Wenxiong Chen

List of Publications by Year
in descending order

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44	3,539	218677	243625
papers	citations	26 h-index	44 g-index

45	45	45	492
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Classification of solutions of some nonlinear elliptic equations. Duke Mathematical Journal, 1991, 63, 615.	1.5	726
2	Classification of solutions for an integral equation. Communications on Pure and Applied Mathematics, 2006, 59, 330-343.	3.1	592
3	A direct method of moving planes for the fractional Laplacian. Advances in Mathematics, 2017, 308, 404-437.	1.1	234
4	Classification of Solutions for a System of Integral Equations. Communications in Partial Differential Equations, 2005, 30, 59-65.	2.2	180
5	Qualitative properties of solutions for an integral equation. Discrete and Continuous Dynamical Systems, 2005, 12, 347-354.	0.9	139
6	Liouville theorems involving the fractional Laplacian on a half space. Advances in Mathematics, 2015, 274, 167-198.	1.1	131
7	A Priori Estimates for Prescribing Scalar Curvature Equations. Annals of Mathematics, 1997, 145, 547.	4.2	103
8	Qualitative properties of solutions to some nonlinear elliptic equations in R2. Duke Mathematical Journal, 1993, 71, 427.	1.5	100
9	Prescribing gaussian curvatures on surfaces with conical singularities. Journal of Geometric Analysis, 1991, 1, 359-372.	1.0	94
10	Maximum principles for the fractional p-Laplacian and symmetry of solutions. Advances in Mathematics, 2018, 335, 735-758.	1.1	94
11	Indefinite fractional elliptic problem and Liouville theorems. Journal of Differential Equations, 2016, 260, 4758-4785.	2.2	81
12	A Liouville type theorem for poly-harmonic Dirichlet problems in a half space. Advances in Mathematics, 2012, 229, 2835-2867.	1.1	78
13	A direct method of moving spheres on fractional order equations. Journal of Functional Analysis, 2017, 272, 4131-4157.	1.4	75
14	A necessary and sufficient condition for the nirenberg problem. Communications on Pure and Applied Mathematics, 1995, 48, 657-667.	3.1	72
15	Regularity of solutions for a system of integral equations. Communications on Pure and Applied Analysis, 2005, 4, 1-8.	0.8	71
16	Maximum principles for a fully nonlinear fractional order equation and symmetry of solutions. Calculus of Variations and Partial Differential Equations, 2017, 56, 1.	1.7	60
17	The best constant in a weighted Hardy-Littlewood-Sobolev inequality. Proceedings of the American Mathematical Society, 2007, 136, 955-963.	0.8	59
18	Classification of positive solutions for nonlinear differential and integral systems with critical exponents. Acta Mathematica Scientia, 2009, 29, 949-960.	1.0	54

#	Article	IF	Citations
19	The sliding methods for the fractional p-Laplacian. Advances in Mathematics, 2020, 361, 106933.	1.1	48
20	Scalar Curvatures on S 2. Transactions of the American Mathematical Society, 1987, 303, 365.	0.9	44
21	What kinds of singular surfaces can admit constant curvature?. Duke Mathematical Journal, 1995, 78, 437.	1.5	43
22	Super polyharmonic property of solutions for PDE systems and its applications. Communications on Pure and Applied Analysis, 2013, 12, 2497-2514.	0.8	40
23	Radial symmetry of solutions for some integral systems of Wolff type. Discrete and Continuous Dynamical Systems, 2011, 30, 1083-1093.	0.9	39
24	Some Liouville theorems for the fractional Laplacian. Nonlinear Analysis: Theory, Methods & Applications, 2015, 121, 370-381.	1.1	31
25	Moving planes, moving spheres, and a priori estimates. Journal of Differential Equations, 2003, 195, 1-13.	2.2	29
26	Super poly-harmonic property of solutions for Navier boundary problems on a half space. Journal of Functional Analysis, 2013, 265, 1522-1555.	1.4	28
27	Asymptotic method of moving planes for fractional parabolic equations. Advances in Mathematics, 2021, 377, 107463.	1.1	25
28	Prescribing scalar curvature on Sn. Pacific Journal of Mathematics, 2001, 199, 61-78.	0.5	25
29	Liouville type theorems for poly-harmonic Navier problems. Discrete and Continuous Dynamical Systems, 2013, 33, 3937-3955.	0.9	25
30	A priori estimates for solutions to nonlinear elliptic equations. Archive for Rational Mechanics and Analysis, 1993, 122, 145-157.	2.4	24
31	Symmetry and non-existence of solutions for a nonlinear system involving the fractional Laplacian. Discrete and Continuous Dynamical Systems, 2015, 36, 1125-1141.	0.9	23
32	Radial symmetry and regularity of solutions for poly-harmonic Dirichlet problems. Journal of Mathematical Analysis and Applications, 2011, 377, 744-753.	1.0	22
33	Liouville Theorems for Fractional Parabolic Equations. Advanced Nonlinear Studies, 2021, 21, 939-958.	1.7	21
34	A direct blowing-up and rescaling argument on nonlocal elliptic equations. International Journal of Mathematics, 2016, 27, 1650064.	0.5	20
35	A Trudinger Inequality on Surfaces with Conical Singularities. Proceedings of the American Mathematical Society, 1990, 108, 821.	0.8	19
36	A Hopf type lemma for fractional equations. Proceedings of the American Mathematical Society, 2019, 147, 1565-1575.	0.8	15

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37	Monotonicity of positive solutions for nonlocal problems in unbounded domains. Journal of Functional Analysis, 2021, 281, 109187.	1.4	14
38	Gaussian curvature on singular surfaces. Journal of Geometric Analysis, 1993, 3, 315-334.	1.0	13
39	A <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi mathvariant="normal">sup</mml:mi><mml:mo>+</mml:mo><mml:mi mathvariant="normal">inf</mml:mi></mml:math> inequality near <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:mi>R</mml:mi><mml:mo>=</mml:mo><mml:mn>0</mml:mn></mml:math>. Advances in Mathematics, 2009, 220, 219-245.	1.1	12
40	A Liouville theorem for $alpha$-harmonic functions in $mathbb{R}^n_+$. Discrete and Continuous Dynamical Systems, 2015, 36, 1721-1736.	0.9	11
41	Nonexistence of solutions for indefinite fractional parabolic equations. Advances in Mathematics, 2021, 392, 108018.	1.1	9
42	Hopf's lemmas for parabolic fractional <i>p</i>-Laplacians. Communications on Pure and Applied Analysis, 2022, 21, 3055.	0.8	9
43	Uniform a priori estimates for solutions of higher critical order fractional equations. Calculus of Variations and Partial Differential Equations, 2021, 60, 1.	1.7	4
44	INDEFINITE ELLIPTIC PROBLEMS WITH CRITICAL EXPONENTS. , 1998, , 67-79.		1