

Xiaodong Cao

List of Publications by Year in descending order

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20
papers

572
citations

758635

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h-index

752256

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g-index

21
all docs

21
docs citations

21
times ranked

120
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional noncompact κ -solutions that are Type I forward and backward. Proceedings of the American Mathematical Society, 2020, 148, 2595-2600.	0.4	0
2	Einstein four-manifolds of pinched sectional curvature. Advances in Mathematics, 2018, 335, 322-342.	0.5	6
3	Differential Harnack estimates for Fisher's equation. Pacific Journal of Mathematics, 2017, 290, 273-300.	0.2	11
4	The Weyl tensor of gradient Ricci solitons. Geometry and Topology, 2016, 20, 389-436.	0.5	16
5	Harnack estimates for conjugate heat kernel on evolving manifolds. Mathematische Zeitschrift, 2015, 281, 201-214.	0.4	12
6	Harnack estimate for the Endangered Species Equation. Proceedings of the American Mathematical Society, 2015, 143, 4537-4545.	0.4	8
7	Mean value inequalities and conditions to extend Ricci flow. Mathematical Research Letters, 2015, 22, 417-438.	0.2	3
8	Differential Harnack estimates for a nonlinear heat equation. Journal of Functional Analysis, 2013, 265, 2312-2330.	0.7	23
9	Estimate and monotonicity of the first eigenvalue under the Ricci flow. Mathematische Annalen, 2012, 354, 451-463.	0.7	20
10	The conjugate heat equation and Ancient solutions of the Ricci flow. Advances in Mathematics, 2011, 228, 2891-2919.	0.5	47
11	ON LOCALLY CONFORMALLY FLAT GRADIENT SHRINKING RICCI SOLITONS. Communications in Contemporary Mathematics, 2011, 13, 269-282.	0.6	48
12	Curvature pinching estimate and singularities of the Ricci flow. Communications in Analysis and Geometry, 2011, 19, 975-990.	0.2	10
13	Gradient estimates for the heat equation under the Ricci flow. Journal of Functional Analysis, 2010, 258, 3517-3542.	0.7	85
14	Differential Harnack Estimates for Time-Dependent Heat Equations with Potentials. Geometric and Functional Analysis, 2009, 19, 989-1000.	0.6	68
15	Backward Ricci flow on locally homogeneous 3-manifolds. Communications in Analysis and Geometry, 2009, 17, 305-325.	0.2	16
16	The backward behavior of the Ricci and cross-curvature flows on $\mathbb{S}^2(\mathbb{R})$. Communications in Analysis and Geometry, 2009, 17, 777-796.	0.2	10
17	Differential Harnack estimates for backward heat equations with potentials under the Ricci flow. Journal of Functional Analysis, 2008, 255, 1024-1038.	0.7	49
18	First eigenvalues of geometric operators under the Ricci flow. Proceedings of the American Mathematical Society, 2008, 136, 4075-4078.	0.4	55

#	ARTICLE	IF	CITATIONS
19	Compact gradient shrinking Ricci solitons with positive curvature operator. Journal of Geometric Analysis, 2007, 17, 425-433.	0.5	21
20	Eigenvalues of $-\Delta + \text{Ric}^2$ on manifolds with nonnegative curvature operator. Mathematische Annalen, 2006, 337, 435-441.	0.7	53