

Carlo Sinestrari

List of Publications by Year in descending order

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36
papers

1,308
citations

567281

15
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of singularities from the initial datum for Hamilton-Jacobi equations. Journal of Differential Equations, 2020, 268, 1412-1426.	2.2	2
2	Strong spherical rigidity of ancient solutions of expansive curvature flows. Bulletin of the London Mathematical Society, 2020, 52, 94-99.	0.8	6
3	Convex sets evolving by volume-preserving fractional mean curvature flows. Analysis and PDE, 2020, 13, 2149-2171.	1.4	5
4	Ancient Solutions of Geometric Flows with Curvature Pinching. Journal of Geometric Analysis, 2019, 29, 1206-1232.	1.0	12
5	Volume preserving flow by powers of symmetric polynomials in the principal curvatures. Mathematische Zeitschrift, 2018, 289, 1219-1236.	0.9	2
6	Neckpinch singularities in fractional mean curvature flows. Proceedings of the American Mathematical Society, 2018, 146, 2637-2646.	0.8	16
7	Volume-preserving nonhomogeneous mean curvature flow of convex hypersurfaces. Annali Di Matematica Pura Ed Applicata, 2018, 197, 1295-1309.	1.0	9
8	Cylindrical estimates for mean curvature flow of hypersurfaces in CROSSes. Annals of Global Analysis and Geometry, 2017, 51, 179-188.	0.6	1
9	Singularities of Three-Dimensional Ricci Flows. Lecture Notes in Mathematics, 2016, , 71-104.	0.2	0
10	Ricci Flow and Geometric Applications. Lecture Notes in Mathematics, 2016, , .	0.2	0
11	Convex ancient solutions of the mean curvature flow. Journal of Differential Geometry, 2015, 101, .	1.1	26
12	Evolution of convex entire graphs by curvature flows. Geometric Flows, 2015, 1, .	1.2	1
13	Convex hypersurfaces evolving by volume preserving curvature flows. Calculus of Variations and Partial Differential Equations, 2015, 54, 1985-1993.	1.7	14
14	Global propagation of singularities for time dependent Hamilton-Jacobi equations. Discrete and Continuous Dynamical Systems, 2015, 35, 4225-4239.	0.9	10
15	Singular gradient flow of the distance function and homotopy equivalence. Mathematische Annalen, 2013, 356, 23-43.	1.4	31
16	Ancient solutions to the Ricci flow with pinched curvature. Duke Mathematical Journal, 2011, 158, .	1.5	15
17	Convexity estimates for a nonhomogeneous mean curvature flow. Mathematische Zeitschrift, 2010, 266, 65-82.	0.9	12
18	Volume-preserving flow by powers of the mth mean curvature. Calculus of Variations and Partial Differential Equations, 2010, 38, 441-469.	1.7	36

#	ARTICLE	IF	CITATIONS
19	Mean curvature flow with surgeries. , 2010, , 36-38.		0
20	Mean curvature flow with surgeries of two-convex hypersurfaces. <i>Inventiones Mathematicae</i> , 2009, 175, 137-221.	2.5	96
21	On a Differential Model for Growing Sandpiles with Non-Regular Sources. <i>Communications in Partial Differential Equations</i> , 2009, 34, 656-675.	2.2	18
22	Regularity along optimal trajectories of the value function of a Mayer problem. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2004, 10, 666-676.	1.3	2
23	Semiconcave Functions, Hamilton-Jacobi Equations, and Optimal Control. , 2004, , .		424
24	On the spreading of characteristics for non-convex conservation laws. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2001, 131, 909-925.	1.2	12
25	Optimality Conditions and Synthesis for the Minimum Time Problem. <i>Set-Valued and Variational Analysis</i> , 2000, 8, 127-148.	0.5	21
26	Semiconcavity for optimal control problems with exit time. <i>Discrete and Continuous Dynamical Systems</i> , 2000, 6, 975-997.	0.9	22
27	Layering methods for Hamilton-Jacobi equations with nonconvex Hamiltonian. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1999, 38, 137-149.	1.1	0
28	Convexity estimates for mean curvature flow and singularities of mean convex surfaces. <i>Acta Mathematica</i> , 1999, 183, 45-70.	3.9	197
29	Mean curvature flow singularities for mean convex surfaces. <i>Calculus of Variations and Partial Differential Equations</i> , 1999, 8, 1-14.	1.7	132
30	The Riemann Problem for an Inhomogeneous Conservation Law Without Convexity. <i>SIAM Journal on Mathematical Analysis</i> , 1997, 28, 109-135.	1.9	20
31	Regularity Results for Solutions of a Class of Hamilton-Jacobi Equations. <i>Archive for Rational Mechanics and Analysis</i> , 1997, 140, 197-223.	2.4	39
32	Instability of Discontinuous Traveling Waves for Hyperbolic Balance Laws. <i>Journal of Differential Equations</i> , 1997, 134, 269-285.	2.2	18
33	Convexity properties of the minimum time function. <i>Calculus of Variations and Partial Differential Equations</i> , 1995, 3, 273-298.	1.7	65
34	Large time behaviour of solutions of balance laws with periodic initial data. <i>Nonlinear Differential Equations and Applications</i> , 1995, 2, 111-131.	0.8	18
35	Semiconcavity of solutions of stationary Hamilton-Jacobi equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1995, 24, 1321-1326.	1.1	14
36	On a class of nonlinear time optimal control problems. <i>Discrete and Continuous Dynamical Systems</i> , 1995, 1, 285-300.	0.9	12