Ramses Djidjou-Demasse

List of Publications by Year
in descending order

22	438	933410 10	888047 17
papers	citations	h-index	g-index

29	29	29	414
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Age-Structured Within-Host Model for Multistrain Malaria Infections. SIAM Journal on Applied Mathematics, 2013, 73, 572-593.	1.8	50
2	Mosaics often outperform pyramids: insights from a model comparing strategies for the deployment of plant resistance genes against viruses in agricultural landscapes. New Phytologist, 2017, 216, 239-253.	7.3	49
3	Memory is key in capturing COVID-19 epidemiological dynamics. Epidemics, 2021, 35, 100459.	3.0	43
4	Age-structured non-pharmaceutical interventions for optimal control of COVID-19 epidemic. PLoS Computational Biology, 2021, 17, e1008776.	3.2	38
5	A Dynamical and Zero-Inflated Negative Binomial Regression Modelling of Malaria Incidence in Limpopo Province, South Africa. International Journal of Environmental Research and Public Health, 2019, 16, 2000.	2.6	22
6	Steady state concentration for a phenotypic structured problem modeling the evolutionary epidemiology of spore producing pathogens. Mathematical Models and Methods in Applied Sciences, 2017, 27, 385-426.	3.3	20
7	Optimal control for an age-structured model for the transmission of hepatitis B. Journal of Mathematical Biology, 2016, 73, 305-333.	1.9	17
8	Optimal Control of the Lost to Follow Up in a Tuberculosis Model. Computational and Mathematical Methods in Medicine, 2011, 2011, 1-12.	1.3	15
9	Human-vector malaria transmission model structured by age, time since infection and waning immunity. Nonlinear Analysis: Real World Applications, 2022, 63, 103393.	1.7	14
10	Study of Lasidiodiplodia pseudotheobromae, Neofusicoccum parvum and Schizophyllum commune, three pathogenic fungi associated with the Grapevine Trunk Diseases in the North of Tunisia. European Journal of Plant Pathology, 2018, 152, 127-142.	1.7	13
11	An epiâ€evolutionary model for predicting the adaptation of sporeâ€producing pathogens to quantitative resistance in heterogeneous environments. Evolutionary Applications, 2022, 15, 95-110.	3.1	9
12	Non-Markovian modelling highlights the importance of age structure on Covid-19 epidemiological dynamics. Mathematical Modelling of Natural Phenomena, 2022, 17, 7.	2.4	9
13	Development and analysis of a malaria transmission mathematical model with seasonal mosquito lifeâ€history traits. Studies in Applied Mathematics, 2020, 144, 389-411.	2.4	7
14	Asymptotic and transient behaviour for a nonlocal problem arising in population genetics. European Journal of Applied Mathematics, 2020, 31, 84-110.	2.9	6
15	Optimizing the early detection of low pathogenic avian influenza H7N9 virus in live bird markets. Journal of the Royal Society Interface, 2021, 18, 20210074.	3.4	5
16	Optimal control using state-dependent Riccati equation of lost of sight in a tuberculosis model. Computational and Applied Mathematics, 2013, 32, 191-210.	1.3	4
17	Within-host bacterial growth dynamics with both mutation and horizontal gene transfer. Journal of Mathematical Biology, 2021, 82, 16.	1.9	4
18	Slow convergence to equilibrium for an evolutionary epidemiology integro-differential system. Discrete and Continuous Dynamical Systems - Series B, 2020, 25, 2223-2243.	0.9	4

#	Article	IF	Citations
19	Bifurcation Analysis and Optimal Harvesting of a Delayed Predatorâ€“Prey Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550012.	1.7	3
20	Understanding dynamics of Plasmodium falciparum gametocytes production: Insights from an age-structured model. Journal of Theoretical Biology, 2022, 539, 111056.	1.7	2
21	Predator-prey model with prey harvesting, Holling response function of type III and SIS disease. Biomath, 2012, 1, .	0.7	1
22	Optimal intervention strategies of staged progression HIV infections through an age-structured model with probabilities of ART drop out. Mathematical Modelling of Natural Phenomena, 2021, 16, 30.	2.4	0