Christopher Henderson

List of Publications by Year
in descending order

22 papers	179 citations	1040056 9 h-index	1199594 12 g-index
22 all docs	22 docs citations	22 times ranked	75 citing authors

#	Article	IF	Citations
1	Local Well-Posedness for the Boltzmann Equation with Very Soft Potential and Polynomially Decaying Initial Data. SIAM Journal on Mathematical Analysis, 2022, 54, 2845-2875.	1.9	0
2	The Speed of Traveling Waves in a FKPP-Burgers System. Archive for Rational Mechanics and Analysis, 2021, 241, 643-681.	2.4	3
3	The Bramson delay in a Fisher–KPP equation with log-singular nonlinearity. Nonlinear Analysis: Theory, Methods & Applications, 2021, 213, 112508.	1.1	1
4	The Bramson delay in the non-local Fisher-KPP equation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2020, 37, 51-77.	1.4	15
5	C^∞ Smoothing for Weak Solutions of the Inhomogeneous Landau Equation. Archive for Rational Mechanics and Analysis, 2020, 236, 113-143.	2.4	24
6	Propagation in a Fisher-KPP equation with non-local advection. Journal of Functional Analysis, 2020, 278, 108426.	1.4	12
7	Self-generating lower bounds and continuation for the Boltzmann equation. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	1.7	5
8	Brownian fluctuations of flame fronts with small random advection. Mathematical Models and Methods in Applied Sciences, 2020, 30, 1375-1406.	3.3	2
9	Local well-posedness of the Boltzmann equation with polynomially decaying initial data. Kinetic and Related Models, 2020, 13, 837-867.	0.9	11
10	Local solutions of the Landau equation with rough, slowly decaying initial data. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2020, 37, 1345-1377.	1.4	6
11	Local existence, lower mass bounds, and a new continuation criterion for the Landau equation. Journal of Differential Equations, 2019, 266, 1536-1577.	2.2	15
12	Influence of a mortality trade-off on the spreading rate of cane toads fronts. Communications in Partial Differential Equations, 2018, 43, 1627-1671.	2.2	7
13	Super-linear propagation for a general, local cane toads model. Interfaces and Free Boundaries, 2018, 20, 483-509.	0.8	2
14	Thin Front Limit of an Integro-differential Fisher-KPP Equation with Fat-Tailed Kernels. SIAM Journal on Mathematical Analysis, 2018, 50, 3365-3394.	1.9	26
15	Super-linear spreading in local bistable cane toads equations. Nonlinearity, 2017, 30, 1356-1375.	1.4	4
16	The Bramson logarithmic delay in the cane toads equations. Quarterly of Applied Mathematics, 2017, 75, 599-634.	0.7	16
17	The reactive-telegraph equation and a related kinetic model. Nonlinear Differential Equations and Applications, 2017, 24, 1.	0.8	0
18	Propagation of solutions to the Fisher-KPP equation with slowly decaying initial data. Nonlinearity, 2016, 29, 3215-3240.	1.4	10

#	Article	IF	Citations
19	Population stabilization in branching Brownian motion with absorption and drift. Communications in Mathematical Sciences, 2016, 14, 973-985.	1.0	10
20	Stability of vortex solutions to an extended Navier–Stokes system. Communications in Mathematical Sciences, 2016, 14, 1773-1797.	1.0	0
21	Pulsating Fronts in a 2D Reactive Boussinesq System. Communications in Partial Differential Equations, 2014, 39, 1555-1595.	2.2	5
22	Non-local competition slows down front acceleration during dispersal evolution. Annales Henri Lebesgue, 0, 5, 1-71.	0.0	5