

Brian White

List of Publications by Year in descending order

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27
papers

761
citations

687363

13
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

175
citing authors

#	ARTICLE	IF	CITATIONS
1	The nature of singularities in mean curvature flow of mean-convex sets. Journal of the American Mathematical Society, 2002, 16, 123-138.	3.9	127
2	The size of the singular set in mean curvature flow of mean-convex sets. Journal of the American Mathematical Society, 2000, 13, 665-695.	3.9	108
3	A local regularity theorem for mean curvature flow. Annals of Mathematics, 2005, 161, 1487-1519.	4.2	104
4	Rectifiability of Flat Chains. Annals of Mathematics, 1999, 150, 165.	4.2	79
5	The round sphere minimizes entropy among closed self-shrinkers. Journal of Differential Geometry, 2013, 95, .	1.1	38
6	Title is missing!. Indiana University Mathematics Journal, 1989, 38, 683.	0.9	38
7	Existence of least-energy configurations of immiscible fluids. Journal of Geometric Analysis, 1996, 6, 151-161.	1.0	34
8	A new proof of the compactness theorem for integral currents. Commentarii Mathematici Helvetici, 1989, 64, 207-220.	0.7	29
9	Stratification of minimal surfaces, mean curvature flows, and harmonic maps.. Journal Fur Die Reine Und Angewandte Mathematik, 1997, 1997, 1-36.	0.9	29
10	Currents and flat chains associated to varifolds, with an application to mean curvature flow. Duke Mathematical Journal, 2009, 148, .	1.5	25
11	The maximum principle for minimal varieties of arbitrary codimension. Communications in Analysis and Geometry, 2010, 18, 421-432.	0.4	25
12	The topology of hypersurfaces moving by mean curvature. Communications in Analysis and Geometry, 1995, 3, 317-333.	0.4	20
13	Subsequent singularities in mean-convex mean curvature flow. Calculus of Variations and Partial Differential Equations, 2015, 54, 1457-1468.	1.7	18
14	A local regularity theorem for mean curvature flow with triple edges. Journal Fur Die Reine Und Angewandte Mathematik, 2020, 2020, 281-305.	0.9	11
15	Notes on Translating Solitons for Mean Curvature Flow. Springer Proceedings in Mathematics and Statistics, 2021, , 147-168.	0.2	9
16	Ancient asymptotically cylindrical flows and applications. Inventiones Mathematicae, 2022, 229, 139-241.	2.5	9
17	The mathematics of F. J. Almgren, Jr.. Journal of Geometric Analysis, 1998, 8, 681-702.	1.0	8
18	Helicoidal minimal surfaces of prescribed genus. Acta Mathematica, 2016, 216, 217-323.	3.9	8

#	ARTICLE	IF	CITATIONS
19	Topological change in mean convex mean curvature flow. <i>Inventiones Mathematicae</i> , 2013, 191, 501-525.	2.5	7
20	On the compactness theorem for embedded minimal surfaces in S^3 -manifolds with locally bounded area and genus. <i>Communications in Analysis and Geometry</i> , 2018, 26, 659-678.	0.4	7
21	Sharp lower bounds on density for area-minimizing cones. <i>Cambridge Journal of Mathematics</i> , 2015, 3, 1-18.	1.5	6
22	Sharp entropy bounds for self-shrinkers in mean curvature flow. <i>Geometry and Topology</i> , 2019, 23, 1611-1619.	1.3	5
23	Nonfattening of Mean Curvature Flow at Singularities of Mean Convex Type. <i>Communications on Pure and Applied Mathematics</i> , 2020, 73, 558-580.	3.1	5
24	Sequences of embedded minimal disks whose curvatures blow up on a prescribed subset of a line. <i>Communications in Analysis and Geometry</i> , 2011, 19, 487-502.	0.4	5
25	Soap films bounded by non-closed curves. <i>Journal of Geometric Analysis</i> , 1998, 8, 239-250.	1.0	4
26	Nguyen's tridents and the classification of semigraphical translators for mean curvature flow. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2022, 2022, 79-105.	0.9	3
27	Limiting behavior of sequences of properly embedded minimal disks. <i>Journal of Differential Geometry</i> , 2020, 116, .	1.1	0