Jia-Yong Wu

List of Publications by Year in descending order

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759233 839539 40 351 12 18 h-index citations g-index papers 42 42 42 77 all docs docs citations times ranked citing authors

#	Article	IF	CITATIONS
1	Elliptic gradient estimates for a weighted heat equation and applications. Mathematische Zeitschrift, 2015, 280, 451-468.	0.9	37
2	Li–Yau type estimates for a nonlinear parabolic equation on complete manifolds. Journal of Mathematical Analysis and Applications, 2010, 369, 400-407.	1.0	32
3	Elliptic gradient estimates for a nonlinear heat equation and applications. Nonlinear Analysis: Theory, Methods & Applications, 2017, 151, 1-17.	1.1	31
4	First eigenvalue of the p-Laplace operator along the Ricci flow. Annals of Global Analysis and Geometry, 2010, 38, 27-55.	0.6	23
5	Heat kernel on smooth metric measure spaces with nonnegative curvature. Mathematische Annalen, 2015, 362, 717-742.	1.4	23
6	First eigenvalue monotonicity for the p-Laplace operator under the Ricci flow. Acta Mathematica Sinica, English Series, 2011, 27, 1591-1598.	0.6	18
7	Gradient estimates for a nonlinear parabolic equation and Liouville theorems. Manuscripta Mathematica, 2019, 159, 511-547.	0.6	18
8	Upper bounds on the first eigenvalue for a diffusion operator via Bakry–Émery Ricci curvature. Journal of Mathematical Analysis and Applications, 2010, 361, 10-18.	1.0	17
9	Upper Bounds on the First Eigenvalue for a Diffusion Operator via Bakry–Émery Ricci Curvature II. Results in Mathematics, 2013, 63, 1079-1094.	0.8	17
10	<mml:math altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml:msup></mml:math>	ni> <td>mrow>17</td>	mrow>17
11	Heat kernel on smooth metric measure spaces and applications. Mathematische Annalen, 2016, 365, 309-344.	1.4	17
12	Myers' type theorem with the Bakry–Émery Ricci tensor. Annals of Global Analysis and Geometry, 2018, 54, 541-549.	0.6	16
13	Gradient shrinking Ricci solitons of half harmonic Weyl curvature. Calculus of Variations and Partial Differential Equations, 2018, 57, 1.	1.7	15
14	Relating diameter and mean curvature for Riemannian submanifolds. Proceedings of the American Mathematical Society, 2011, 139, 4097-4104.	0.8	12
15	Differential Harnack inequalities for nonlinear heat equations with potentials under the Ricci flow. Pacific Journal of Mathematics, 2012, 257, 199-218.	0.5	9
16	De Lellis–Topping type inequalities for smooth metric measure spaces. Geometriae Dedicata, 2014, 169, 273-281.	0.3	7
17	Comparison Geometry for Integral Bakry–Émery Ricci Tensor Bounds. Journal of Geometric Analysis, 2019, 29, 828-867.	1.0	7
18	Interpolating between constrained Li–Yau and Chow–Hamilton Harnack inequalities on a surface. Archiv Der Mathematik, 2010, 94, 591-600.	0.5	4

#	Article	IF	CITATIONS
19	A note on the splitting theorem for the weighted measure. Annals of Global Analysis and Geometry, 2013, 43, 287-298.	0.6	4
20	Counting ends on complete smooth metric measure spaces. Proceedings of the American Mathematical Society, 2015, 144, 2231-2239.	0.8	3
21	Gradient estimates for weighted harmonic function with Dirichlet boundary condition. Nonlinear Analysis: Theory, Methods & Applications, 2021, 213, 112498.	1.1	3
22	Sharp gradient estimates on weighted manifolds with compact boundary. Communications on Pure and Applied Analysis, 2021, 20, 4127.	0.8	3
23	Gradient estimates for a nonlinear parabolic equation with Dirichlet boundary condition. Kodai Mathematical Journal, 2022, 45, .	0.3	3
24	The logarithmic entropy formula for the linear heat equation on Riemannian manifolds. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 4862-4872.	1.1	2
25	Sharp Hamilton's Laplacian estimate for the heat kernel on complete manifolds. Proceedings of the American Mathematical Society, 2013, 141, 4401-4409.	0.8	2
26	Sharp upper diameter bounds for compact shrinking Ricci solitons. Annals of Global Analysis and Geometry, 2021, 60, 19-32.	0.6	2
27	Some extensions of the mean curvature flow in riemannian manifolds. Acta Mathematica Scientia, 2013, 33, 171-186.	1.0	1
28	Pinching estimates for solutions of the linearized Ricci flow system in higher dimensions. Differential Geometry and Its Applications, 2016, 46, 108-118.	0.5	1
29	New Differential Harnack Inequalities for Nonlinear Heat Equations. Chinese Annals of Mathematics Series B, 2020, 41, 267-284.	0.4	1
30	Myers' Type Theorem for Integral Bakry–Émery Ricci Tensor Bounds. Results in Mathematics, 2021, 76, 1	0.8	1
31	LIOUVILLE PROPERTY FOR <i>f</i> -HARMONIC FUNCTIONS WITH POLYNOMIAL GROWTH. Kyushu Journal of Mathematics, 2019, 73, 229-238.	0.4	1
32	Gap theorems for ends of smooth metric measure spaces. Proceedings of the American Mathematical Society, 2022, 150, 4947-4957.	0.8	1
33	Diameter estimate for closed manifolds with positive scalar curvature. Journal of Geometry and Physics, 2022, 178, 104545.	1.4	1
34	Time Analyticity for the Heat Equation on Gradient Shrinking Ricci Solitons. Acta Mathematica Scientia, 2022, 42, 1690-1700.	1.0	1
35	Ricci Deformation of the Metric on Riemannian Orbifolds. Results in Mathematics, 2010, 57, 377-386.	0.8	0
36	Interpolating between constrained Li–Yau and Chow–Hamilton Harnack inequalities for a nonlinear parabolic equation. Journal of Mathematical Analysis and Applications, 2012, 396, 363-370.	1.0	0

#	Article	IF	CITATIONS
37	Rigidity of closed metric measure spaces with nonnegative curvature. Kodai Mathematical Journal, 2016, 39, .	0.3	О
38	Schr $\tilde{A}\P$ dinger heat kernel upper bounds on gradient shrinking Ricci solitons. Journal of Geometry and Physics, 2021, 161, 104035.	1.4	0
39	Comparison Geometry for Integral Radial Bakry-Émery Ricci Tensor Bounds. Potential Analysis, 0, , 1.	0.9	O
40	Cheeger–Gromoll splitting theorem for the Bakry–Emery Ricci tensor. Archiv Der Mathematik, 2021, 117, 697-708.	0.5	0