

Glen Wheeler

List of Publications by Year in descending order

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36
papers

243
citations

1039880

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1058333

14
g-index

37
all docs

37
docs citations

37
times ranked

69
citing authors

#	ARTICLE	IF	CITATIONS
1	Convergence for global curve diffusion flows. <i>Mathematics in Engineering</i> , 2022, 4, 1-13.	0.5	1
2	High order curvature flows of plane curves with generalised Neumann boundary conditions. <i>Advances in Calculus of Variations</i> , 2022, 15, 497-513.	0.7	1
3	On an inverse curvature flow in two-dimensional space forms. <i>Mathematische Annalen</i> , 2022, 384, 1-24.	0.7	3
4	A gradient flow for the p-elastic energy defined on closed planar curves. <i>Mathematische Annalen</i> , 2020, 378, 777-828.	0.7	6
5	A rigidity theorem for ideal surfaces with flat boundary. <i>Annals of Global Analysis and Geometry</i> , 2020, 57, 1-13.	0.3	0
6	Closed ideal planar curves. <i>Geometry and Topology</i> , 2020, 24, 1019-1049.	0.5	3
7	Mean curvature flow with free boundary " Type 2 singularities. <i>Mathematische Nachrichten</i> , 2020, 293, 794-813.	0.4	0
8	A sixth order flow of plane curves with boundary conditions. <i>Tohoku Mathematical Journal</i> , 2020, 72, .	0.4	2
9	On a curvature flow model for embryonic epidermal wound healing. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2019, 189, 111581.	0.6	1
10	Minimal hypersurfaces in the ball with free boundary. <i>Differential Geometry and Its Applications</i> , 2019, 62, 120-127.	0.2	4
11	A mixed finite element method for a sixth-order elliptic problem. <i>IMA Journal of Numerical Analysis</i> , 2019, 39, 374-397.	1.5	6
12	The anisotropic polyharmonic curve flow for closed plane curves. <i>Calculus of Variations and Partial Differential Equations</i> , 2019, 58, 1.	0.9	4
13	Evolution of closed curves by length-constrained curve diffusion. <i>Proceedings of the American Mathematical Society</i> , 2019, 147, 3493-3506.	0.4	4
14	A Sixth Order Curvature Flow of Plane Curves with Boundary Conditions. <i>MATRIX Book Series</i> , 2019, , 213-221.	0.2	3
15	Rigidity and stability of spheres in the Helfrich model. <i>Interfaces and Free Boundaries</i> , 2018, 19, 495-523.	0.2	5
16	Mean curvature flow with free boundary outside a hypersphere. <i>Transactions of the American Mathematical Society</i> , 2017, 369, 8319-8342.	0.5	3
17	Curvature contraction of convex hypersurfaces by nonsmooth speeds. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2017, 2017, 169-190.	0.4	0
18	The geometric triharmonic heat flow of immersed surfaces near spheres. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2017, 161, 44-86.	0.6	10

#	ARTICLE	IF	CITATIONS
19	Solitons for the inverse mean curvature flow. Pacific Journal of Mathematics, 2016, 284, 309-326.	0.2	16
20	The polyharmonic heat flow of closed plane curves. Journal of Mathematical Analysis and Applications, 2016, 439, 608-633.	0.5	10
21	The Shrinking Figure Eight and Other Solitons for the Curve Diffusion Flow. , 2016, , 191-211.		1
22	Finite time singularities for the locally constrained Willmore flow of surfaces. Communications in Analysis and Geometry, 2016, 24, 843-886.	0.2	9
23	Global analysis of the generalised Helfrich flow of closed curves immersed in \mathbb{R}^n . Transactions of the American Mathematical Society, 2015, 367, 2263-2300.	0.5	11
24	The Shrinking Figure Eight and Other Solitons for the Curve Diffusion Flow. Journal of Elasticity, 2015, 119, 191-211.	0.9	7
25	Gap phenomena for a class of fourth-order geometric differential operators on surfaces with boundary. Proceedings of the American Mathematical Society, 2014, 143, 1719-1737.	0.4	7
26	Some local estimates and a uniqueness result for the entire biharmonic heat equation. Advances in Calculus of Variations, 2014, .	0.7	1
27	A classification theorem for Helfrich surfaces. Mathematische Annalen, 2013, 357, 1485-1508.	0.7	18
28	Unstable Willmore surfaces of revolution subject to natural boundary conditions. Calculus of Variations and Partial Differential Equations, 2013, 48, 293-313.	0.9	17
29	On the curve diffusion flow of closed plane curves. Annali Di Matematica Pura Ed Applicata, 2013, 192, 931-950.	0.5	19
30	CHEN'S CONJECTURE AND $\hat{\mu}$ -SUPERBIHARMONIC SUBMANIFOLDS OF RIEMANNIAN MANIFOLDS. International Journal of Mathematics, 2013, 24, 1350028.	0.2	9
31	Surface diffusion flow near spheres. Calculus of Variations and Partial Differential Equations, 2012, 44, 131-151.	0.9	24
32	Lifespan theorem for constrained surface diffusion flows. Mathematische Zeitschrift, 2011, 269, 147-178.	0.4	15
33	Lifespan Theorem for simple constrained surface diffusion flows. Journal of Mathematical Analysis and Applications, 2011, 375, 685-698.	0.5	12
34	FOURTH ORDER GEOMETRIC EVOLUTION EQUATIONS. Bulletin of the Australian Mathematical Society, 2010, 82, 523-524.	0.3	6
35	On binary reflected Gray codes and functions. Discrete Mathematics, 2008, 308, 1690-1700.	0.4	2
36	Weighted Segmented Digital Watermarking. Lecture Notes in Computer Science, 2005, , 89-100.	1.0	3