

Corrado Lattanzio

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

753
citations

567281

15
h-index

526287

27
g-index

39
all docs

39
docs citations

39
times ranked

296
citing authors

#	ARTICLE	IF	CITATIONS
1	Propagating fronts for a viscous Hamer-type system. <i>Discrete and Continuous Dynamical Systems</i> , 2022, 42, 605.	0.9	0
2	Traveling waves for quantum hydrodynamics with nonlinear viscosity. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 493, 124503.	1.0	5
3	Metastability and Layer Dynamics for the Hyperbolic Relaxation of the Cahn–Hilliard Equation. <i>Journal of Dynamics and Differential Equations</i> , 2021, 33, 75-110.	1.9	1
4	Relaxation Limit from the Quantum Navier–Stokes Equations to the Quantum Drift–Diffusion Equation. <i>Journal of Nonlinear Science</i> , 2021, 31, 1.	2.1	7
5	Spectral analysis of dispersive shocks for quantum hydrodynamics with nonlinear viscosity. <i>Mathematical Models and Methods in Applied Sciences</i> , 2021, 31, 1719-1747.	3.3	3
6	Dispersive shocks in quantum hydrodynamics with viscosity. <i>Physica D: Nonlinear Phenomena</i> , 2020, 402, 132222.	2.8	7
7	Numerical investigations of dispersive shocks and spectral analysis for linearized quantum hydrodynamics. <i>Applied Mathematics and Computation</i> , 2020, 385, 125450.	2.2	5
8	High friction limit for Euler–Korteweg and Navier–Stokes–Korteweg models via relative entropy approach. <i>Journal of Differential Equations</i> , 2020, 269, 10495-10526.	2.2	5
9	Slow dynamics for the hyperbolic Cahn–Hilliard equation in one–space dimension. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 2492-2512.	2.3	10
10	Kinetic schemes for assessing stability of traveling fronts for the Allen–Cahn equation with relaxation. <i>Applied Numerical Mathematics</i> , 2019, 141, 234-247.	2.1	4
11	Two algorithms for a fully coupled and consistently macroscopic PDE-ODE system modeling a moving bottleneck on a road. <i>Mathematics in Engineering</i> , 2018, 1, 55-83.	0.9	4
12	Relative Energy for the Korteweg Theory and Related Hamiltonian Flows in Gas Dynamics. <i>Archive for Rational Mechanics and Analysis</i> , 2017, 223, 1427-1484.	2.4	42
13	From gas dynamics with large friction to gradient flows describing diffusion theories. <i>Communications in Partial Differential Equations</i> , 2017, 42, 261-290.	2.2	29
14	Metastability for nonlinear convection–diffusion equations. <i>Nonlinear Differential Equations and Applications</i> , 2017, 24, 1.	0.8	4
15	Metastable dynamics for hyperbolic variations of the Allen–Cahn equation. <i>Communications in Mathematical Sciences</i> , 2017, 15, 2055-2085.	1.0	12
16	Analytical and numerical investigation of traveling waves for the Allen–Cahn model with relaxation. <i>Mathematical Models and Methods in Applied Sciences</i> , 2016, 26, 931-985.	3.3	13
17	Vehicular Traffic Flow Dynamics on a Bus Route. <i>Multiscale Modeling and Simulation</i> , 2013, 11, 925-942.	1.6	13
18	Relative Entropy in Diffusive Relaxation. <i>SIAM Journal on Mathematical Analysis</i> , 2013, 45, 1563-1584.	1.9	49

#	ARTICLE	IF	CITATIONS
37	The relaxation to the drift-diffusion system for the 3-D isentropic Euler-Poisson model for semiconductors. <i>Discrete and Continuous Dynamical Systems</i> , 1999, 5, 449-455.	0.9	50
38	The Zero Relaxation Limit for the Hydrodynamic Whitham Traffic Flow Model. <i>Journal of Differential Equations</i> , 1997, 141, 150-178.	2.2	28