Salihu S Musa

List of Publications by Citations

48 papers	2,400 citations	13 h-index	48 g-index
65 ext. papers	3,099 ext. citations	4.2 avg, IF	5.78 L-index

#	Paper	IF	Citations
48	Preliminary estimation of the basic reproduction number of novel coronavirus (2019-nCoV) in China, from 2019 to 2020: A data-driven analysis in the early phase of the outbreak. *International Journal of Infectious Diseases*, **2020**, 92, 214-217	10.5	1027
47	A conceptual model for the coronavirus disease 2019 (COVID-19) outbreak in Wuhan, China with individual reaction and governmental action. *International Journal of Infectious Diseases*, **2020**, 93, 211-216	10.5	566
46	Estimating the Unreported Number of Novel Coronavirus (2019-nCoV) Cases in China in the First Half of January 2020: A Data-Driven Modelling Analysis of the Early Outbreak. *Journal of Clinical Medicine*, **2020**, 9,	5.1	273
45	Preliminary estimation of the basic reproduction number of novel coronavirus (2019-nCoV) in China, from 2019 to 2020: A data-driven analysis in the early phase of the outbreak		92
44	Mathematical modeling of COVID-19 epidemic with effect of awareness programs. *Infectious Disease Modelling*, **2021**, 6, 448-460	15.7	47
43	Estimation of exponential growth rate and basic reproduction number of the coronavirus disease 2019 (COVID-19) in Africa. *Infectious Diseases of Poverty*, **2020**, 9, 96	10.4	46
42	Imitation dynamics in the mitigation of the novel coronavirus disease (COVID-19) outbreak in Wuhan, China from 2019 to 2020. *Annals of Translational Medicine*, **2020**, 8, 448	3.2	45
41	Simple framework for real-time forecast in a data-limited situation: the Zika virus (ZIKV) outbreaks in Brazil from 2015 to 2016 as an example. *Parasites and Vectors*, **2019**, 12, 344	4	33
40	A mathematical model to study the 2014-2015 large-scale dengue epidemics in Kaohsiung and Tainan cities in Taiwan, China. *Mathematical Biosciences and Engineering*, **2019**, 16, 3841-3863	2.1	23
39	Mechanistic modelling of the large-scale Lassa fever epidemics in Nigeria from 2016 to 2019. *Journal of Theoretical Biology*, **2020**, 493, 110209	2.3	22
38	The basic reproduction number of novel coronavirus (2019-nCoV) estimation based on exponential growth in the early outbreak in China from 2019 to 2020: A reply to Dhungana. *International Journal of Infectious Diseases*, **2020**, 94, 148-150	10.5	20
37	Modelling the effective reproduction number of vector-borne diseases: the yellow fever outbreak in Luanda, Angola 2015-2016 as an example. *PeerJ*, **2020**, 8, e8601	3.1	18
36	Large-scale Lassa fever outbreaks in Nigeria: quantifying the association between disease reproduction number and local rainfall. *Epidemiology and Infection*, **2020**, 148, e4	4.3	16
35	Inferencing superspreading potential using zero-truncated negative binomial model: exemplification with COVID-19. *BMC Medical Research Methodology*, **2021**, 21, 30	4.7	12
34	Estimating the generation interval and inferring the latent period of COVID-19 from the contact tracing data. *Epidemics*, **2021**, 36, 100482	5.1	12
33	The unexpected dynamics of COVID-19 in Manaus, Brazil: Was herd immunity achieved?		11
32	Vertical Transmission of SARS-CoV-2: A Systematic Review of Systematic Reviews. *Viruses*, **2021**, 13,	6.2	11

