

Martial L Ndeffo-Mbah

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.

61
papers

1,890
citations

23
h-index

42
g-index

62
ext. papers

2,290
ext. citations

8.1
avg, IF

4.99
L-index

#	Paper	IF	Citations
61	SARS-CoV-2 transmission and control in a hospital setting: an individual-based modelling study. <i>Royal Society Open Science</i> , 2021 , 8, 201895	3.3	7
60	Forecasting influenza-like illness trends in Cameroon using Google Search Data. <i>Scientific Reports</i> , 2021 , 11, 6713	4.9	5
59	Optimizing antiviral treatment for seasonal influenza in the USA: a mathematical modeling analysis. <i>BMC Medicine</i> , 2021 , 19, 54	11.4	1
58	Using test positivity and reported case rates to estimate state-level COVID-19 prevalence and seroprevalence in the United States. <i>PLoS Computational Biology</i> , 2021 , 17, e1009374	5	2
57	Assessing the impact of aggregating disease stage data in model predictions of human African trypanosomiasis transmission and control activities in Bandundu province (DRC). <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0007976	4.8	15
56	High Rate of Non-Human Feeding by Reduces Zika Virus Transmission in South Texas. <i>Viruses</i> , 2020 , 12,	6.2	14
55	State-level impact of social distancing and testing on COVID-19 in the United States 2020 ,		3
54	Application of Schistosomiasis Consortium for Operational Research and Evaluation Study Findings to Refine Predictive Modeling of and Control in Sub-Saharan Africa. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 103, 97-104	3.2	2
53	Using Test Positivity and Reported Case Rates to Estimate State-Level COVID-19 Prevalence and Seroprevalence in the United States 2020 ,		1
52	Spatio-temporal dynamics of measles outbreaks in Cameroon. <i>Annals of Epidemiology</i> , 2020 , 42, 64-72.e36.4	3.4	2
51	State-level needs for social distancing and contact tracing to contain COVID-19 in the United States. <i>Nature Human Behaviour</i> , 2020 , 4, 1080-1090	12.8	28
50	Global Risk and Elimination of Yellow Fever Epidemics. <i>Journal of Infectious Diseases</i> , 2020 , 221, 2026-2034		7
49	Emergence of antibiotic resistance in immunocompromised host populations: A case study of emerging antibiotic resistant tuberculosis in AIDS patients. <i>PLoS ONE</i> , 2019 , 14, e0212969	3.7	17
48	The exacerbation of Ebola outbreaks by conflict in the Democratic Republic of the Congo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24366-24372	11.5	29
47	The impact of vector migration on the effectiveness of strategies to control gambiense human African trypanosomiasis. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007903	4.8	6
46	Dynamic Models of Infectious Disease Transmission in Prisons and the General Population. <i>Epidemiologic Reviews</i> , 2018 , 40, 40-57	4.1	31
45	Evaluating Vaccination Strategies for Zika Virus in the Americas. <i>Annals of Internal Medicine</i> , 2018 , 168, 621-630	8	11

44	The human-snail transmission environment shapes long term schistosomiasis control outcomes: Implications for improving the accuracy of predictive modeling. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006514	4.8	17
43	Are the London Declaration's 2020 goals sufficient to control Chagas disease?: Modeling scenarios for the Yucatan Peninsula. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006337	4.8	6
42	The economic value of identifying and treating Chagas disease patients earlier and the impact on <i>Trypanosoma cruzi</i> transmission. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006809	4.8	17
41	Policy Lessons From Quantitative Modeling of Leprosy. <i>Clinical Infectious Diseases</i> , 2018 , 66, S281-S285	11.6	9
40	Assessing Strategies Against Gambiense Sleeping Sickness Through Mathematical Modeling. <i>Clinical Infectious Diseases</i> , 2018 , 66, S286-S292	11.6	30
39	Global elimination of lymphatic filariasis. <i>Lancet Infectious Diseases</i> , 2017 , 17, 358-359	25.5	11
38	Comparison and validation of two computational models of Chagas disease: A thirty year perspective from Venezuela. <i>Epidemics</i> , 2017 , 18, 81-91	5.1	10
37	Forecasting the new case detection rate of leprosy in four states of Brazil: A comparison of modelling approaches. <i>Epidemics</i> , 2017 , 18, 92-100	5.1	12
36	Data-driven models to predict the elimination of sleeping sickness in former Equateur province of DRC. <i>Epidemics</i> , 2017 , 18, 101-112	5.1	27
35	Quantitative assessment of the impact of partially protective anti-schistosomiasis vaccines. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005544	4.8	24
34	Global burden of HIV, viral hepatitis, and tuberculosis in prisoners and detainees. <i>Lancet</i> , 2016 , 388, 1089-1102	40	343
33	Mitigating Prenatal Zika Virus Infection in the Americas. <i>Annals of Internal Medicine</i> , 2016 , 165, 551-559	8	19
32	Effects of Response to 2014-2015 Ebola Outbreak on Deaths from Malaria, HIV/AIDS, and Tuberculosis, West Africa. <i>Emerging Infectious Diseases</i> , 2016 , 22, 433-41	10.2	171
31	Determinants of Human African Trypanosomiasis Elimination via Paratransgenesis. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004465	4.8	17
30	A Cost-Effectiveness Tool for Informing Policies on Zika Virus Control. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004743	4.8	47
29	Using Community-Level Prevalence of Loa loa Infection to Predict the Proportion of Highly-Infected Individuals: Statistical Modelling to Support Lymphatic Filariasis and Onchocerciasis Elimination Programs. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0005157	4.8	11
28	Evaluating the effectiveness of localized control strategies to curtail chikungunya. <i>Scientific Reports</i> , 2016 , 6, 23997	4.9	12
27	Philippine drug war and impending public health crisis. <i>Lancet</i> , 2016 , 388, 2870	40	6

