Zhou Gang

List of Publications by Year
in descending order

21 papers	265 citations	1040056 9 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	90 citing authors

#	ARTICLE	IF	CITATIONS
1	On the dynamics of formation of generic singularities of mean curvature flow. Journal of Functional Analysis, 2022, 282, 109458.	1.4	1
2	On the Mean Convexity of a Space-and-Time Neighborhood of Generic Singularities Formed by Mean Curvature flow. Journal of Geometric Analysis, 2021, 31, 9819-9890.	1.0	2
3	Exponential convergence to the Maxwell distribution of solutions of spatially inhomogeneous Boltzmann equations. Reviews in Mathematical Physics, 2020, 32, 2050001.	1.7	0
4	A non-linear adiabatic theorem for the one-dimensional Landau–Pekar equations. Journal of Functional Analysis, 2020, 279, 108631.	1.4	11
5	Adiabatic theorem for the Gross–Pitaevskii equation. Communications in Partial Differential Equations, 2017, 42, 731-756.	2.2	7
6	Sphere bundles with $1/4$-pinched fiberwise metrics. Transactions of the American Mathematical Society, 2017, 369, 6613-6630.	0.9	3
7	Universality in mean curvature flow neckpinches. Duke Mathematical Journal, 2015, 164, .	1.5	15
8	Emission of Cherenkov radiation as a mechanism for Hamiltonian friction. Advances in Mathematics, 2014, 264, 183-235.	1.1	27
9	Ballistic motion of a tracer particle coupled to a Bose gas. Advances in Mathematics, 2014, 259, 252-268.	1.1	8
10	Hamiltonian Dynamics of a Particle Interacting with a Wave Field. Communications in Partial Differential Equations, 2013, 38, 2155-2198.	2.2	7
11	Some Hamiltonian models of friction II. Journal of Mathematical Physics, 2012, 53, 103707.	1.1	7
12	Exponential Convergence to the Maxwell Distribution for Some Class of Boltzmann Equations. Communications in Mathematical Physics, 2012, 314, 525-554.	2.2	5
13	Friction in a Model of Hamiltonian Dynamics. Communications in Mathematical Physics, 2012, 315, 401-444.	2.2	18
14	On the theory of slowing down gracefully. Pramana - Journal of Physics, 2012, 78, 865-874.	1.8	1
15	Some Hamiltonian models of friction. Journal of Mathematical Physics, 2011, 52, .	1.1	13
16	Equipartition of Mass in Nonlinear Schrödinger/Gross–Pitaevskii Equations. Applied Mathematics Research EXpress, 2011, 2011, 123-181.	1.0	7
17	Neck Pinching Dynamics under Mean Curvature Flow. Journal of Geometric Analysis, 2009, 19, 36-80.	1.0	15
18	Blow-up in nonlinear heat equations. Advances in Applied Mathematics, 2008, 40, 433-481.	0.7	9

#	Article	IF	Citations
19	Relaxation of solitons in nonlinear Schrödinger equations with potential. Advances in Mathematics, 2007, 216, 443-490.	1.1	55
20	On soliton dynamics in nonlinear schrödinger equations. Geometric and Functional Analysis, 2006, 16, 1377-1390.	1.8	21
21	ASYMPTOTIC STABILITY OF NONLINEAR SCHRÃ–DINGER EQUATIONS WITH POTENTIAL. Reviews in Mathematical Physics, 2005, 17, 1143-1207.	1.7	33