RamÃ³n GutiÃ©rrez SÃ¡nchez

List of Publications by Year
in descending order

57 papers	912 citations	643344
		15 h-index

57 papers

912 citations

643344
15
h-index

591227
27
g-index

58
all docs

58
docs citations

58
times ranked

1151
citing authors

#	Article	IF	Citations
1	The stochastic modified Lundqvist-Korf diffusion process: statistical and computational aspects and application to modeling of the $$\hbox {CO}_2$$ emission in Morocco. Stochastic Environmental Research and Risk Assessment, 2022, 36, 1163-1176.	1.9	7
2	A Stochastic Lomax Diffusion Process: Statistical Inference and Application. Mathematics, 2021, 9, 100.	1.1	2
3	Stochastic Square of the Brennan-Schwartz Diffusion Process: Statistical Computation and Application. Methodology and Computing in Applied Probability, 2020, 22, 455-476.	0.7	2
4	Hierarchical Clustering with Spatial Constraints and Standardized Incidence Ratio in Tuberculosis Data. Mathematics, 2020, 8, 1478.	1.1	1
5	Two-Parameter Stochastic Weibull Diffusion Model: Statistical Inference and Application to Real Modeling Example. Mathematics, 2020, 8, 160.	1.1	11
6	Powers of the Stochastic Gompertz and Lognormal Diffusion Processes, Statistical Inference and Simulation. Mathematics, 2020, 8, 588.	1.1	7
7	Penalized Latent Class Model for Clustering with Application to Variable Selection. Advances in Intelligent Systems and Computing, 2019, , 55-65.	0.5	0
8	Stochastic Brennan–Schwartz Diffusion Process: Statistical Computation and Application. Mathematics, 2019, 7, 1062.	1.1	5
9	The stochastic Weibull diffusion process: Computational aspects and simulation. Applied Mathematics and Computation, 2019, 348, 575-587.	1.4	11
10	Determinant Factors of Satisfaction with Public Services in Spain. Australian Journal of Public Administration, 2018, 77, 102-113.	1.0	11
11	Tetradentate polyamines as efficient metallodrugs for Chagas disease treatment in murine model. Journal of Chemotherapy, 2017, 29, 83-93.	0.7	5
12	Library of Seleno-Compounds as Novel Agents against Leishmania Species. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	27
13	Simple dialkyl pyrazole-3,5-dicarboxylates show *in vitro* and *in vivo* activity against disease-causing trypanosomatids. Parasitology, 2017, 144, 1133-1143.	0.7	13
14	*In vitro* antileishmanial activity and iron superoxide dismutase inhibition of arylamine Mannich base derivatives. Parasitology, 2017, 144, 1783-1790.	0.7	11
15	Effective anti-leishmanial activity of minimalist squaramide-based compounds. Experimental Parasitology, 2016, 170, 36-49.	0.5	11
16	Modelling and predicting electricity consumption in Spain using the stochastic Gamma diffusion process with exogenous factors. Energy, 2016, 113, 309-318.	4.5	17
17	*In vitro* leishmanicidal activity of pyrazole-containing polyamine macrocycles which inhibit the Fe-SOD enzyme of *Leishmania infantum* and *Leishmania braziliensis* species. Parasitology, 2014, 141, 1031-1043.	0.7	15
18	A bivariate stochastic Gamma diffusion model: statistical inference and application to the joint modelling of the gross domestic product and CO2 emissions in Spain. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1125-1134.	1.9	2

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19	Triazolopyrimidine compounds containing first-row transition metals and their activity against the neglected infectious Chagas disease and leishmaniasis. European Journal of Medicinal Chemistry, 2014, 85, 526-534.	2.6	54
20	Anti-Trypanosoma cruzi antibody detection in eastern Andalusia (Spain). Transactions of the Royal Society of Tropical Medicine and Hygiene, 2014, 108, 165-172.	0.7	7
21	A stochastic Gompertz model highlighting internal and external therapy function for tumour growth. Applied Mathematics and Computation, 2014, 246, 1-11.	1.4	15
22	Lanthanide complexes containing 5-methyl-1,2,4-triazolo[1,5- a] pyrimidin-7(4 H)-one and their therapeutic potential to fight leishmaniasis and Chagas disease. Journal of Inorganic Biochemistry, 2014, 138, 39-46.	1.5	28
23	Scorpiand-like azamacrocycles prevent the chronic establishment of Trypanosoma cruzi in a murine model. European Journal of Medicinal Chemistry, 2013, 70, 189-198.	2.6	23
24	In Vitro and In Vivo Studies of the Trypanocidal Activity of Four Terpenoid Derivatives against Trypanosoma cruzi. American Journal of Tropical Medicine and Hygiene, 2012, 87, 481-488.	0.6	18
25	A $\ddot{I}_{„}$-power stochastic gamma diffusion process: Computational statistical inference and simulation aspects. A real example. Applied Mathematics and Computation, 2012, 219, 1576-1588.	1.4	3
26	A stochastic Gompertz model with logarithmic therapy functions: Parameters estimation. Applied Mathematics and Computation, 2012, 219, 3729-3739.	1.4	13
27	Leishmanicidal Activity of Nine Novel Flavonoids from <i>Delphinium staphisagria</i>. Scientific World Journal, The, 2012, 2012, 1-10.	0.8	26
28	In vitro evaluation of new terpenoid derivatives against Leishmania infantum and Leishmania braziliensis. Memorias Do Instituto Oswaldo Cruz, 2012, 107, 370-376.	0.8	14
29	Detection, modelling and estimation of non-linear trends by using a non-homogeneous Vasicek stochastic diffusion. Application to CO_2 emissions in Morocco. Stochastic Environmental Research and Risk Assessment, 2012, 26, 533-543.	1.9	11
30	In vitro anti-leishmania evaluation of nickel complexes with a triazolopyrimidine derivative against Leishmania infantum and Leishmania braziliensis. Journal of Inorganic Biochemistry, 2012, 112, 1-9.	1.5	44
31	In Vitro and in Vivo Trypanocidal Activity of Flavonoids from <i>Delphinium staphisagria</i> against Chagas Disease. Journal of Natural Products, 2011, 74, 744-750.	1.5	63
32	Three parameter gamma-type growth curve, using a stochastic gamma diffusion model: Computational statistical aspects and simulation. Mathematics and Computers in Simulation, 2011, 82, 234-243.	2.4	3
33	The effect of nested grid sampling on the parameter estimation of a spatial Gompertz diffusion. Stochastic Environmental Research and Risk Assessment, 2010, 24, 539-546.	1.9	1
34	Modelling and forecasting vehicle stocks using the trends of stochastic Gompertz diffusion models: The case of Spain. Applied Stochastic Models in Business and Industry, 2009, 25, 385-405.	0.9	16
35	The trend of the total stock of the private car-petrol in Spain: Stochastic modelling using a new gamma diffusion process. Applied Energy, 2009, 86, 18-24.	5.1	18
36	Antileishmaniasis Activity of Flavonoids from <i>Consolida</i> <i>oliveriana</i>. Journal of Natural Products, 2009, 72, 1069-1074.	1.5	60

