

Weiren Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

200
citations

1478505

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1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

50
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear Inviscid Damping for a Class of Monotone Shear Flow in Sobolev Spaces. <i>Communications on Pure and Applied Mathematics</i> , 2018, 71, 617-687.	3.1	60
2	Linear inviscid damping and enhanced dissipation for the Kolmogorov flow. <i>Advances in Mathematics</i> , 2020, 362, 106963.	1.1	44
3	Linear Inviscid Damping and Vorticity Depletion for Shear Flows. <i>Annals of PDE</i> , 2019, 5, 1.	1.8	34
4	Enhanced dissipation for the 2D Couette flow in critical space. <i>Communications in Partial Differential Equations</i> , 2020, 45, 1682-1701.	2.2	17
5	Fujita-Kato theorem for the 3-D inhomogeneous Navier-Stokes equations. <i>Journal of Differential Equations</i> , 2016, 261, 738-761.	2.2	13
6	Stability of the Couette Flow for a 2D Boussinesq System Without Thermal Diffusivity. <i>Archive for Rational Mechanics and Analysis</i> , 2022, 245, 645-752.	2.4	10
7	Linear Damping of Alfvén Waves by Phase Mixing. <i>SIAM Journal on Mathematical Analysis</i> , 2017, 49, 2101-2137.	1.9	8
8	Linear damping and depletion in flowing plasma with strong sheared magnetic fields. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2022, 158, 1-41.	1.6	7
9	Local wellposedness in Sobolev space for the inhomogeneous non-resistive MHD equations on general domain. <i>Communications in Contemporary Mathematics</i> , 2017, 19, 1650055.	1.2	3
10	Long-Time Behavior of Alfvén Waves in a Flowing Plasma: Generation of the Magnetic Island. <i>Archive for Rational Mechanics and Analysis</i> , 2021, 242, 1317-1394.	2.4	3
11	Global well-posedness for the 2D dissipative quasi-geostrophic equations in modulation spaces. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 4246-4258.	2.3	1
12	Persistence of Besov Regularity for a Generalized Drift-Diffusion Equation with Pressure. <i>Acta Applicandae Mathematicae</i> , 2018, 154, 83-93.	1.0	0