Kyudong Choi

List of Publications by Year
in descending order

13 papers	183 citations	1307594 7 h-index	1125743 13 g-index
13 all docs	13 docs citations	13 times ranked	60 citing authors

#	Article	IF	Citations
1	Infinite growth in vorticity gradient of compactly supported planar vorticity near Lamb dipole. Nonlinear Analysis: Real World Applications, 2022, 65, 103470.	1.7	5
2	Stability of Lamb Dipoles. Archive for Rational Mechanics and Analysis, 2022, 244, 877-917.	2.4	17
3	Stability of radially symmetric, monotone vorticities of 2D Euler equations. Calculus of Variations and Partial Differential Equations, 2022, 61, 1.	1.7	6
4	Growth of perimeter for vortex patches in a bulk. Applied Mathematics Letters, 2021, 113, 106857.	2.7	7
5	Nonlinear stability of planar traveling waves in a chemotaxis model of tumor angiogenesis with chemical diffusion. Journal of Differential Equations, 2020, 268, 3449-3496.	2.2	7
6	Contraction for large perturbations of traveling waves in a hyperbolic–parabolic system arising from a chemotaxis model. Mathematical Models and Methods in Applied Sciences, 2020, 30, 387-437.	3.3	19
7	Global well-posedness of large perturbations of traveling waves in a hyperbolic-parabolic system arising from a chemotaxis model. Journal Des Mathematiques Pures Et Appliquees, 2020, 142, 266-297.	1.6	10
8	On the estimate of distance traveled by a particle in a disk-like vortex patch. Applied Mathematics Letters, 2019, 97, 67-72.	2.7	5
9	On the Growth of the Support of Positive Vorticity for 2D Euler Equation in an Infinite Cylinder. Communications in Mathematical Physics, 2019, 367, 1077-1093.	2.2	4
10	Stability of planar traveling waves in a Keller–Segel equation on an infinite strip domain. Journal of Differential Equations, 2018, 265, 237-279.	2.2	15
11	On the Finite-Time Blowup of a One-Dimensional Model for the Three-Dimensional Axisymmetric Euler Equations. Communications on Pure and Applied Mathematics, 2017, 70, 2218-2243.	3.1	28
12	Short-Time Stability of Scalar Viscous Shocks in the Inviscid Limit by the Relative Entropy Method. SIAM Journal on Mathematical Analysis, 2015, 47, 1405-1418.	1.9	18
13	Finite Time Blow Up for a 1D Model of 2D Boussinesq System. Communications in Mathematical Physics, 2015, 334, 1667-1679.	2.2	42