Stefano Scrobogna

List of Publications by Year
in descending order

17 papers	113 citations	1478505 6 h-index	1372567 10 g-index
17 all docs	17 docs citations	17 times ranked	37 citing authors

#	Article	IF	Citations
1	Surface tension stabilization of the Rayleigh-Taylor instability for a fluid layer in a porous medium. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2020, 37, 1299-1343.	1.4	19
2	Asymptotic models for free boundary flow in porous media. Physica D: Nonlinear Phenomena, 2019, 392, 1-16.	2.8	14
3	Models for Damped Water Waves. SIAM Journal on Applied Mathematics, 2019, 79, 2530-2550.	1.8	14
4	Dispersive effects of weakly compressible and fast rotating inviscid fluids. Discrete and Continuous Dynamical Systems, 2018, 38, 749-789.	0.9	11
5	Highly rotating fluids with vertical stratification for periodic data and vanishing vertical viscosity. Revista Matematica Iberoamericana, 2018, 34, 1-58.	0.9	9
6	Well-posedness of water wave model with viscous effects. Proceedings of the American Mathematical Society, 2020, 148, 5181-5191.	0.8	9
7	On the influence of gravity on density-dependent incompressible periodic fluids. Journal of Differential Equations, 2019, 267, 1510-1559.	2.2	6
8	On an Asymptotic Model for Free Boundary Darcy Flow in Porous Media. SIAM Journal on Mathematical Analysis, 2020, 52, 4937-4970.	1.9	6
9	Well-posedness of the water-wave with viscosity problem. Journal of Differential Equations, 2021, 276, 96-148.	2.2	6
10	Derivation of limit equations for a singular perturbation of a 3D periodic Boussinesq system. Discrete and Continuous Dynamical Systems, 2017, 37, 5979-6034.	0.9	6
11	On the global well-posedness of a class of 2D solutions for the Rosensweig system of ferrofluids. Journal of Differential Equations, 2019, 266, 2718-2761.	2.2	5
12	Well-posedness of an asymptotic model for capillarity-driven free boundary Darcy flow in porous media in the critical Sobolev space. Nonlinear Analysis: Real World Applications, 2021, 60, 103308.	1.7	2
13	Global existence and convergence of nondimensionalized incompressible Navier-Stokes equations in low Froude number regime. Discrete and Continuous Dynamical Systems, 2020, 40, 5471-5511.	0.9	2
14	A global well-posedness result for the Rosensweig system of ferrofluids. Revista Matematica Iberoamericana, 2020, 36, 895-938.	0.9	2
15	Global well-posedness and decay for viscous water wave models. Physics of Fluids, 2021, 33, 102115.	4.0	2
16	Some remark on the existence of infinitely many nonphysical solutions to the incompressible Navier–Stokes equations. Journal of Mathematical Analysis and Applications, 2019, 470, 226-234.	1.0	0
17	Zero limit of entropic relaxation time for the Shliomis model of ferrofluids. Journal of Mathematical Analysis and Applications, 2021, 501, 125213.	1.0	0