

Glen Wheeler

List of Publications by Year in descending order

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papers

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37
all docs

37
docs citations

37
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Surface diffusion flow near spheres. <i>Calculus of Variations and Partial Differential Equations</i> , 2012, 44, 131-151.	1.7	24
2	On the curve diffusion flow of closed plane curves. <i>Annali Di Matematica Pura Ed Applicata</i> , 2013, 192, 931-950.	1.0	19
3	A classification theorem for Helfrich surfaces. <i>Mathematische Annalen</i> , 2013, 357, 1485-1508.	1.4	18
4	Unstable Willmore surfaces of revolution subject to natural boundary conditions. <i>Calculus of Variations and Partial Differential Equations</i> , 2013, 48, 293-313.	1.7	17
5	Solitons for the inverse mean curvature flow. <i>Pacific Journal of Mathematics</i> , 2016, 284, 309-326.	0.5	16
6	Lifespan theorem for constrained surface diffusion flows. <i>Mathematische Zeitschrift</i> , 2011, 269, 147-178.	0.9	15
7	Lifespan Theorem for simple constrained surface diffusion flows. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 375, 685-698.	1.0	12
8	Global analysis of the generalised Helfrich flow of closed curves immersed in \mathbb{R}^n . <i>Transactions of the American Mathematical Society</i> , 2015, 367, 2263-2300.	0.9	11
9	The polyharmonic heat flow of closed plane curves. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 439, 608-633.	1.0	10
10	The geometric triharmonic heat flow of immersed surfaces near spheres. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2017, 161, 44-86.	1.1	10
11	CHEN'S CONJECTURE AND $\hat{\mu}$ -SUPERBIHARMONIC SUBMANIFOLDS OF RIEMANNIAN MANIFOLDS. <i>International Journal of Mathematics</i> , 2013, 24, 1350028.	0.5	9
12	Finite time singularities for the locally constrained Willmore flow of surfaces. <i>Communications in Analysis and Geometry</i> , 2016, 24, 843-886.	0.4	9
13	Gap phenomena for a class of fourth-order geometric differential operators on surfaces with boundary. <i>Proceedings of the American Mathematical Society</i> , 2014, 143, 1719-1737.	0.8	7
14	The Shrinking Figure Eight and Other Solitons for the Curve Diffusion Flow. <i>Journal of Elasticity</i> , 2015, 119, 191-211.	1.9	7
15	FOURTH ORDER GEOMETRIC EVOLUTION EQUATIONS. <i>Bulletin of the Australian Mathematical Society</i> , 2010, 82, 523-524.	0.5	6
16	A mixed finite element method for a sixth-order elliptic problem. <i>IMA Journal of Numerical Analysis</i> , 2019, 39, 374-397.	2.9	6
17	A gradient flow for the p-elastic energy defined on closed planar curves. <i>Mathematische Annalen</i> , 2020, 378, 777-828.	1.4	6
18	Rigidity and stability of spheres in the Helfrich model. <i>Interfaces and Free Boundaries</i> , 2018, 19, 495-523.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Minimal hypersurfaces in the ball with free boundary. <i>Differential Geometry and Its Applications</i> , 2019, 62, 120-127.	0.5	4
20	The anisotropic polyharmonic curve flow for closed plane curves. <i>Calculus of Variations and Partial Differential Equations</i> , 2019, 58, 1.	1.7	4
21	Evolution of closed curves by length-constrained curve diffusion. <i>Proceedings of the American Mathematical Society</i> , 2019, 147, 3493-3506.	0.8	4
22	Mean curvature flow with free boundary outside a hypersphere. <i>Transactions of the American Mathematical Society</i> , 2017, 369, 8319-8342.	0.9	3
23	Closed ideal planar curves. <i>Geometry and Topology</i> , 2020, 24, 1019-1049.	1.3	3
24	A Sixth Order Curvature Flow of Plane Curves with Boundary Conditions. <i>MATRIX Book Series</i> , 2019, , 213-221.	0.2	3
25	On an inverse curvature flow in two-dimensional space forms. <i>Mathematische Annalen</i> , 2022, 384, 1-24.	1.4	3
26	Weighted Segmented Digital Watermarking. <i>Lecture Notes in Computer Science</i> , 2005, , 89-100.	1.3	3
27	On binary reflected Gray codes and functions. <i>Discrete Mathematics</i> , 2008, 308, 1690-1700.	0.7	2
28	A sixth order flow of plane curves with boundary conditions. <i>Tohoku Mathematical Journal</i> , 2020, 72, .	0.2	2
29	Some local estimates and a uniqueness result for the entire biharmonic heat equation. <i>Advances in Calculus of Variations</i> , 2014, .	1.2	1
30	On a curvature flow model for embryonic epidermal wound healing. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2019, 189, 111581.	1.1	1
31	Convergence for global curve diffusion flows. <i>Mathematics in Engineering</i> , 2022, 4, 1-13.	0.9	1
32	High order curvature flows of plane curves with generalised Neumann boundary conditions. <i>Advances in Calculus of Variations</i> , 2022, 15, 497-513.	1.2	1
33	The Shrinking Figure Eight and Other Solitons for the Curve Diffusion Flow. , 2016, , 191-211.		1
34	Curvature contraction of convex hypersurfaces by nonsmooth speeds. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2017, 2017, 169-190.	0.9	0
35	A rigidity theorem for ideal surfaces with flat boundary. <i>Annals of Global Analysis and Geometry</i> , 2020, 57, 1-13.	0.6	0
36	Mean curvature flow with free boundary " Type 2 singularities. <i>Mathematische Nachrichten</i> , 2020, 293, 794-813.	0.8	0