Costica Morosanu

List of Publications by Year
in descending order

20	182	1040056 9	1125743 13
papers	citations	h-index	g-index

20	20	20	33
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Qualitative and quantitative analysis for a nonlocal and nonlinear reaction-diffusion problem with in-homogeneous Neumann boundary conditions. Discrete and Continuous Dynamical Systems - Series S, 2023, 16, 1-15.	1.1	4
2	A Qualitative Analysis of a Nonlinear Second-Order Anisotropic Diffusion Problem with Non-homogeneous Cauchyâ€“Stefanâ€“Boltzmann Boundary Conditions. Applied Mathematics and Optimization, 2021, 84, 227-244.	1.6	12
3	Rigorous Mathematical Investigation of a Nonlocal and Nonlinear Second-Order Anisotropic Reaction-Diffusion Model: Applications on Image Segmentation. Mathematics, 2021, 9, 91.	2.2	9
4	WELL-POSEDNESS AND NUMERICAL SIMULATIONS OF AN ANISOTROPIC REACTION-DIFFUSION MODEL IN CASE 2D. Journal of Applied Analysis and Computation, 2021, 11, 2258-2278.	0.5	6
5	A qualitative analysis and numerical simulations of a nonlinear second-order anisotropic diffusion problem with non-homogeneous Cauchyâ€“Neumann boundary conditions. Applied Mathematics and Computation, 2019, 350, 170-180.	2.2	13
6	Modeling of the continuous casting process of steel via phase-field transition system. Fractional steps method. AIMS Mathematics, 2019, 4, 648-662.	1.6	9
7	Advances in Variational and Partial Differential Equation-Based Models for Image Processing and Computer Vision. Mathematical Problems in Engineering, 2018, 2018, 1-2.	1.1	6
8	Stability and errors analysis of two iterative schemes of fractional steps type associated to a nonlinear reaction-diffusion equation. Discrete and Continuous Dynamical Systems - Series S, 2018, .	1.1	5
9	Image Restoration using a Nonlinear Second-order Parabolic PDE-based Scheme. Analele Stiintifice Ale Universitatii Ovidius Constanta, Seria Matematica, 2017, 25, 33-48.	0.3	14
10	Well-posedness for a phase-field transition system endowed with a polynomial nonlinearity and a general class of nonlinear dynamic boundary conditions. Journal of Fixed Point Theory and Applications, 2016, 18, 225-250.	1.1	10
11	On the existence, uniqueness and regularity of solutions to the phase-field transition system with non-homogeneous Cauchyâ€“Neumann and nonlinear dynamic boundary conditions. Applied Mathematical Modelling, 2016, 40, 192-207.	4.2	12
12	Analysis of an iterative scheme of fractional steps type associated to the nonlinear phase-field equation with non-homogeneous dynamic boundary conditions. Discrete and Continuous Dynamical Systems - Series S, 2016, 9, 537-556.	1.1	9
13	Analysis of an iterative scheme of fractional steps type associated to the reactionâ€“diffusion equation endowed with a general nonlinearity and Cauchyâ€“Neumann boundary conditions. Journal of Mathematical Analysis and Applications, 2015, 425, 1225-1239.	1.0	13
14	On the existence, uniqueness and regularity of solutions to the phase-field system with a general regular potential and a general class of nonlinear and non-homogeneous boundary conditions. Nonlinear Analysis: Theory, Methods & Applications, 2015, 113, 190-208.	1.1	13
15	Optimal strategies to diminish a pest population via bilinear controls. Applied Mathematics Letters, 2015, 40, 7-12.	2.7	1
16	The phase-field transition system with non-homogeneous Cauchyâ€“Stefanâ€“Boltzmann and homogeneous Neumann boundary conditions and non-constant thermal conductivity. Nonlinear Analysis: Theory, Methods & Applications, 2013, 87, 22-32.	1.1	1
17	A Product Formula Approach to a Nonhomogeneous Boundary Optimal Control Problem Governed byÂNonlinear Phase-field Transition System. Journal of Optimization Theory and Applications, 2011, 148, 14-30.	1.5	15
18	A Product Formula Approach to a Nonhomogeneous Boundary Optimal Control Problem Governed byÂNonlinear Phase-field Transition System. Journal of Optimization Theory and Applications, 2011, 148, 31-45.	1.5	5

#	Article	IF	Citations
19	A Generalized Phase-Field System. Journal of Mathematical Analysis and Applications, 1999, 237, 515-540.	1.0	16
20	Numerical approximation for the phase-field transition system. International Journal of Computer Mathematics, 1996, 62, 209-221.	1.8	9