

Francisco Rodriguez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2755698/publications.pdf>

Version: 2024-02-01

34
papers

2,746
citations

623734

14
h-index

434195

31
g-index

34
all docs

34
docs citations

34
times ranked

3364
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonstandard finite difference schemes for general linear delay differential systems. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 3985-3999.	2.3	6
2	Disentangling the independent effects of vegetation cover and pattern on runoff and sediment yield in dryland systems – Uncovering processes through mimicked plant patches. <i>Journal of Arid Environments</i> , 2021, 193, 104585.	2.4	11
3	Increased aridity drives post-fire recovery of Mediterranean forests towards open shrublands. <i>New Phytologist</i> , 2020, 225, 1500-1515.	7.3	44
4	Exact Solutions and Continuous Numerical Approximations of Coupled Systems of Diffusion Equations with Delay. <i>Symmetry</i> , 2020, 12, 1560.	2.2	3
5	Mean Square Convergent Non-Standard Numerical Schemes for Linear Random Differential Equations with Delay. <i>Mathematics</i> , 2020, 8, 1417.	2.2	3
6	Connectivity-Mediated Ecohydrological Feedbacks and Regime Shifts in Drylands. <i>Ecosystems</i> , 2019, 22, 1497-1511.	3.4	32
7	Impact of Homologous Recombination on the Evolution of Prokaryotic Core Genomes. <i>MBio</i> , 2019, 10, .	4.1	60
8	Using Hidden Markov Models for Land Surface Phenology: An Evaluation Across a Range of Land Cover Types in Southeast Spain. <i>Remote Sensing</i> , 2019, 11, 507.	4.0	9
9	Exact and Nonstandard Finite Difference Schemes for Coupled Linear Delay Differential Systems. <i>Mathematics</i> , 2019, 7, 1038.	2.2	12
10	A null model for assessing the cover-independent role of bare soil connectivity as indicator of dryland functioning and dynamics. <i>Ecological Indicators</i> , 2018, 94, 512-519.	6.3	26
11	Exact and nonstandard numerical schemes for linear delay differential models. <i>Applied Mathematics and Computation</i> , 2018, 338, 337-345.	2.2	10
12	Unconditional Stability of a Numerical Method for the Dual-Phase-Lag Equation. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-5.	1.1	2
13	Stability Switches and Hopf Bifurcations in a Second-Order Complex Delay Equation. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-4.	1.1	1
14	A compact difference scheme for numerical solutions of second order dual-phase-lagging models of microscale heat transfer. <i>Journal of Computational and Applied Mathematics</i> , 2016, 291, 432-440.	2.0	15
15	Using Multivariate Analysis and Bioinformatic Tools to Elucidate the Functions of a Cyanobacterial Global Regulator from RNA-Seq Data Obtained in Different Genetic and Environmental Backgrounds. <i>Lecture Notes in Computer Science</i> , 2015, , 345-354.	1.3	0
16	From community approaches to single-cell genomics: the discovery of ubiquitous hyperhalophilic <i>Bacteroidetes</i> generalists. <i>ISME Journal</i> , 2015, 9, 16-31.	9.8	51
17	Difference schemes for time-dependent heat conduction models with delay. <i>International Journal of Computer Mathematics</i> , 2014, 91, 53-61.	1.8	9
18	Determination of phenological parameters from MODIS derived NDVI data using hidden Markov models. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	PipX, the coactivator of NtcA, is a global regulator in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2423-30.	7.1	80
20	Detection and mapping of burnt areas from time series of MODIS-derived NDVI data in a Mediterranean region. Open Geosciences, 2014, 6, .	1.7	2
21	Feedbacks between vegetation pattern and resource loss dramatically decrease ecosystem resilience and restoration potential in a simple dryland model. Landscape Ecology, 2013, 28, 931-942.	4.2	50
22	Detection and analysis of burnt areas from MODIS derived NDVI time series data. , 2013, , .		1
23	Difference schemes for numerical solutions of lagging models of heat conduction. Mathematical and Computer Modelling, 2013, 57, 1625-1632.	2.0	14
24	Stability Switches in a First-Order Complex Neutral Delay Equation. Journal of Applied Mathematics, 2013, 2013, 1-6.	0.9	1
25	Exact and Analytic-Numerical Solutions of Lagging Models of Heat Transfer in a Semi-Infinite Medium. Abstract and Applied Analysis, 2013, 2013, 1-6.	0.7	6
26	Analysis of MODIS NDVI time series using quasi-periodic components. Proceedings of SPIE, 2013, , .	0.8	1
27	Exact solutions and numerical approximations of mixed problems for the wave equation with delay. Applied Mathematics and Computation, 2012, 219, 3178-3186.	2.2	10
28	Exact and analytic-numerical solutions of bidimensional lagging models of heat conduction. Mathematical and Computer Modelling, 2011, 54, 1841-1845.	2.0	16
29	Analytic-numerical solutions of diffusion mathematical models with delays. Computers and Mathematics With Applications, 2008, 56, 743-753.	2.7	24
30	SipA, a novel type of protein from Synechococcus sp. PCC 7942, binds to the kinase domain of NblS. FEMS Microbiology Letters, 2006, 254, 41-47.	1.8	17
31	Spatial associations and patterns of perennial vegetation in a semi-arid steppe: a multivariate geostatistics approach. Plant Ecology, 2005, 179, 133-147.	1.6	38
32	Analytic solution of mixed problems for the generalized diffusion equation with delay. Mathematical and Computer Modelling, 2004, 40, 361-369.	2.0	20
33	On the Size of the Exceptional Set in Nevanlinna's Second Fundamental Theorem for Certain Classes of Meromorphic Functions. Mathematische Nachrichten, 1996, 179, 247-257.	0.8	1
34	The general stochastic model of nucleotide substitution. Journal of Theoretical Biology, 1990, 142, 485-501.	1.7	2,170