Ramses Djidjou-Demasse

List of Publications by Citations

| 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	Optimal COVID-19 epidemic control until vaccine deployment		42
25	An Age-Structured Within-Host Model for Multistrain Malaria Infections. *SIAM Journal on Applied Mathematics*, **2013**, 73, 572-593	1.8	39
24	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	9.8	24
23	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,	4.6	16
22	Epidemiological monitoring and control perspectives: application of a parsimonious modelling framework to the COVID-19 dynamics in France		15
21	Age-structured non-pharmaceutical interventions for optimal control of COVID-19 epidemic. *PLoS Computational Biology*, **2021**, 17, e1008776	5	15
20	Memory is key in capturing COVID-19 epidemiological dynamics. *Epidemics*, **2021**, 35, 100459	5.1	15
19	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	3.5	14
18	Optimal control for an age-structured model for the transmission of hepatitis B. *Journal of Mathematical Biology*, **2016**, 73, 305-33	2	13
17	Optimal control of the lost to follow up in a tuberculosis model. *Computational and Mathematical Methods in Medicine*, **2011**, 2011, 398476	2.8	13
16	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	2.1	6
15	Human-vector malaria transmission model structured by age, time since infection and waning immunity. *Nonlinear Analysis: Real World Applications*, **2022**, 63, 103393	2.1	6
14	Development and analysis of a malaria transmission mathematical model with seasonal mosquito life-history traits. *Studies in Applied Mathematics*, **2020**, 144, 389-411	2.1	5
13	Age-structured non-pharmaceutical interventions for optimal control of COVID-19 epidemic		4
12	Optimal control using state-dependent Riccati equation of lost of sight in a tuberculosis model. *Computational and Applied Mathematics*, **2013**, 32, 191-210		3
11	Slow convergence to equilibrium for an evolutionary epidemiology integro-differential system. *Discrete and Continuous Dynamical Systems - Series B*, **2020**, 25, 2223-2243	1.3	3
10	Asymptotic and transient behaviour for a nonlocal problem arising in population genetics. *European Journal of Applied Mathematics*, **2020**, 31, 84-110	1	3

LIST OF PUBLICATIONS

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9	Bifurcation Analysis and Optimal Harvesting of a Delayed Predator-Prey Model. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1550012	2	2
8	An epi-evolutionary model for predicting the adaptation of spore-producing pathogens to quantitative resistance in heterogeneous environments.. *Evolutionary Applications*, **2022**, 15, 95-110	4.8	2
7	Predator-prey model with prey harvesting, Holling response function of type III and SIS disease. *Biomath*, **2012**, 1,	1.7	1
6	The importance of the population age-structure: insights from Covid-19 dynamics model structured by age, time since infection and acquired immunity		1
5	Non-Markovian modelling highlights the importance of age structure on Covid-19 epidemiological dynamics. *Mathematical Modelling of Natural Phenomena*, **2022**, 17, 7	3	1
4	Understanding dynamics of Plasmodium falciparum gametocytes production: Insights from an age-structured model.. *Journal of Theoretical Biology*, **2022**, 539, 111056	2.3	0
3	Optimizing the early detection of low pathogenic avian influenza H7N9 virus in live bird markets. *Journal of the Royal Society Interface*, **2021**, 18, 20210074	4.1	0
2	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	3	
1	Within-host bacterial growth dynamics with both mutation and horizontal gene transfer. *Journal of Mathematical Biology*, **2021**, 82, 16	2	