

# R W Mbogo

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

330  
citations

1307594

7  
h-index

888059

17  
g-index

33  
all docs

33  
docs citations

33  
times ranked

323  
citing authors

#	ARTICLE	IF	CITATIONS
1	SEIR model for COVID-19 dynamics incorporating the environment and social distancing. BMC Research Notes, 2020, 13, 352.	1.4	175
2	A mathematical modelling study of HIV infection in two heterosexual age groups in Kenya. Infectious Disease Modelling, 2019, 4, 83-98.	1.9	20
3	Mathematical modelling of the impact of testing, treatment and control of HIV transmission in Kenya. Cogent Mathematics & Statistics, 2018, 5, 1475590.	0.9	15
4	A Stochastic Model for Malaria Transmission Dynamics. Journal of Applied Mathematics, 2018, 2018, 1-13.	0.9	14
5	HIV drug resistance: Insights from mathematical modelling. Applied Mathematical Modelling, 2019, 75, 141-161.	4.2	13
6	Modelling Optimal Control of In-Host HIV Dynamics Using Different Control Strategies. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-18.	1.3	11
7	Stochastic Model for In-Host HIV Dynamics with Therapeutic Intervention. , 2013, 2013, 1-11.		10
8	Mathematical model for the in-host malaria dynamics subject to malaria vaccines. Letters in Biomathematics, 2018, 5, 222-251.	0.1	9
9	Mathematical Model for Hepatocytic-Erythrocytic Dynamics of Malaria. International Journal of Mathematics and Mathematical Sciences, 2018, 2018, 1-18.	0.7	8
10	Mathematical Modelling of In-Vivo Dynamics of HIV Subject to the Influence of the CD8+ T-Cells. Applied Mathematics, 2017, 08, 1153-1179.	0.4	7
11	Mathematical analysis of sex-structured population model of HIV infection in Kenya. Letters in Biomathematics, 2018, 5, 174-194.	0.1	6
12	COVID-19 outbreak, social distancing and mass testing in Kenya-insights from a mathematical model. Afrika Matematika, 2021, 32, 757-772.	0.8	6
13	Modelling the Trend of HIV Transmission and Treatment in Kenya. International Journal of Applied and Computational Mathematics, 2018, 4, 1.	1.6	5
14	Multiple-Strain Malaria Infection and Its Impacts on Plasmodium falciparum Resistance to Antimalarial Therapy: A Mathematical Modelling Perspective. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-26.	1.3	5
15	Uncertainty and Sensitivity Analysis Applied to an In-Host Malaria Model with Multiple Vaccine Antigens. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	1.6	4
16	SARS-COV-2 outbreak and control in Kenya - Mathematical model analysis. Infectious Disease Modelling, 2021, 6, 370-380.	1.9	4
17	Stochastic Model for Langerhans Cells and HIV Dynamics In Vivo. ISRN Applied Mathematics, 2014, 2014, 1-10.	0.5	3
18	The In Vivo Dynamics of HIV Infection with the Influence of Cytotoxic T Lymphocyte Cells. International Scholarly Research Notices, 2017, 2017, 1-10.	0.9	3

#	ARTICLE	IF	CITATIONS
19	COVID-19 Pandemic Situation in Kenya: A Data Driven SEIR Model. Medical Research Archives, 2022, 10, .	0.2	3
20	Forecasting the spread of the COVID-19 pandemic in Kenya using SEIR and ARIMA models. Infectious Disease Modelling, 2022, 7, 179-188.	1.9	3
21	A mathematical model of HIV transmission between commercial sex workers and injection drug users. , 2022, 9, .		3
22	Performance Modeling of Web Servers. SSRN Electronic Journal, 0, , .	0.4	0
23	Managing Chronic Conditions through Hosted Medical Records in Kenya. SSRN Electronic Journal, 0, , .	0.4	0
24	Optimal control analysis of hepatocytic-erythrocytic dynamics of Plasmodium falciparum malaria. Infectious Disease Modelling, 2022, 7, 82-108.	1.9	0
25	A Human-Pathogen Model for COVID-19 Outbreak: Flattening Epidemic Curve in Kenya. Journal of Infectious Diseases and Epidemiology, 2020, 6, .	0.3	0