26	Retrospective Analysis of the 2014-2015 Ebola Epidemic in Liberia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016 , 94, 833-9	3.2	9
25	National- and state-level impact and cost-effectiveness of nonavalent HPV vaccination in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5107-12	11.5	38
24	Comparing the impact of artemisinin-based combination therapies on malaria transmission in sub-Saharan Africa. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015 , 92, 555-60	3.2	10
23	Effect of Ebola progression on transmission and control in Liberia. <i>Annals of Internal Medicine</i> , 2015 , 162, 11-7	8	70
22	Epidemiological and viral genomic sequence analysis of the 2014 ebola outbreak reveals clustered transmission. <i>Clinical Infectious Diseases</i> , 2015 , 60, 1079-82	11.6	52
21	Effect of Ebola progression in Liberia. <i>Annals of Internal Medicine</i> , 2015 , 162, 734-5	8	
20	Evaluating long-term effectiveness of sleeping sickness control measures in Guinea. <i>Parasites and Vectors</i> , 2015 , 8, 550	4	29
19	Spatial and Temporal Clustering of Chikungunya Virus Transmission in Dominica. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003977	4.8	22
18	Harnessing case isolation and ring vaccination to control Ebola. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003794	4.8	27
17	Country- and age-specific optimal allocation of dengue vaccines. <i>Journal of Theoretical Biology</i> , 2014 , 342, 15-22	2.3	11
16	Strategies for containing Ebola in West Africa. <i>Science</i> , 2014 , 346, 991-5	33.3	201
15	Dynamics and control of Ebola virus transmission in Montserrado, Liberia: a mathematical modelling analysis. <i>Lancet Infectious Diseases</i> , 2014 , 14, 1189-95	25.5	137
14	Evaluating the potential impact of mass praziquantel administration for HIV prevention in Schistosoma haematobium high-risk communities. <i>Epidemics</i> , 2014 , 7, 22-7	5.1	16
13	Impact of Schistosoma mansoni on malaria transmission in Sub-Saharan Africa. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3234	4.8	17
12	Ebola vaccination: if not now, when?. <i>Annals of Internal Medicine</i> , 2014 , 161, 749-50	8	27
11	Optimal control of disease infestations on a lattice. <i>Mathematical Medicine and Biology</i> , 2014 , 31, 87-97	1.3	1
10	Cost-effectiveness of a community-based intervention for reducing the transmission of Schistosoma haematobium and HIV in Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7952-7	11.5	27
9	Potential cost-effectiveness of schistosomiasis treatment for reducing HIV transmission in Africa--the case of Zimbabwean women. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2346	4.8	27

8	HIV and Schistosoma haematobium prevalences correlate in sub-Saharan Africa. <i>Tropical Medicine and International Health</i> , 2013 , 18, 1174-1179	2.3	33
7	The impact of imitation on vaccination behavior in social contact networks. <i>PLoS Computational Biology</i> , 2012 , 8, e1002469	5	77
6	Resource allocation for epidemic control in metapopulations. <i>PLoS ONE</i> , 2011 , 6, e24577	3.7	39
5	Balancing detection and eradication for control of epidemics: sudden oak death in mixed-species stands. <i>PLoS ONE</i> , 2010 , 5, e12317	3.7	19
4	Optimization of control strategies for epidemics in heterogeneous populations with symmetric and asymmetric transmission. <i>Journal of Theoretical Biology</i> , 2010 , 262, 757-63	2.3	25
3	Algorithms and computations for foldedness of P-ideals in BCI-algebras. <i>Journal of Applied Logic</i> , 2008 , 6, 580-588		1
2	Nowcasting Influenza-like Illness Trends in Cameroon		2
1	Assessing the impact of data aggregation in model predictions of HAT transmission and control activities		2