

Rossana Marra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6977841/publications.pdf>

Version: 2024-02-01

45
papers

666
citations

623734

14
h-index

580821

25
g-index

46
all docs

46
docs citations

46
times ranked

224
citing authors

#	ARTICLE	IF	CITATIONS
1	Uniqueness of the Non-Equilibrium Steady State for a 1d BCK Model in Kinetic Theory. Acta Applicandae Mathematicae, 2020, 169, 99-124.	1.0	4
2	Diffusive limit for a Boltzmann-like equation with non-conserved momentum. Nonlinearity, 2019, 32, 4834-4852.	1.4	3
3	Hydrodynamic Limit of a Kinetic Gas Flow Past an Obstacle. Communications in Mathematical Physics, 2018, 364, 765-823.	2.2	14
4	Approach to the Steady State in Kinetic Models with Thermal Reservoirs at Different Temperatures. Journal of Statistical Physics, 2018, 172, 522-543.	1.2	7
5	Propagation of Chaos for a Thermostated Kinetic Model. Journal of Statistical Physics, 2014, 154, 265-285.	1.2	4
6	Non-Isothermal Boundary in the Boltzmann Theory and Fourier Law. Communications in Mathematical Physics, 2013, 323, 177-239.	2.2	93
7	Mesoscopic Analysis of Droplets in Lattice Systems with Long-Range Kac Potentials. Acta Applicandae Mathematicae, 2013, 123, 221-237.	1.0	0
8	Stability of a Vlasov-Boltzmann binary mixture at the phase transition on an interval. Kinetic and Related Models, 2013, 6, 761-787.	0.9	2
9	Exponential stability of the solutions to the Boltzmann equation for the Benard problem. Kinetic and Related Models, 2012, 5, 673-695.	0.9	3
10	Ghost effect by curvature in planar Couette flow. Kinetic and Related Models, 2011, 4, 109-138.	0.9	12
11	Validity of the Boltzmann equation with an external force. Kinetic and Related Models, 2011, 4, 499-515.	0.9	1
12	Stability of the Front under a Vlasov-Fokker-Planck Dynamics. Archive for Rational Mechanics and Analysis, 2010, 195, 75-116.	2.4	14
13	Stability for Rayleigh-Benard Convective Solutions of the Boltzmann Equation. Archive for Rational Mechanics and Analysis, 2010, 198, 125-187.	2.4	14
14	Phase Transition in a Vlasov-Boltzmann Binary Mixture. Communications in Mathematical Physics, 2010, 296, 1-33.	2.2	15
15	Droplet minimizers for the Ginzburg-Landau free energy functional. Nonlinearity, 2009, 22, 2919-2952.	1.4	11
16	Displacement Convexity and Minimal Fronts at Phase Boundaries. Archive for Rational Mechanics and Analysis, 2009, 194, 823-847.	2.4	7
17	Kinetic modelling of late stages of phase separation. , 2007, , 195-214.		0
18	10.1007/s10955-006-9040-z. Journal of Statistical Physics, 2006, 124, 445-483.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Droplet minimizers for the Cahn-Hilliard free energy functional. <i>Journal of Geometric Analysis</i> , 2006, 16, 233-264.	1.0	15
20	Phase segregation and interface dynamics in kinetic systems. <i>Nonlinearity</i> , 2006, 19, 115-147.	1.4	5
21	Phase transitions in equilibrium systems: microscopic models and mesoscopic free energies. <i>Molecular Physics</i> , 2005, 103, 3141-3151.	1.7	10
22	A KINETIC MODEL OF INTERFACE MOTION. <i>International Journal of Modern Physics B</i> , 2004, 18, 715-724.	2.0	2
23	Free energy minimizers for a two-species model with segregation and liquid-liquid transition. <i>Nonlinearity</i> , 2003, 16, 1075-1105.	1.4	21
24	Hydrodynamics of Binary Fluid Phase Segregation. <i>Physical Review Letters</i> , 2002, 89, 235701.	7.8	8
25	Title is missing!. <i>Journal of Statistical Physics</i> , 2000, 101, 1087-1136.	1.2	31
26	Macroscopic evolution of particle systems with short- and long-range interactions. <i>Nonlinearity</i> , 2000, 13, 2143-2162.	1.4	43
27	Navier-Stokes Limit for a Thermal Stochastic Lattice Gas. <i>Journal of Statistical Physics</i> , 1999, 96, 653-713.	1.2	2
28	Solutions to the Boltzmann Equation in the Boussinesq Regime. <i>Journal of Statistical Physics</i> , 1998, 90, 1129-1178.	1.2	12
29	Kinetics of a Model Weakly Ionized Plasma in the Presence of Multiple Equilibria. <i>Archive for Rational Mechanics and Analysis</i> , 1998, 142, 193-218.	2.4	11
30	The milne problem with a force term. <i>Transport Theory and Statistical Physics</i> , 1998, 27, 1-33.	0.4	23
31	Navier-Stokes equations for stochastic particle systems on the lattice. <i>Communications in Mathematical Physics</i> , 1996, 182, 395-455.	2.2	26
32	Navier-Stokes equations for stochastic lattice gases. <i>Physical Review E</i> , 1996, 53, 4486-4489.	2.1	5
33	The Navier-Stokes limit of stationary solutions of the nonlinear Boltzmann equation. <i>Journal of Statistical Physics</i> , 1995, 78, 389-412.	1.2	38
34	Nonunique stationary states in driven collisional systems with application to plasmas. <i>Physical Review E</i> , 1995, 52, R40-R43.	2.1	4
35	Hydrodynamic limit of the stationary Boltzmann equation in a slab. <i>Communications in Mathematical Physics</i> , 1994, 160, 49-80.	2.2	61
36	On the derivation of the incompressible Navier-Stokes equation for Hamiltonian particle systems. <i>Journal of Statistical Physics</i> , 1994, 74, 981-1004.	1.2	20

#	ARTICLE	IF	CITATIONS
37	Hydrodynamic limits of the vlasov equation. Communications in Partial Differential Equations, 1993, 18, 805-820.	2.2	29
38	Probabilistic approach to the Navier-Stokes equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 148, 41-44.	2.1	2
39	Variational principles for conservative and dissipative diffusions. Physical Review D, 1987, 36, 1724-1730.	4.7	17
40	Discrete stochastic variational principles and quantum mechanics. Physical Review D, 1984, 29, 1647-1655.	4.7	30
41	Stochastic mechanics of spin- $\hat{A}1/2$ particles. Physical Review D, 1984, 30, 2579-2584.	4.7	7
42	A remark on a possible form of spin-statistics theorem in non-relativistic quantum mechanics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 141, 93-94.	4.1	2
43	Configuration Spaces for Quantum Spinning Particles. Physical Review Letters, 1983, 50, 1715-1718.	7.8	4
44	On a relation between percolation and phase transition in the gauge invariant Ising model. Journal of Mathematical Physics, 1983, 24, 913-916.	1.1	0
45	Origin of the quantum observable operator algebra in the frame of stochastic mechanics. Physical Review D, 1983, 28, 1916-1921.	4.7	29