Wei Dai

List of Publications by Year
in descending order

31 papers	436 citations	759233 12 h-index	794594 19 g-index
31 all docs	31 docs citations	31 times ranked	43 citing authors

#	Article	IF	Citations
1	Classification of nonnegative classical solutions to third-order equations. Advances in Mathematics, 2018, 328, 822-857.	1.1	53
2	Regularity and classification of solutions to static Hartree equations involving fractional Laplacians. Discrete and Continuous Dynamical Systems, 2019, 39, 1389-1403.	0.9	40
3	Classification of positive solutions to fractional order Hartree equations via a direct method of moving planes. Journal of Differential Equations, 2018, 265, 2044-2063.	2.2	35
4	Liouville Type Theorems for PDE and IE Systems Involving Fractional Laplacian on a Half Space. Potential Analysis, 2017, 46, 569-588.	0.9	27
5	Classification of nonnegative solutions to a bi-harmonic equation with Hartree type nonlinearity. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2019, 149, 979-994.	1.2	27
6	Direct Methods for Pseudo-relativistic SchrÃ¶dinger Operators. Journal of Geometric Analysis, 2021, 31, 5555.	1.0	24
7	Classification of nonnegative solutions to static SchrÃ¶dingerâ€“Hartree and SchrÃ¶dingerâ€“Maxwell equations with combined nonlinearities. Calculus of Variations and Partial Differential Equations, 2019, 58, 1.	1.7	22
8	L^p estimates for multi-linear and multi-parameter pseudo-differential operators. Bulletin De La Societe Mathematique De France, 2015, 143, 567-597.	0.2	21
9	Classification of Nonnegative Solutions to Static SchrÃ¶dinger--Hartree--Maxwell Type Equations. SIAM Journal on Mathematical Analysis, 2021, 53, 1379-1410.	1.9	20
10	A Liouville Type Theorem for Poly-harmonic System with Dirichlet Boundary Conditions in a Half Space. Advanced Nonlinear Studies, 2015, 15, 117-134.	1.7	18
11	Super poly-harmonic properties, Liouville theorems and classification of nonnegative solutions to equations involving higher-order fractional Laplacians. Transactions of the American Mathematical Society, 2021, 374, 4781-4813.	0.9	16
12	Liouville type theorem for higher order HÃ©non equations on a half space. Nonlinear Analysis: Theory, Methods & Applications, 2019, 183, 284-302.	1.1	13
13	Liouville-Type Theorems for Fractional and Higher-Order HÃ©nonâ€“Hardy Type Equations via the Method of Scaling Spheres. International Mathematics Research Notices, 2023, 2023, 9001-9070.	1.0	13
14	Liouville type theorems for elliptic equations with Dirichlet conditions in exterior domains. Journal of Differential Equations, 2020, 269, 7231-7252.	2.2	12
15	Liouville type theorems for Hardyâ€“HÃ©non equations with concave nonlinearities. Mathematische Nachrichten, 2020, 293, 1084-1093.	0.8	12
16	Maximum principles and the method of moving planes for the uniformly elliptic nonlocal Bellman operator and applications. Annali Di Matematica Pura Ed Applicata, 2021, 200, 1085-1134.	1.0	10
17	Existence and symmetry of solutions to 2-D SchrÃ¶dingerâ€“Newton equations. Dynamics of Partial Differential Equations, 2021, 18, 113-156.	0.9	8
18	Monotonicity and symmetry of positive solutions to fractional p-Laplacian equation. Communications in Contemporary Mathematics, 2022, 24, .	1.2	8

#	Article	IF	Citations
19	Liouville type theorem for critical order HÃ©non-Lane-Emden type equations on a half space and its applications. Journal of Functional Analysis, 2021, 281, 109227.	1.4	8
20	Liouville type theorems, a priori estimates and existence of solutions for sub-critical order Laneâ€”Emdenâ€”Hardy equations. Journal D'Analyse Mathematique, 2022, 146, 673-718.	0.8	8
21	Classification of positive solutions to a system of Hardy-Sobolev type equations. Acta Mathematica Scientia, 2017, 37, 1415-1436.	1.0	7
22	Hardy-Sobolev type integral systems with Dirichlet boundary conditions in a half space. Communications on Pure and Applied Analysis, 2017, 16, 1253-1264.	0.8	7
23	Classification of positive smooth solutions to third-order PDEs involving fractional Laplacians. Pacific Journal of Mathematics, 2018, 295, 367-383.	0.5	5
24	Liouville theorems for nonnegative solutions to static weighted SchrÃ¶dingerâ€“Hartreeâ€“Maxwell type equations with combined nonlinearities. Analysis and Mathematical Physics, 2021, 11, 1.	1.3	5
25	Liouville theorem for poly-harmonic functions on $${{mathbb {R}}}^{n}_{+}$$. Archiv Der Mathematik, 2020, 115, 317-327.	0.5	4
26	Uniform a priori estimates for positive solutions of higher order Lane-Emden equations in $mathbb{R}^n$. Publicacions Matematiques, 2021, 65, 319-333.	0.5	4
27	Self-similar solutions of focusing semi-linear wave equations in $${mathbb {R}}^{N}$$. Journal of Evolution Equations, 2021, 21, 4703-4750.	1.1	4
28	Liouville theorems for nonnegative solutions to Hardyâ€“HÃ©non type system on a half space. Annals of Functional Analysis, 2022, 13, 1.	0.8	3
29	L^pestimates for bilinear and multiparameter Hilbert transforms. Analysis and PDE, 2015, 8, 675-712.	1.4	1
30	Nonexistence of positive solutions to n-th order equations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow><mml:mi mathvariant="double-struck">R</mml:mi></mml:mrow><mml:mrow><mml:mi>n</mml:mi></mml:mrow></mml:msup></mml:math>. Bulletin Des Sciences Mathematiques, 2022, 174, 103072.	1.0	1
31	L^p boundedness for maximal functions associated with multi-linear pseudo-differential operators. Communications on Pure and Applied Analysis, 2017, 16, 883-898.	0.8	0