

Pilar Guerrero

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5039787/publications.pdf>

Version: 2024-02-01

16
papers

321
citations

1040056

9
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoscopic and continuum modelling of angiogenesis. <i>Journal of Mathematical Biology</i> , 2015, 70, 485-532.	1.9	64
2	Intrinsic Noise Profoundly Alters the Dynamics and Steady State of Morphogen-Controlled Bistable Genetic Switches. <i>PLoS Computational Biology</i> , 2016, 12, e1005154.	3.2	60
3	Global solvability of the 3D logarithmic Schrödinger equation. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 79-87.	1.7	51
4	On the analysis of traveling waves to a nonlinear flux limited reaction-diffusion equation. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2013, 30, 141-155.	1.4	26
5	Hybrid approaches for multiple-species stochastic reaction-diffusion models. <i>Journal of Computational Physics</i> , 2015, 299, 429-445.	3.8	26
6	Neuronal differentiation influences progenitor arrangement in the vertebrate neuroepithelium. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	19
7	Minimum Action Path Theory Reveals the Details of Stochastic Transitions Out of Oscillatory States. <i>Physical Review Letters</i> , 2018, 120, 128102.	7.8	15
8	The effects of intrinsic noise on the behaviour of bistable cell regulatory systems under quasi-steady state conditions. <i>Journal of Chemical Physics</i> , 2015, 143, 074105.	3.0	13
9	Wellposedness of a Nonlinear, Logarithmic Schrödinger Equation of Doebner-Goldin Type Modeling Quantum Dissipation. <i>Journal of Nonlinear Science</i> , 2012, 22, 631-663.	2.1	11
10	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
11	From invasion to latency: intracellular noise and cell motility as key controls of the competition between resource-limited cellular populations. <i>Journal of Mathematical Biology</i> , 2016, 72, 123-156.	1.9	9
12	Stochastic Multiscale Models of Cell Population Dynamics: Asymptotic and Numerical Methods. <i>Mathematical Modelling of Natural Phenomena</i> , 2015, 10, 64-93.	2.4	7
13	Stochastic multi-scale models of competition within heterogeneous cellular populations: Simulation methods and mean-field analysis. <i>Journal of Theoretical Biology</i> , 2016, 407, 161-183.	1.7	6
14	A wavefunction description of quantum Fokker-Planck dissipation: derivation and numerical approximation of transient dynamics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 035303.	2.1	1
15	Deterministic and Stochastic Study for a Microscopic Angiogenesis Model: Applications to the Lewis Lung Carcinoma. <i>PLoS ONE</i> , 2016, 11, e0155553.	2.5	1
16	de la Cruz et al. Reply. <i>Physical Review Letters</i> , 2019, 122, 059802.	7.8	0