

Chongchun Zeng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6880873/publications.pdf>

Version: 2024-02-01

19
papers

570
citations

1163117

8
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

196
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometry and a priori estimates for free boundary problems of the Euler's equation. Communications on Pure and Applied Mathematics, 2008, 61, 698-744.	3.1	166
2	Local Well-Posedness for Fluid Interface Problems. Archive for Rational Mechanics and Analysis, 2011, 199, 653-705.	2.4	86
3	Inviscid Dynamical Structures Near Couette Flow. Archive for Rational Mechanics and Analysis, 2011, 200, 1075-1097.	2.4	64
4	Approximately invariant manifolds and global dynamics of spike states. Inventiones Mathematicae, 2008, 174, 355-433.	2.5	59
5	A priori estimates for fluid interface problems. Communications on Pure and Applied Mathematics, 2008, 61, 848-876.	3.1	59
6	Small BGK Waves and Nonlinear Landau Damping. Communications in Mathematical Physics, 2011, 306, 291-331.	2.2	37
7	Travelling water waves with compactly supported vorticity. Nonlinearity, 2013, 26, 1529-1564.	1.4	25
8	Invariant Manifolds of Traveling Waves of the 3D Gross-Pitaevskii Equation in the Energy Space. Communications in Mathematical Physics, 2018, 364, 981-1039.	2.2	11
9	Instability, index theorem, and exponential trichotomy for Linear Hamiltonian PDEs. Memoirs of the American Mathematical Society, 2022, 275, .	0.9	11
10	Self-similar solutions of Schrödinger flows. Calculus of Variations and Partial Differential Equations, 2009, 34, 267-277.	1.7	8
11	Unstable Manifolds of Euler Equations. Communications on Pure and Applied Mathematics, 2013, 66, 1803-1836.	3.1	7
12	On the Wind Generation of Water Waves. Archive for Rational Mechanics and Analysis, 2016, 222, 827-878.	2.4	6
13	Self-similar solutions for the Schrödinger map equation. Mathematische Zeitschrift, 2010, 264, 697-707.	0.9	5
14	Stability of Traveling Waves of Nonlinear Schrödinger Equation with Nonzero Condition at Infinity. Archive for Rational Mechanics and Analysis, 2016, 222, 143-212.	2.4	5
15	Dynamics near the solitary waves of the supercritical gKDV equations. Journal of Differential Equations, 2019, 267, 7213-7262.	2.2	5
16	Concentrated steady vorticities of the Euler equation on 2-d domains and their linear stability. Journal of Differential Equations, 2019, 266, 6661-6701.	2.2	5
17	Separable Hamiltonian PDEs and Turning Point Principle for Stability of Gaseous Stars. Communications on Pure and Applied Mathematics, 2022, 75, 2511-2572.	3.1	4
18	Dynamics of Threshold Solutions for Energy Critical NLS with Inverse Square Potential. SIAM Journal on Mathematical Analysis, 2022, 54, 173-219.	1.9	4

#	ARTICLE	IF	CITATIONS
19	Solutions of the generalized Lennard-Jones system. Acta Mathematica Sinica, English Series, 2018, 34, 139-170.	0.6	2