JuliÃ¡n Velasco

List of Publications by Year
in descending order

16	91	1478505	1474206
papers	citations	6	9
		h-index	g-index

19	19	19	53
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Parabolic Cross-Diffusion System for Granular Materials. SIAM Journal on Mathematical Analysis, 2003, 35, 561-578.	1.9	23
2	Competing through altering the environment: A cross-diffusion population model coupled to transportâ€"Darcy flow equations. Nonlinear Analysis: Real World Applications, 2011, 12, 2826-2838.	1.7	14
3	On a Fast Bilateral Filtering Formulation Using Functional Rearrangements. Journal of Mathematical Imaging and Vision, 2015, 53, 346-363.	1.3	9
4	Neighborhood Filters and the Decreasing Rearrangement. Journal of Mathematical Imaging and Vision, 2015, 51, 279-295.	1.3	8
5	A dynamic boundary value problem arising in the ecology of mangroves. Nonlinear Analysis: Real World Applications, 2006, 7, 1129-1144.	1.7	6
6	On a cross-diffusion system arising in image denoising. Computers and Mathematics With Applications, 2018, 76, 984-996.	2.7	6
7	Well-Posedness of a Cross-Diffusion Population Model with Nonlocal Diffusion. SIAM Journal on Mathematical Analysis, 2019, 51, 2884-2902.	1.9	6
8	Existence and multiplicity of segregated solutions to a cell-growth contact inhibition problem. Discrete and Continuous Dynamical Systems, 2015, 35, 1479-1501.	0.9	4
9	Well-posedness of a nonlinear integro-differential problem and its rearranged formulation. Nonlinear Analysis: Real World Applications, 2016, 32, 74-90.	1.7	3
10	Existence of solutions and stability analysis for a Darcy flow with extraction. Nonlinear Analysis: Real World Applications, 2009, 10, 2007-2020.	1.7	2
11	Finite element approximation of a surfaceâ€"subsurface coupled problem arising in forest dynamics. Mathematics and Computers in Simulation, 2014, 102, 62-75.	4.4	2
12	Finite element approximation of a population spatial adaptation model. Mathematical Biosciences and Engineering, 2013, 10, 637-647.	1.9	2
13	Aligned PSO for Optimization of Image Processing Methods Applied to the Face Recognition Problem. Lecture Notes in Computer Science, 2013, , 642-651.	1.3	1
14	Knowledge extraction about atrial arrhythmias through networks of biologically inspired artificial cardiac cells. , 2018, , .		0
15	Ex-post correction of pacemaker mode switch episodes in undersensed atrial fibrillation. Computers in Biology and Medicine, 2021, 134, 104480.	7.0	0
16	Convergence of solutions of a rescaled evolution nonlocal cross-diffusion problem to its local diffusion counterpart. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2022, 116, 1.	1.2	0