

Ewelina Zatorska

List of Publications by Year in descending order

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38
papers

537
citations

623734

14
h-index

713466

21
g-index

38
all docs

38
docs citations

38
times ranked

153
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximal Regularity for Compressible Two-Fluid System. Journal of Mathematical Fluid Mechanics, 2022, 24, 1.	1.0	2
2	On weak solutions to the compressible inviscid two-fluid model. Journal of Differential Equations, 2021, 299, 33-50.	2.2	3
3	Fast Non-mean-field Networks: Uniform in Time Averaging. SIAM Journal on Mathematical Analysis, 2021, 53, 937-972.	1.9	8
4	On the maximal L-L regularity of solutions to a general linear parabolic system. Journal of Differential Equations, 2020, 268, 3332-3369.	2.2	9
5	Pressureless Euler with nonlocal interactions as a singular limit of degenerate Navier-Stokes system. Journal of Mathematical Analysis and Applications, 2020, 492, 124400.	1.0	2
6	Large time behavior for a compressible two-fluid model with algebraic pressure closure and large initial data. Nonlinearity, 2020, 33, 4075-4094.	1.4	6
7	Modelling pattern formation through differential repulsion. Networks and Heterogeneous Media, 2020, 15, 307-352.	1.1	8
8	On the isothermal compressible multi-component mixture flow: The local existence and maximal $L^p \hat{=} L^q$ regularity of solutions. Nonlinear Analysis: Theory, Methods & Applications, 2019, 189, 111571.	1.1	11
9	Finite-Energy Solutions for Compressible Two-Fluid Stokes System. Archive for Rational Mechanics and Analysis, 2019, 232, 987-1029.	2.4	30
10	On Strong Dynamics of Compressible Two-Component Mixture Flow. SIAM Journal on Mathematical Analysis, 2019, 51, 2793-2849.	1.9	14
11	On long-time asymptotics for viscous hydrodynamic models of collective behavior with damping and nonlocal interactions. Mathematical Models and Methods in Applied Sciences, 2019, 29, 31-63.	3.3	7
12	Singular Cucker-Smale Dynamics. Modeling and Simulation in Science, Engineering and Technology, 2019, , 201-243.	0.6	14
13	Transport of congestion in two-phase compressible/incompressible flows. Nonlinear Analysis: Real World Applications, 2018, 42, 485-510.	1.7	7
14	Existence of Stationary Weak Solutions for Compressible Heat Conducting Flows. , 2018, , 2595-2662.		7
15	Particle Interactions Mediated by Dynamical Networks: Assessment of Macroscopic Descriptions. Journal of Nonlinear Science, 2018, 28, 235-268.	2.1	12
16	Finite volume approximations of the Euler system with variable congestion. Computers and Fluids, 2018, 169, 23-39.	2.5	11
17	Incompressible limit of the Navier-Stokes model with a growth term. Nonlinear Analysis: Theory, Methods & Applications, 2017, 163, 34-59.	1.1	14
18	Kinetic Theory of Particle Interactions Mediated by Dynamical Networks. Multiscale Modeling and Simulation, 2017, 15, 1294-1323.	1.6	16

#	ARTICLE	IF	CITATIONS
19	On the pressureless damped Euler–Poisson equations with quadratic confinement: Critical thresholds and large-time behavior. <i>Mathematical Models and Methods in Applied Sciences</i> , 2016, 26, 2311-2340.	3.3	33
20	Existence of weak solutions for compressible Navier–Stokes equations with entropy transport. <i>Journal of Differential Equations</i> , 2016, 261, 4448-4485.	2.2	30
21	On singular limits arising in the scale analysis of stratified fluid flows. <i>Mathematical Models and Methods in Applied Sciences</i> , 2016, 26, 419-443.	3.3	22
22	Existence of Stationary Weak Solutions for the Heat Conducting Flows. , 2016, , 1-68.		1
23	Heat-Conducting, Compressible Mixtures with Multicomponent Diffusion: Construction of a Weak Solution. <i>SIAM Journal on Mathematical Analysis</i> , 2015, 47, 3747-3797.	1.9	33
24	On the steady flow of reactive gaseous mixture. <i>Analysis (Germany)</i> , 2015, 35, .	0.4	14
25	Two-velocity hydrodynamics in fluid mechanics: Part I Well posedness for zero Mach number systems. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2015, 104, 762-800.	1.6	20
26	Two-velocity hydrodynamics in fluid mechanics: Part II Existence of global $\hat{\eta}$ -entropy solutions to the compressible Navier–Stokes systems with degenerate viscosities. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2015, 104, 801-836.	1.6	38
27	Free/Congested Two-Phase Model from Weak Solutions to Multi-Dimensional Compressible Navier-Stokes Equations. <i>Communications in Partial Differential Equations</i> , 2015, 40, 1558-1589.	2.2	29
28	Mixtures: Sequential Stability of Variational Entropy Solutions. <i>Journal of Mathematical Fluid Mechanics</i> , 2015, 17, 437-461.	1.0	12
29	On the large time behavior of the compressible gas–liquid drift-flux model with slip. <i>Mathematical Models and Methods in Applied Sciences</i> , 2015, 25, 2175-2215.	3.3	15
30	Multicomponent mixture model: the issue of existence via time discretization. <i>Communications in Mathematical Sciences</i> , 2015, 13, 1975-2003.	1.0	1
31	From the highly compressible Navier-Stokes equations to the porous medium equation – rate of convergence. <i>Discrete and Continuous Dynamical Systems</i> , 2015, 36, 3107-3123.	0.9	2
32	Singular limit of a Navier–Stokes system leading to a free/congested zones two-phase model. <i>Comptes Rendus Mathematique</i> , 2014, 352, 685-690.	0.3	17
33	Approximate solutions to a model of two-component reactive flow. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2014, 7, 1079-1099.	1.1	20
34	Chemically reacting mixtures in terms of degenerated parabolic setting. <i>Journal of Mathematical Physics</i> , 2013, 54, 071501.	1.1	16
35	On the flow of chemically reacting gaseous mixture. <i>Journal of Differential Equations</i> , 2012, 253, 3471-3500.	2.2	32
36	Analysis of semidiscretization of the compressible Navier–Stokes equations. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 386, 559-580.	1.0	3

#	ARTICLE	IF	CITATIONS
37	Analysis of nonlocal model of compressible fluid in 1-D. <i>Mathematical Methods in the Applied Sciences</i> , 2011, 34, 198-212.	2.3	0
38	On the steady flow of a multicomponent, compressible, chemically reacting gas. <i>Nonlinearity</i> , 2011, 24, 3267-3278.	1.4	18