Siming He

List of Publications by Year
in descending order

11 papers	119 citations	1478505 6 h-index	1372567 10 g-index
12 all docs	12 docs citations	12 times ranked	28 citing authors

#	Article	IF	Citations
1	Suppressing Chemotactic Blow-Up Through a Fast Splitting Scenario on the Plane. Archive for Rational Mechanics and Analysis, 2019, 232, 951-986.	2.4	27
2	Suppression of Blow-Up in Patlak--Keller--Segel Via Shear Flows. SIAM Journal on Mathematical Analysis, 2017, 49, 4722-4766.	1.9	26
3	Suppression of blow-up in parabolic–parabolic Patlak–Keller–Segel via strictly monotone shear flows. Nonlinearity, 2018, 31, 3651-3688.	1.4	18
4	Inviscid Damping and Enhanced Dissipation of the Boundary Layer for 2D Navier–Stokes Linearized Around Couette Flow in a Channel. Communications in Mathematical Physics, 2020, 379, 177-226.	2.2	13
5	Small-scale creation for solutions of the SQG equation. Duke Mathematical Journal, 2021, 170, .	1.5	11
6	On the $8pi$-Critical-Mass Threshold of a Patlak--Keller--Segel--Navier--Stokes System. SIAM Journal on Mathematical Analysis, 2021, 53, 2925-2956.	1.9	9
7	Enhanced dissipation, hypoellipticity for passive scalar equations with fractional dissipation. Journal of Functional Analysis, 2022, 282, 109319.	1.4	6
8	On the fast spreading scenario. Communications of the American Mathematical Society, 2022, 2, 149-171.	2.2	2
9	Stirring speeds up chemical reaction. Nonlinearity, 2022, 35, 4599-4623.	1.4	1
10	Boundary layer models of the Hou-Luo scenario. Journal of Differential Equations, 2021, 298, 182-204.	2.2	0
11	Random Search in Fluid Flow Aided by Chemotaxis. Bulletin of Mathematical Biology, 2022, 84, .	1.9	0