

Weicheng Zhan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Existence and Stability of Smooth Traveling Circular Pairs for the Generalized Surface Quasi-Geostrophic Equation. <i>International Mathematics Research Notices</i> , 2023, 2023, 4761-4804.	1.0	3
2	On desingularization of steady vortex for the lake equations. <i>IMA Journal of Applied Mathematics</i> , 2022, 87, 50-79.	1.6	1
3	On the global classical solutions for the generalized SQG equation. <i>Journal of Functional Analysis</i> , 2022, 283, 109503.	1.4	5
4	Asymptotic behaviour of global vortex rings. <i>Nonlinearity</i> , 2022, 35, 3680-3705.	1.4	1
5	Rotating vortex patches for the planar Euler equations in a disk. <i>Journal of Differential Equations</i> , 2021, 275, 509-532.	2.2	5
6	Desingularization of vortex rings in 3 dimensional Euler flows. <i>Journal of Differential Equations</i> , 2021, 270, 1258-1297.	2.2	8
7	Traveling vortex pairs for 2D incompressible Euler equations. <i>Calculus of Variations and Partial Differential Equations</i> , 2021, 60, 1.	1.7	7
8	Existence and regularity of co-rotating and traveling-wave vortex solutions for the generalized SQG equation. <i>Journal of Differential Equations</i> , 2021, 299, 429-462.	2.2	4
9	Desingularization of Vortices for Two-Dimensional Steady Euler Flows via the Vorticity Method. <i>SIAM Journal on Mathematical Analysis</i> , 2020, 52, 5363-5388.	1.9	13
10	Instability of the abstract Rayleigh-Taylor problem and applications. <i>Mathematical Models and Methods in Applied Sciences</i> , 2020, 30, 2299-2388.	3.3	25