

Ramses Djidjou-Demasse

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26
papers

244
citations

10
h-index

15
g-index

29
ext. papers

342
ext. citations

3
avg, IF

3.55
L-index

#	Paper	IF	Citations
26	Understanding dynamics of Plasmodium falciparum gametocytes production: Insights from an age-structured model.. <i>Journal of Theoretical Biology</i> , 2022 , 539, 111056	2.3	0
25	An epi-evolutionary model for predicting the adaptation of spore-producing pathogens to quantitative resistance in heterogeneous environments.. <i>Evolutionary Applications</i> , 2022 , 15, 95-110	4.8	2
24	Human-vector malaria transmission model structured by age, time since infection and waning immunity. <i>Nonlinear Analysis: Real World Applications</i> , 2022 , 63, 103393	2.1	6
23	Non-Markovian modelling highlights the importance of age structure on Covid-19 epidemiological dynamics. <i>Mathematical Modelling of Natural Phenomena</i> , 2022 , 17, 7	3	1
22	Age-structured non-pharmaceutical interventions for optimal control of COVID-19 epidemic. <i>PLoS Computational Biology</i> , 2021 , 17, e1008776	5	15
21	Optimizing the early detection of low pathogenic avian influenza H7N9 virus in live bird markets. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210074	4.1	0
20	Memory is key in capturing COVID-19 epidemiological dynamics. <i>Epidemics</i> , 2021 , 35, 100459	5.1	15
19	Optimal intervention strategies of staged progression HIV infections through an age-structured model with probabilities of ART drop out. <i>Mathematical Modelling of Natural Phenomena</i> , 2021 , 16, 30	3	
18	Within-host bacterial growth dynamics with both mutation and horizontal gene transfer. <i>Journal of Mathematical Biology</i> , 2021 , 82, 16	2	
17	Slow convergence to equilibrium for an evolutionary epidemiology integro-differential system. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2020 , 25, 2223-2243	1.3	3
16	Development and analysis of a malaria transmission mathematical model with seasonal mosquito life-history traits. <i>Studies in Applied Mathematics</i> , 2020 , 144, 389-411	2.1	5
15	Asymptotic and transient behaviour for a nonlocal problem arising in population genetics. <i>European Journal of Applied Mathematics</i> , 2020 , 31, 84-110	1	3
14	A Dynamical and Zero-Inflated Negative Binomial Regression Modelling of Malaria Incidence in Limpopo Province, South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	16
13	Study of Lasidioidiplodia pseudotheobromae, Neofusicoccum parvum and Schizophyllum commune, three pathogenic fungi associated with the Grapevine Trunk Diseases in the North of Tunisia. <i>European Journal of Plant Pathology</i> , 2018 , 152, 127-142	2.1	6
12	Steady state concentration for a phenotypic structured problem modeling the evolutionary epidemiology of spore producing pathogens. <i>Mathematical Models and Methods in Applied Sciences</i> , 2017 , 27, 385-426	3.5	14
11	Mosaics often outperform pyramids: insights from a model comparing strategies for the deployment of plant resistance genes against viruses in agricultural landscapes. <i>New Phytologist</i> , 2017 , 216, 239-253	9.8	24
10	Optimal control for an age-structured model for the transmission of hepatitis B. <i>Journal of Mathematical Biology</i> , 2016 , 73, 305-33	2	13

9	Bifurcation Analysis and Optimal Harvesting of a Delayed Predator-Prey Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015 , 25, 1550012	2	2
8	Optimal control using state-dependent Riccati equation of lost of sight in a tuberculosis model. <i>Computational and Applied Mathematics</i> , 2013 , 32, 191-210		3
7	An Age-Structured Within-Host Model for Multistrain Malaria Infections. <i>SIAM Journal on Applied Mathematics</i> , 2013 , 73, 572-593	1.8	39
6	Predator-prey model with prey harvesting, Holling response function of type III and SIS disease. <i>Biomath</i> , 2012 , 1,	1.7	1
5	Optimal control of the lost to follow up in a tuberculosis model. <i>Computational and Mathematical Methods in Medicine</i> , 2011 , 2011, 398476	2.8	13
4	The importance of the population age-structure: insights from Covid-19 dynamics model structured by age, time since infection and acquired immunity		1
3	Optimal COVID-19 epidemic control until vaccine deployment		42
2	Epidemiological monitoring and control perspectives: application of a parsimonious modelling framework to the COVID-19 dynamics in France		15
1	Age-structured non-pharmaceutical interventions for optimal control of COVID-19 epidemic		4