FernÃ¡ndez FernÃ¡ndez Francisco Javier

List of Publications by Year
in descending order

20 papers	194 citations	1163117 8 h-index	1125743 13 g-index
22 all docs	22 docs citations	22 times ranked	202 citing authors

#	Article	IF	Citations
1	On first and second order linear Stieltjes differential equations. Journal of Mathematical Analysis and Applications, 2022, 511, 126010.	1.0	8
2	Source Identification of a Chemical Incident in an Urban Area. Axioms, 2021, 10, 177.	1.9	0
3	Mathematical analysis and numerical resolution of a heat transfer problem arising in water recirculation. Journal of Computational and Applied Mathematics, 2020, 366, 112402.	2.0	1
4	Numerical Solution of Stieltjes Differential Equations. Mathematics, 2020, 8, 1571.	2.2	5
5	Stieltjes Bochner spaces and applications to the study of parabolic equations. Journal of Mathematical Analysis and Applications, 2020, 488, 124079.	1.0	2
6	On existence and uniqueness of solution for a hydrodynamic problem related to water artificial circulation in a lake. Indagationes Mathematicae, 2020, 31, 235-250.	0.4	1
7	Urban Heat Island Effect in Metropolitan Areas: An Optimal Control Perspective. Lecture Notes in Computational Science and Engineering, 2019, , 829-837.	0.3	1
8	Water artificial circulation for eutrophication control. Mathematical Control and Related Fields, 2018, 8, 277-313.	1.1	5
9	A 3D optimal control problem related to the urban heat islands. Journal of Mathematical Analysis and Applications, 2017, 446, 1571-1605.	1.0	5
10	Optimal location of green zones in metropolitan areas to control the urban heat island. Journal of Computational and Applied Mathematics, 2015, 289, 412-425.	2.0	33
11	Optimal control of eutrophication processes in a moving domain. Journal of the Franklin Institute, 2014, 351, 4142-4182.	3.4	11
12	Kinetics studies during NaCl and KCl pork meat brining. Journal of Food Engineering, 2011, 106, 102-110.	5.2	43
13	Analysis of a time optimal control problem related to the management of a bioreactor. ESAIM - Control, Optimisation and Calculus of Variations, 2011, 17, 722-748.	1.3	1
14	Optimal control of a bioreactor. Applied Mathematics and Computation, 2010, 216, 2559-2575.	2.2	13
15	An Arbitrary Lagrangian Eulerian formulation for a 3D eutrophication model in a moving domain. Journal of Mathematical Analysis and Applications, 2010, 366, 319-334.	1.0	6
16	Optimal Management of a Bioreactor for Eutrophicated Water Treatment: AÂNumerical Approach. Journal of Scientific Computing, 2010, 43, 67-91.	2.3	9
17	Numerical Optimization of a Bioreactor for the Treatment of Eutrophicated Water. , 2010, , 77-85.		0
18	Mathematical analysis of a three-dimensional eutrophication model. Journal of Mathematical Analysis and Applications, 2009, 349, 135-155.	1.0	21

#	Article	IF	Citations
19	Analysis of a multistate control problem related to food technology. Journal of Differential Equations, 2008, 245, 130-153.	2.2	15
20	Concept and solution of digital twin based on a Stieltjes differential equation. Mathematical Methods in the Applied Sciences, 0, , .	2.3	13