31	New estimates of the Zika virus epidemic attack rate in Northeastern Brazil from 2015 to 2016: A modelling analysis based on Guillain-Barr Syndrome (GBS) surveillance data. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0007502	4.8	10
30	Reinfection or Reactivation of Severe Acute Respiratory Syndrome Coronavirus 2: A Systematic Review. *Frontiers in Public Health*, **2021**, 9, 663045	6	10
29	Using Proper Mean Generation Intervals in Modeling of COVID-19. *Frontiers in Public Health*, **2021**, 9, 691262	6	10
28	Estimation of COVID-19 under-ascertainment in Kano, Nigeria during the early phase of the epidemics. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 4547-4554	6.1	10
27	The long-term changing dynamics of dengue infectivity in Guangdong, China, from 2008-2018: a modelling analysis. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2020**, 114, 62-71	2	9
26	Modelling scholastic underachievement as a contagious disease. *Mathematical Methods in the Applied Sciences*, **2018**, 41, 8603-8612	2.3	8
25	Transmission dynamics of SARS-CoV-2: A modeling analysis with high-and-moderate risk populations. *Results in Physics*, **2021**, 26, 104290	3.7	7
24	Phase-shifting of the transmissibility of macrolide-sensitive and resistant Mycoplasma pneumoniae epidemics in Hong Kong, from 2015 to 2018. *International Journal of Infectious Diseases*, **2019**, 81, 251-253	10.5	6
23	Mathematical modeling and analysis of meningococcal meningitis transmission dynamics. *International Journal of Biomathematics*, **2020**, 13, 2050006	1.8	6
22	Fractional Modeling for Improving Scholastic Performance of Students with Optimal Control. *International Journal of Applied and Computational Mathematics*, **2022**, 8, 1	1.3	6
21	Associations between Public Awareness, Local Precipitation, and Cholera in Yemen in 2017. *American Journal of Tropical Medicine and Hygiene*, **2019**, 101, 521-524	3.2	5
20	The Heterogeneous Severity of COVID-19 in African Countries: A Modeling Approach.. *Bulletin of Mathematical Biology*, **2022**, 84, 32	2.1	4
19	Dynamical analysis of chikungunya and dengue co-infection model. *Discrete and Continuous Dynamical Systems - Series B*, **2020**, 25, 1907-1933	1.3	4
18	High Infection Fatality Rate Among Elderly and Risk Factors Associated With Infection Fatality Rate and Asymptomatic Infections of COVID-19 Cases in Hong Kong. *Frontiers in Medicine*, **2021**, 8, 678347	4.9	4
17	Modeling the 2014-2015 Ebola Virus Disease Outbreaks in Sierra Leone, Guinea, and Liberia with Effect of High- and Low-risk Susceptible Individuals. *Bulletin of Mathematical Biology*, **2020**, 82, 102	2.1	3
16	Antiprotozoal Effect of Snake Venoms and Their Fractions: A Systematic Review.. *Pathogens*, **2021**, 10,	4.5	3
15	The Long-Term Periodic Patterns of Global Rabies Epidemics Among Animals: A Modeling Analysis. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2020**, 30, 2050047	2	2
14	COVID-19 and Lassa fever in Nigeria: A deadly alliance?. *International Journal of Infectious Diseases*, **2022**,	10.5	2

13	Modelling the Measles Outbreak at Hong Kong International Airport in 2019: A Data-Driven Analysis on the Effects of Timely Reporting and Public Awareness. *Infection and Drug Resistance*, **2020**, 13, 1851-1861	4.2	2
12	Heterogeneous Severity of COVID-19 in African Countries: A Modeling Approach		2
11	Dynamics analysis of typhoid fever with public health education programs and final epidemic size relation. *Results in Applied Mathematics*, **2021**, 10, 100153	1.7	2
10	Mathematical analysis of Lassa fever epidemic with effects of environmental transmission. *Results in Physics*, **2022**, 35, 105335	3.7	2
9	Large-scale Lassa fever outbreaks in Nigeria: quantifying the association between disease reproduction number and local rainfall		1
8	Infection fatality rate and infection attack rate of COVID-19 in South American countries.. *Infectious Diseases of Poverty*, **2022**, 11, 40	10.4	1
7	The non-pharmaceutical interventions may affect the advantage in transmission of mutated variants during epidemics: A conceptual model for COVID-19.. *Journal of Theoretical Biology*, **2022**, 542, 111105	2.3	1
6	The co-circulating transmission dynamics of SARS-CoV-2 Alpha and Eta variants in Nigeria: A retrospective modeling study of COVID-19.. *Journal of Global Health*, **2021**, 11, 05028	4.3	1
5	Transmission dynamics of COVID-19 pandemic with combined effects of relapse, reinfection and environmental contribution: A modeling analysis. *Results in Physics*, **2022**, 105653	3.7	1
4	Mathematical modeling and analysis of schistosomiasis transmission dynamics. *International Journal of Modeling, Simulation, and Scientific Computing*, **2021**, 12, 2150021	0.8	0
3	Attach importance of the bootstrap test against Student's test in clinical epidemiology: a demonstrative comparison using COVID-19 as an example. *Epidemiology and Infection*, **2021**, 149, e107	4.3	0
2	Seroprevalence and infection attack rate of COVID-19 in Indian cities.. *Infectious Disease Modelling*, **2022**, 7, 25-32	15.7	0
1	Shrinkage in serial intervals across transmission generations of COVID-19. *Journal of Theoretical Biology*, **2021**, 529, 110861	2.3	