closed aspherical manifolds with center. <i>Journal of Topology</i> , 2013, 6, 1009-1018.	0.5	4
13	The intrinsic asymmetry and inhomogeneity of Teichmüller space. <i>Duke Mathematical Journal</i> , 2010, 155, .	1.5	5
14	Taming 3-manifolds using scalar curvature. <i>Geometriae Dedicata</i> , 2010, 148, 3-14.	0.3	7
15	Bruce Williams. <i>Geometriae Dedicata</i> , 2010, 148, 1-2.	0.3	0
16	Persistent homology for random fields and complexes. <i>Institute of Mathematical Statistics Collections</i> , 2010, , 124-143.	0.3	52
17	Fixed-point theories on noncompact manifolds. <i>Journal of Fixed Point Theory and Applications</i> , 2009, 6, 15-25.	1.1	0
18	E7, Wirtinger inequalities, Cayley 4-form, and homotopy. <i>Duke Mathematical Journal</i> , 2009, 146, .	1.5	14

#	ARTICLE	IF	CITATIONS
19	Finding the Homology of Submanifolds with High Confidence from Random Samples. Discrete and Computational Geometry, 2008, 39, 419-441.	0.6	307
20	Finding the Homology of Submanifolds with High Confidence from Random Samples. Discrete and Computational Geometry, 2008, 39, 419.	0.6	13
21	Topological nonrigidity of nonuniform lattices. Communications on Pure and Applied Mathematics, 2007, 60, 282-290.	3.1	4
22	The signature operator at 2. Topology, 2006, 45, 47-63.	0.3	10
23	The Novikov Conjecture for Linear Groups. Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques, 2005, 101, 243-268.	4.3	129
24	The Fractal Nature of Riem/Diff I. Geometriae Dedicata, 2003, 101, 1-54.	0.3	23
25	On invariants of Hirzebruch and Cheeger-Gromov. Geometry and Topology, 2003, 7, 311-319.	1.3	29
26	Surgery and stratified spaces. , 2001, , 319-352.		14
27	Characteristic fixed-point sets of semifree actions on spheres. Communications on Pure and Applied Mathematics, 1999, 52, 935-947.	3.1	1
28	Rationality of invariants. Mathematische Zeitschrift, 1996, 223, 245-246.	0.9	1
29	A coarse approach to the Novikov conjecture. , 1995, , 147-163.		33
30	Nonlocally Linear Manifolds and Orbifolds. , 1995, , 637-647.		6
31	HigherG-signatures for Lipschitz manifolds. K-theory, 1993, 7, 101-132.	0.5	14
32	Curvature, tangentiality, and controlled topology. Inventiones Mathematicae, 1991, 105, 401-414.	2.5	57
33	The classification of nonlinear similarities over \mathbb{Z}^r . Bulletin of the American Mathematical Society, 1990, 22, 51-58.	1.5	7
34	An equivariant Novikov conjecture. K-theory, 1990, 4, 29-53.	0.5	12
35	Semifree locally linear pl actions on the sphere. Israel Journal of Mathematics, 1989, 66, 351-363.	0.8	4
36	Group actions and equivariant Lipschitz analysis. Bulletin of the American Mathematical Society, 1987, 17, 109-112.	1.5	14

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37	Free \hat{A} -actions. Commentarii Mathematici Helvetici, 1987, 62, 450-464.	0.7	2