Juanjo Nieto

List of Publications by Year
in descending order

31	768	759233	501196
papers	**citations**	12	28
		h-index	**g-index**

32	32	32	357
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	Modeling glioma invasion with anisotropy- and hypoxia-triggered motility enhancement: From subcellular dynamics to macroscopic PDEs with multiple taxis. Mathematical Models and Methods in Applied Sciences, 2021, 31, 177-222.	3.3	14
2	Numerical Simulation of a Multiscale Cell Motility Model Based on the Kinetic Theory of Active Particles. Symmetry, 2019, 11, 1003.	2.2	8
3	Kinetic Model for Vehicular Traffic with Continuum Velocity and Mean Field Interactions. Symmetry, 2019, 11, 1093.	2.2	5
4	About the mathematical modeling of the interaction between human behaviors and socio-economics. Physics of Life Reviews, 2017, 22-23, 48-49.	2.8	1
5	Some aspects on kinetic modeling of evacuation dynamics. Physics of Life Reviews, 2016, 18, 42-43.	2.8	2
6	The (kinetic) theory of active particles applied to learning dynamics. Physics of Life Reviews, 2016, 16, 152-153.	2.8	7
7	A multiscale model of cell mobility: From a kinetic to a hydrodynamic description. Journal of Mathematical Analysis and Applications, 2016, 433, 1055-1071.	1.0	7
8	About the kinetic description of fractional diffusion equations modeling chemotaxis. Mathematical Models and Methods in Applied Sciences, 2016, 26, 249-268.	3.3	17
9	The kinetic theory of active particles as a biological systems approach. Physics of Life Reviews, 2015, 12, 81-82.	2.8	4
10	Global existence and asymptotic stability near equilibrium for the relativistic BGK model. Nonlinear Analysis: Theory, Methods & Applications, 2015, 114, 87-104.	1.1	12
11	ON A DISPERSIVE MODEL FOR THE UNZIPPING OF DOUBLE-STRANDED DNA MOLECULES. Mathematical Models and Methods in Applied Sciences, 2014, 24, 495-511.	3.3	7
12	On the multiscale modeling of vehicular traffic: From kinetic to hydrodynamics. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 1869-1888.	0.9	52
13	Hyperbolic versus Parabolic Asymptotics in Kinetic Theory toward Fluid Dynamic Models. SIAM Journal on Applied Mathematics, 2013, 73, 1327-1346.	1.8	12
14	Modeling chemotaxis from L^2--closure moments in kinetic theory of active particles. Discrete and Continuous Dynamical Systems - Series B, 2013, 18, 847-863.	0.9	10
15	ON THE ASYMPTOTIC THEORY FROM MICROSCOPIC TO MACROSCOPIC GROWING TISSUE MODELS: AN OVERVIEW WITH PERSPECTIVES. Mathematical Models and Methods in Applied Sciences, 2012, 22, .	3.3	80
16	Wellposedness of a Nonlinear, Logarithmic Schrödinger Equation of Doebner–Goldin Type Modeling Quantum Dissipation. Journal of Nonlinear Science, 2012, 22, 631-663.	2.1	11
17	On the Relativistic BGK-Boltzmann Model: Asymptotics and Hydrodynamics. Journal of Statistical Physics, 2012, 149, 284-316.	1.2	16
18	Vanishing Viscosity Regimes and Nonstandard Shock Relations for Semiconductor Superlattices Models. SIAM Journal on Applied Mathematics, 2011, 71, 180-199.	1.8	2

#	Article	IF	Citations
19	Global solvability of the 3D logarithmic Schrödinger equation. Nonlinear Analysis: Real World Applications, 2010, 11, 79-87.	1.7	51
20	Complexity and mathematical tools toward the modelling of multicellular growing systems. Mathematical and Computer Modelling, 2010, 51, 441-451.	2.0	39
21	MULTISCALE BIOLOGICAL TISSUE MODELS AND FLUX-LIMITED CHEMOTAXIS FOR MULTICELLULAR GROWING SYSTEMS. Mathematical Models and Methods in Applied Sciences, 2010, 20, 1179-1207.	3.3	143
22	MULTICELLULAR BIOLOGICAL GROWING SYSTEMS: HYPERBOLIC LIMITS TOWARDS MACROSCOPIC DESCRIPTION. Mathematical Models and Methods in Applied Sciences, 2007, 17, 1675-1692.	3.3	89
23	Global solutions of the mean–field, very high temperature Caldeira–Leggett master equation. Quarterly of Applied Mathematics, 2006, 64, 189-199.	0.7	3
24	Multidimensional high-field limit of the electrostatic Vlasov–Poisson–Fokker–Planck system. Journal of Differential Equations, 2005, 213, 418-442.	2.2	50
25	Global L1 theory and regularity for the 3D nonlinear Wigner–Poisson–Fokker–Planck system. Journal of Differential Equations, 2004, 198, 356-373.	2.2	24
26	Hydrodynamical limit for a drift-diffusion system modeling large-population dynamics. Journal of Mathematical Analysis and Applications, 2004, 291, 716-726.	1.0	4
27	ABOUT UNIQUENESS OF WEAK SOLUTIONS TO FIRST ORDER QUASI-LINEAR EQUATIONS. Mathematical Models and Methods in Applied Sciences, 2002, 12, 1599-1615.	3.3	4
28	On a Variational Approach to the Time Evolution of the Mean Field Polaron. Mathematics in Industry, 2002, , 358-364.	0.3	0
29	High-Field Limit for the Vlasov-Poisson-Fokker-Planck System. Archive for Rational Mechanics and Analysis, 2001, 158, 29-59.	2.4	85
30	A GENERALIZED MEAN FIELD APPROACH TO THE POLARON. Mathematical Models and Methods in Applied Sciences, 2001, 11, 1597-1607.	3.3	1
31	On the time evolution of the mean-field polaron. Journal of Mathematical Physics, 2000, 41, 4293-4312.	1.1	8