

Juan Calvo

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

187
citing authors

#	ARTICLE	IF	CITATIONS
1	The initial-boundary value problem for the Lifshitz–Slyozov equation with non-smooth rates at the boundary. <i>Nonlinearity</i> , 2021, 34, 1975-2017.	1.4	4
2	Global weak solutions to the relativistic BGK equation. <i>Communications in Partial Differential Equations</i> , 2020, 45, 191-229.	2.2	5
3	Anisotropic tempered diffusion equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2020, 199, 111937.	1.1	0
4	Kinetic Model for Vehicular Traffic with Continuum Velocity and Mean Field Interactions. <i>Symmetry</i> , 2019, 11, 1093.	2.2	5
5	On Sonic Hedgehog morphogenic action and finite propagation speed models. <i>SeMA Journal</i> , 2018, 75, 173-195.	2.0	2
6	Long-Time Asymptotics for Polymerization Models. <i>Communications in Mathematical Physics</i> , 2018, 363, 111-137.	2.2	9
7	Coarse-graining and hybrid methods for efficient simulation of stochastic multi-scale models of tumour growth. <i>Journal of Computational Physics</i> , 2017, 350, 974-991.	3.8	11
8	Parabolic equations in time-dependent domains. <i>Journal of Evolution Equations</i> , 2017, 17, 781-804.	1.1	10
9	Qualitative behaviour for flux-saturated mechanisms: travelling waves, waiting time and smoothing effects. <i>Journal of the European Mathematical Society</i> , 2017, 19, 441-472.	1.4	15
10	Singular Traveling Waves and Non-linear Reaction-Diffusion Equations. <i>SEMA SIMAI Springer Series</i> , 2017, , 189-194.	0.7	1
11	Pattern formation in a flux limited reaction–diffusion equation of porous media type. <i>Inventiones Mathematicae</i> , 2016, 206, 57-108.	2.5	28
12	Some aspects on kinetic modeling of evacuation dynamics. <i>Physics of Life Reviews</i> , 2016, 18, 42-43.	2.8	2
13	Flux-saturated porous media equations and applications. <i>EMS Surveys in Mathematical Sciences</i> , 2015, 2, 131-218.	1.4	28
14	Analysis of a Class of Degenerate Parabolic Equations with Saturation Mechanisms. <i>SIAM Journal on Mathematical Analysis</i> , 2015, 47, 2917-2951.	1.9	11
15	Modeling Hedgehog Signaling Through Flux-Saturated Mechanisms. <i>Methods in Molecular Biology</i> , 2015, 1322, 19-33.	0.9	3
16	ON A DISPERSIVE MODEL FOR THE UNZIPPING OF DOUBLE-STRANDED DNA MOLECULES. <i>Mathematical Models and Methods in Applied Sciences</i> , 2014, 24, 495-511.	3.3	7
17	A Non-linear Flux-Limited Model for the Transport of Morphogens. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014, , 55-63.	0.2	0
18	Hyperbolic versus Parabolic Asymptotics in Kinetic Theory toward Fluid Dynamic Models. <i>SIAM Journal on Applied Mathematics</i> , 2013, 73, 1327-1346.	1.8	12

#	ARTICLE	IF	CITATIONS
19	Local-in-time regularity results for some flux-limited diffusion equations of porous media type. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2013, 93, 236-272.	1.1	8
20	On the hyperbolicity and causality of the relativistic Euler system under the kinetic equation of state. <i>Communications on Pure and Applied Analysis</i> , 2013, 12, 1341-1347.	0.8	4
21	On the Relativistic BGK-Boltzmann Model: Asymptotics and Hydrodynamics. <i>Journal of Statistical Physics</i> , 2012, 149, 284-316.	1.2	16
22	DARK MATTER, MAGNETIC FIELDS, AND THE ROTATION CURVE OF THE MILKY WAY. <i>Astrophysical Journal Letters</i> , 2012, 755, L23.	8.3	12
23	On a nonlinear flux-limited equation arising in the transport of morphogens. <i>Journal of Differential Equations</i> , 2012, 252, 5763-5813.	2.2	17
24	On Dispersion Rates for Solutions to the Vlasov-Poisson System. <i>Transport Theory and Statistical Physics</i> , 2011, 40, 312-330.	0.4	0
25	Large time asymptotics for a modified coagulation model. <i>Journal of Differential Equations</i> , 2011, 250, 2807-2837.	2.2	2
26	QUALITATIVE PROPERTIES OF THE SOLUTIONS OF A NONLINEAR FLUX-LIMITED EQUATION ARISING IN THE TRANSPORT OF MORPHOGENS. <i>Mathematical Models and Methods in Applied Sciences</i> , 2011, 21, 893-937.	3.3	32
27	Virial inequalities for steady states in relativistic galactic dynamics. <i>Nonlinearity</i> , 2010, 23, 1851-1871.	1.4	2
28	Dispersive behavior in galactic dynamics. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2010, 14, 1-16.	0.9	4
29	On a unified theory of cold dark matter halos based on collisionless Boltzmann-Poisson polytropes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 2321-2330.	2.6	9
30	An Empirical Illustration and Formalization of the Theory of Direct Learning: The Muscle-Based Perception of Kinetic Properties. <i>Ecological Psychology</i> , 2009, 21, 245-289.	1.1	33