Francisco Rodriguez

List of Publications by Year
in descending order

34	2,746	623734	434195
papers	citations	14 h-index	31 g-index

34	34	34	3364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The general stochastic model of nucleotide substitution. Journal of Theoretical Biology, 1990, 142, 485-501.	1.7	2,170
2	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
3	Impact of Homologous Recombination on the Evolution of Prokaryotic Core Genomes. MBio, 2019, 10, .	4.1	60
4	From community approaches to single-cell genomics: the discovery of ubiquitous hyperhalophilic Bacteroidetes generalists. ISME Journal, 2015, 9, 16-31.	9.8	51
5	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
6	Increased aridity drives postâ€fire recovery of Mediterranean forests towards open shrublands. New Phytologist, 2020, 225, 1500-1515.	7.3	44
7	Spatial associations and patterns of perennial vegetation ina semi-arid steppe: a multivariate geostatistics approach. Plant Ecology, 2005, 179, 133-147.	1.6	38
8	Connectivity-Mediated Ecohydrological Feedbacks and Regime Shifts in Drylands. Ecosystems, 2019, 22, 1497-1511.	3.4	32
9	A null model for assessing the cover-independent role of bare soil connectivity as indicator of dryland functioning and dynamics. Ecological Indicators, 2018, 94, 512-519.	6.3	26
10	Analytic-numerical solutions of diffusion mathematical models with delays. Computers and Mathematics With Applications, 2008, 56, 743-753.	2.7	24
11	Analytic solution of mixed problems for thegeneralized diffusion equation with delay. Mathematical and Computer Modelling, 2004, 40, 361-369.	2.0	20
12	SipA, a novel type of protein fromSynechococcussp. PCC 7942, binds to the kinase domain of NblS. FEMS Microbiology Letters, 2006, 254, 41-47.	1.8	17
13	Exact and analytic-numerical solutions of bidimensional lagging models of heat conduction. Mathematical and Computer Modelling, 2011, 54, 1841-1845.	2.0	16
14	A compact difference scheme for numerical solutions of second order dual-phase-lagging models of microscale heat transfer. Journal of Computational and Applied Mathematics, 2016, 291, 432-440.	2.0	15
15	Difference schemes for numerical solutions of lagging models of heat conduction. Mathematical and Computer Modelling, 2013, 57, 1625-1632.	2.0	14
16	Exact and Nonstandard Finite Difference Schemes for Coupled Linear Delay Differential Systems. Mathematics, 2019, 7, 1038.	2.2	12
17	Disentangling the independent effects of vegetation cover and pattern on runoff and sediment yield in dryland systems â€“ Uncovering processes through mimicked plant patches. Journal of Arid Environments, 2021, 193, 104585.	2.4	11
18	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

#	Article	IF	Citations
19	Exact and nonstandard numerical schemes for linear delay differential models. Applied Mathematics and Computation, 2018, 338, 337-345.	2.2	10
20	Difference schemes for time-dependent heat conduction models with delay. International Journal of Computer Mathematics, 2014, 91, 53-61.	1.8	9
21	Using Hidden Markov Models for Land Surface Phenology: An Evaluation Across a Range of Land Cover Types in Southeast Spain. Remote Sensing, 2019, 11, 507.	4.0	9
22	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
23	Nonstandard finite difference schemes for general linear delay differential systems. Mathematical Methods in the Applied Sciences, 2021, 44, 3985-3999.	2.3	6
24	Exact Solutions and Continuous Numerical Approximations of Coupled Systems of Diffusion Equations with Delay. Symmetry, 2020, 12, 1560.	2.2	3
25	Mean Square Convergent Non-Standard Numerical Schemes for Linear Random Differential Equations with Delay. Mathematics, 2020, 8, 1417.	2.2	3
26	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
27	Unconditional Stability of a Numerical Method for the Dual-Phase-Lag Equation. Mathematical Problems in Engineering, 2017, 2017, 1-5.	1.1	2
28	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
29	Detection and analysis of burnt areas from MODIS derived NDVI time series data. , 2013, , .		1
30	Stability Switches in a First-Order Complex Neutral Delay Equation. Journal of Applied Mathematics, 2013, 2013, 1-6.	0.9	1
31	Analysis of MODIS NDVI time series using quasi-periodic components. Proceedings of SPIE, 2013, , .	0.8	1
32	Determination of phenological parameters from MODIS derived NDVI data using hidden Markov models. , 2014, , .		1
33	Stability Switches and Hopf Bifurcations in a Second-Order Complex Delay Equation. Mathematical Problems in Engineering, 2017, 2017, 1-4.	1.1	1
34	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. Lecture Notes in Computer Science, 2015, , 345-354.	1.3	0