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37	Three-parameter stochastic lognormal diffusion model: statistical computation and simulating annealing â€" application to real case. Journal of Statistical Computation and Simulation, 2009, 79, 25-38.	0.7	4
38	Trend analysis using nonhomogeneous stochastic diffusion processes. Emission of CO2; Kyoto protocol in Spain. Stochastic Environmental Research and Risk Assessment, 2008, 22, 57-66.	1.9	27
39	Emissions of greenhouse gases attributable to the activities of the land transport: modelling and analysis using Iâ€CIR stochastic diffusionâ€"the case of Spain. Environmetrics, 2008, 19, 137-161.	0.6	8
40	A bivariate stochastic Gompertz diffusion model: statistical aspects and application to the joint modeling of the Gross Domestic Product and CO_2 emissions in Spain. Environmetrics, 2008, 19, 643-658.	0.6	14
41	Trend analysis and computational statistical estimation in a stochastic Rayleigh model: Simulation and application. Mathematics and Computers in Simulation, 2008, 77, 209-217.	2.4	11
42	Epidemiology of American trypanosomiasis in northern Peru. Annals of Tropical Medicine and Parasitology, 2007, 101, 643-648.	1.6	9
43	A diffusion model with cubic drift: statistical and computational aspects and application to modelling of the global CO2 emission in Spain. Environmetrics, 2007, 18, 55-69.	0.6	14
44	Approximate and generalized confidence bands for the mean and mode functions of the lognormal diffusion process. Computational Statistics and Data Analysis, 2007, 51, 4038-4053.	0.7	3
45	Identification of New WorldLeishmaniaspecies from Peru by biochemical techniques and multiplex PCR assay. FEMS Microbiology Letters, 2007, 267, 9-16.	0.7	11
46	Prediction and Conditional Simulation of a 2D Lognormal Diffusion Random Field. Methodology and Computing in Applied Probability, 2007, 9, 413-423.	0.7	3
47	Likelihood Ratio Tests and Applications in 2D Lognormal Diffusions. , 2007, , .		0
48	Efficient linear estimation problem in the bivariate Kotz distribution under dependence assumptions. Journal of Statistical Computation and Simulation, 2006, 76, 115-130.	0.7	1
49	The Stochastic Rayleigh diffusion model: Statistical inference and computational aspects. Applications to modelling of real cases. Applied Mathematics and Computation, 2006, 175, 628-644.	1.4	25
50	A new stochastic Gompertz diffusion process with threshold parameter: Computational aspects and applications. Applied Mathematics and Computation, 2006, 183, 738-747.	1.4	15
51	Electricity consumption in Morocco: Stochastic Gompertz diffusion analysis with exogenous factors. Applied Energy, 2006, 83, 1139-1151.	5.1	39
52	Identification and biochemical characterization of Leishmania strains isolated in Peru, Mexico, and Spain. Experimental Parasitology, 2006, 112, 44-51.	0.5	8
53	APPROXIMATING THE NONHOMOGENEOUS LOGNORMAL DIFFUSION PROCESS VIA POLYNOMIAL EXOGENOUS FACTORS. Cybernetics and Systems, 2006, 37, 293-309.	1.6	3
54	Forecasting total natural-gas consumption in Spain by using the stochastic Gompertz innovation diffusion model. Applied Energy, 2005, 80, 115-124.	5.1	111

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55	Estimation and prediction of a 2D lognormal diffusion random field. Stochastic Environmental Research and Risk Assessment, 2005, 19, 258-265.	1.9	6
56	INFERENCE IN GOMPERTZ-TYPE NONHOMOGENEOUS STOCHASTIC SYSTEMS BY MEANS OF DISCRETE SAMPLING. Cybernetics and Systems, 2005, 36, 203-216.	1.6	21
57	Biochemical characterization of new strains of Trypanosoma cruzi and T. rangeli isolates from Peru and Mexico. Parasitology Research, 2004, 94, 294-300.	0.6	4