

Miguel Ángel LÃ³pez Marcos

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical approximation of finite life-span age-structured population models. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 3272-3283.	2.3	3
2	Computational Study on the Dynamics of a Consumer-Resource Model: The Influence of the Growth Law in the Resource. <i>Mathematics</i> , 2021, 9, 2746.	2.2	1
3	The Convergence Analysis of a Numerical Method for a Structured Consumer-Resource Model with Delay in the Resource Evolution Rate. <i>Mathematics</i> , 2020, 8, 1440.	2.2	0
4	The effects of time valuation in cancer optimal therapies: a study of chronic myeloid leukemia. <i>Theoretical Biology and Medical Modelling</i> , 2019, 16, 10.	2.1	2
5	Numerical analysis of a cell dwarfism model. <i>Journal of Computational and Applied Mathematics</i> , 2019, 349, 82-92.	2.0	1
6	A numerical study on the estimation of the stable size distribution for a cell population balance model. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 2894-2905.	2.3	1
7	Approximating the survival probability in finite life-span population models. <i>Journal of Computational and Applied Mathematics</i> , 2018, 330, 783-793.	2.0	6
8	A second-order numerical method for a cell population model with asymmetric division. <i>Journal of Computational and Applied Mathematics</i> , 2017, 309, 522-531.	2.0	3
9	Study on the efficiency in the numerical integration of size-structured population models: Error and computational cost. <i>Journal of Computational and Applied Mathematics</i> , 2016, 291, 391-401.	2.0	5
10	A Second-Order Method for the Numerical Integration of a Size-Structured Cell Population Model. <i>Abstract and Applied Analysis</i> , 2015, 2015, 1-8.	0.7	4
11	Numerical integration of a hierarchically size-structured population model with contest competition. <i>Journal of Computational and Applied Mathematics</i> , 2014, 258, 116-134.	2.0	7
12	Asymptotic behaviour of a mathematical model of hematopoietic stem cell dynamics. <i>International Journal of Computer Mathematics</i> , 2014, 91, 198-208.	1.8	3
13	Analysis of an efficient integrator for a size-structured population model with a dynamical resource. <i>Computers and Mathematics With Applications</i> , 2014, 68, 941-961.	2.7	7
14	Numerical Analysis of a Size-Structured Population Model with a Dynamical Resource. <i>Biomath</i> , 2014, 3, .	0.7	1
15	Numerical analysis of a population model of marine invertebrates with different life stages. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 2153-2163.	3.3	9
16	A semi-Lagrangian method for a cell population model in a dynamical environment. <i>Mathematical and Computer Modelling</i> , 2013, 57, 1860-1866.	2.0	9
17	Numerical approximation of singular asymptotic states for a size-structured population model with a dynamical resource. <i>Mathematical and Computer Modelling</i> , 2011, 54, 1693-1698.	2.0	13
18	Numerical investigation of the recruitment process in open marine population models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P01003.	2.3	8

#	ARTICLE	IF	CITATIONS
19	A numerical method for nonlinear age-structured population models with finite maximum age. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 361, 150-160.	1.0	31
20	Numerical analysis of an open marine population model with spaced-limited recruitment. <i>Mathematical and Computer Modelling</i> , 2010, 52, 1037-1044.	2.0	11
21	Numerical study on the proliferation cells fraction of a tumour cord model. <i>Mathematical and Computer Modelling</i> , 2010, 52, 992-998.	2.0	9
22	Long-Time Simulation of a Size-Structured Population Model with a Dynamical Resource. <i>Mathematical Modelling of Natural Phenomena</i> , 2010, 5, 1-21.	2.4	7
23	Numerical schemes for a size-structured cell population model with equal fission. <i>Mathematical and Computer Modelling</i> , 2009, 50, 653-664.	2.0	22
24	A Numerical Study of the Stability of Solitary Waves of the “Smith Family of Boussinesq Systems. <i>Journal of Nonlinear Science</i> , 2007, 17, 569-607.	2.1	27
25	A numerical integrator for a model with a discontinuous sink term: the dynamics of the sexual phase of monogonont rotifera. <i>Nonlinear Analysis: Real World Applications</i> , 2005, 6, 935-954.	1.7	10
26	A numerical simulation for the dynamics of the sexual phase of monogonont rotifera. <i>Comptes Rendus - Biologies</i> , 2004, 327, 293-303.	0.2	10
27	Conservative numerical methods for solitary wave interactions. <i>Journal of Physics A</i> , 2003, 36, 7761-7770.	1.6	32
28	Numerical behaviour of stable and unstable solitary waves. <i>Applied Numerical Mathematics</i> , 2002, 42, 95-116.	2.1	27
29	Are Gauss-Legendre methods useful in molecular dynamics?. <i>Journal of Computational and Applied Mathematics</i> , 1996, 67, 173-179.	2.0	11
30	A Finite Difference Scheme for the K(2, 2) Compacton Equation. <i>Journal of Computational Physics</i> , 1995, 120, 248-252.	3.8	37
31	Numerical analysis of pseudospectral methods for the Kuramoto-Sivashinsky equation. <i>IMA Journal of Numerical Analysis</i> , 1994, 14, 233-242.	2.9	13
32	A note on the computation of bifurcation diagrams of the Kuramoto-Sivashinsky equation by pseudospectral methods. <i>Applied Numerical Mathematics</i> , 1993, 13, 147-154.	2.1	3