Martn Lpez-Garca

List of Publications by Year in Descending Order

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44 papers	278 citations	10 h-index	14 g-index
49 ext. papers	363 ext. citations	4.1 avg, IF	4.03 L-index

#	Paper	IF	Citations
44	Modeling the factors that influence exposure to SARS-CoV-2 on a subway train carriage.. *Indoor Air*, **2022**, e12976	5.4	3
43	Effect of Relative Humidity on Transfer of Aerosol-Deposited Artificial and Human Saliva from Surfaces to Artificial Finger-Pads. *Viruses*, **2022**, 14, 1048	6.2	1
42	Analysis of Single Bacterium Dynamics in a Stochastic Model of Toxin-Producing Bacteria. *Lecture Notes in Computer Science*, **2021**, 210-225	0.9	
41	A Stochastic SVIR Model with Imperfect Vaccine and External Source of Infection. *Lecture Notes in Computer Science*, **2021**, 197-209	0.9	
40	Modeling fomite-mediated SARS-CoV-2 exposure through personal protective equipment doffing in a hospital environment. *Indoor Air*, **2021**,	5.4	4
39	Effects of patient room layout on viral accruement on healthcare professionals' hands. *Indoor Air*, **2021**, 31, 1657-1672	5.4	1
38	On time-discretized versions of the stochastic SIS epidemic model: a comparative analysis. *Journal of Mathematical Biology*, **2021**, 82, 46	2	1
37	Competitive binding of STATs to receptor phospho-Tyr motifs accounts for altered cytokine responses. *ELife*, **2021**, 10,	8.9	4
36	Why is mock care not a good proxy for predicting hand contamination during patient care?. *Journal of Hospital Infection*, **2021**, 109, 44-51	6.9	3
35	A Stochastic Intracellular Model of Anthrax Infection With Spore Germination Heterogeneity. *Frontiers in Immunology*, **2021**, 12, 688257	8.4	0
34	On First-Passage Times and Sojourn Times in Finite QBD Processes and Their Applications in Epidemics. *Mathematics*, **2020**, 8, 1718	2.3	2
33	Bacterial transfer to fingertips during sequential surface contacts with and without gloves. *Indoor Air*, **2020**, 30, 993-1004	5.4	14
32	Stochastic dynamics of Francisella tularensis infection and replication. *PLoS Computational Biology*, **2020**, 16, e1007752	5	2
31	COVID-19 and use of non-traditional masks: how do various materials compare in reducing the risk of infection for mask wearers?. *Journal of Hospital Infection*, **2020**, 105, 640-642	6.9	26
30	On Exact and Approximate Approaches for Stochastic Receptor-Ligand Competition Dynamics An Ecological Perspective. *Mathematics*, **2020**, 8, 1014	2.3	
29	Quantification of Ebola virus replication kinetics in vitro. *PLoS Computational Biology*, **2020**, 16, e1008375	5	2
28	Evaluating a transfer gradient assumption in a fomite-mediated microbial transmission model using an experimental and Bayesian approach. *Journal of the Royal Society Interface*, **2020**, 17, 20200121	4.1	14

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27	Stochastic dynamics of Francisella tularensis infection and replication **2020**, 16, e1007752		
26	Stochastic dynamics of Francisella tularensis infection and replication **2020**, 16, e1007752		
25	Stochastic dynamics of Francisella tularensis infection and replication **2020**, 16, e1007752		
24	Stochastic dynamics of Francisella tularensis infection and replication **2020**, 16, e1007752		
23	Fate of a Naive T Cell: A Stochastic Journey. *Frontiers in Immunology*, **2019**, 10, 194	8.4	6
22	A Multicompartment SIS Stochastic Model with Zonal Ventilation for the Spread of Nosocomial Infections: Detection, Outbreak Management, and Infection Control. *Risk Analysis*, **2019**, 39, 1825-1842	3.9	10
21	Exact analysis of summary statistics for continuous-time discrete-state Markov processes on networks using graph-automorphism lumping. *Applied Network Science*, **2019**, 4,	2.9	8
20	Perturbation analysis in finite LD-QBD processes and applications to epidemic models. *Numerical Linear Algebra With Applications*, **2018**, 25, e2160	1.6	12
19	A unified stochastic modelling framework for the spread of nosocomial infections. *Journal of the Royal Society Interface*, **2018**, 15,	4.1	11
18	Role of genetic heterogeneity in determining the epidemiological severity of H1N1 influenza. *PLoS Computational Biology*, **2018**, 14, e1006069	5	10
17	A Within-Host Stochastic Model for Nematode Infection. *Mathematics*, **2018**, 6, 143	2.3	
16	Quantifying the phosphorylation timescales of receptor-ligand complexes: a Markovian matrix-analytic approach. *Open Biology*, **2018**, 8,	7	6
15	A Novel Stochastic Multi-Scale Model of Infection to Predict Risk of Infection in a Laboratory. *Frontiers in Microbiology*, **2018**, 9, 1165	5.7	5
14	First passage events in biological systems with non-exponential inter-event times. *Scientific Reports*, **2018**, 8, 15054	4.9	7
13	Stochastic descriptors to study the fate and potential of naive T cell clonotypes in the periphery. *Journal of Mathematical Biology*, **2017**, 74, 673-708	2	7
12	IL-2 Stimulation of Regulatory T Cells: A Stochastic and Algorithmic Approach. *Contributions in Mathematical and Computational Sciences*, **2017**, 81-105		1
11	On SIR epidemic models with generally distributed infectious periods: Number of secondary cases and probability of infection. *International Journal of Biomathematics*, **2017**, 10, 1750024	1.8	8
10	Stochastic descriptors in an SIR epidemic model for heterogeneous individuals in small networks. *Mathematical Biosciences*, **2016**, 271, 42-61	3.9	24

9	A stochastic SIS epidemic model with heterogeneous contacts. *Physica A: Statistical Mechanics and Its Applications*, **2015**, 421, 78-97	3.3	29
8	Lifetime and reproduction of a marked individual in a two-species competition process. *Applied Mathematics and Computation*, **2015**, 264, 223-245	2.7	6
7	Control strategies for a stochastic model of host-parasite interaction in a seasonal environment. *Journal of Theoretical Biology*, **2014**, 354, 1-11	2.3	5
6	Maximum queue lengths during a fixed time interval in the M/M/c retrial queue. *Applied Mathematics and Computation*, **2014**, 235, 124-136	2.7	5
5	Modeling host-parasitoid interactions with correlated events. *Applied Mathematical Modelling*, **2013**, 37, 5452-5463	4.5	3
4	MAXIMUM POPULATION SIZES IN HOST-PARASITOID MODELS. *International Journal of Biomathematics*, **2013**, 06, 1350002	1.8	3
3	Extinction times and size of the surviving species in a two-species competition process. *Journal of Mathematical Biology*, **2012**, 64, 255-89	2	20
2	On the number of births and deaths during an extinction cycle, and the survival of a certain individual in a competition process. *Computers and Mathematics With Applications*, **2012**, 64, 236-259	2.7	9
1	Modelling the risk of SARS-CoV-2 infection through PPE doffing in a hospital environment		6