

Bin Cheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6413398/publications.pdf>

Version: 2024-02-01

14
papers

130
citations

1163117

8
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

58
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Time Existence of Smooth Solutions for the Rapidly Rotating Shallow-Water and Euler Equations. <i>SIAM Journal on Mathematical Analysis</i> , 2008, 39, 1668-1685.	1.9	27
2	Three-Scale Singular Limits of Evolutionary PDEs. <i>Archive for Rational Mechanics and Analysis</i> , 2018, 229, 601-625.	2.4	22
3	An improved local blow-up condition for Euler-Poisson equations with attractive forcing. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 2062-2066.	2.8	18
4	Convergence rate estimates for the low Mach and Alfvén number three-scale singular limit of compressible ideal magnetohydrodynamics. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2021, 55, S733-S759.	1.9	12
5	Euler equation on a fast rotating sphere—Time-averages and zonal flows. <i>European Journal of Mechanics, B/Fluids</i> , 2013, 37, 48-58.	2.5	11
6	Improved Accuracy of Incompressible Approximation of Compressible Euler Equations. <i>SIAM Journal on Mathematical Analysis</i> , 2014, 46, 3838-3864.	1.9	11
7	On the classical solutions of two dimensional inviscid rotating shallow water system. <i>Journal of Differential Equations</i> , 2011, 250, 690-709.	2.2	10
8	Singular Limits and Convergence Rates of Compressible Euler and Rotating Shallow Water Equations. <i>SIAM Journal on Mathematical Analysis</i> , 2012, 44, 1050-1076.	1.9	8
9	Singularity Formation and Global Existence of Classical Solutions for One-Dimensional Rotating Shallow Water System. <i>SIAM Journal on Mathematical Analysis</i> , 2018, 50, 2486-2508.	1.9	5
10	Time-averages of fast oscillatory systems. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2013, 6, 1151-1162.	1.1	3
11	A Rigorous Treatment of Moist Convection in a Single Column. <i>SIAM Journal on Mathematical Analysis</i> , 2017, 49, 3854-3892.	1.9	2
12	Existence of global weak solutions to a hybrid Vlasov-MHD model for magnetized plasmas. <i>Proceedings of the London Mathematical Society</i> , 2017, 115, 854-896.	1.3	1
13	Interior estimates for Monge-Ampère equation in terms of modulus of continuity. <i>Journal of Functional Analysis</i> , 2021, 280, 108893.	1.4	0
14	An interior a priori estimate for solutions to Monge-Ampère equations with right-hand side close to a positive constant. <i>Journal of Differential Equations</i> , 2021, 290, 178-196.	2.2	0