

Daozhou Gao

List of Publications by Citations

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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.

51
papers

2,972
citations

22
h-index

54
g-index

56
ext. papers

3,663
ext. citations

3.3
avg, IF

5.92
L-index

#	Paper	IF	Citations
51	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. <i>International Journal of Infectious Diseases</i> , 2020 , 92, 214-217	10.5	1027
50	A conceptual model for the coronavirus disease 2019 (COVID-19) outbreak in Wuhan, China with individual reaction and governmental action. <i>International Journal of Infectious Diseases</i> , 2020 , 93, 211-216	10.5	566
49	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. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	273
48	Prevention and Control of Zika as a Mosquito-Borne and Sexually Transmitted Disease: A Mathematical Modeling Analysis. <i>Scientific Reports</i> , 2016 , 6, 28070	4.9	193
47	An SIS patch model with variable transmission coefficients. <i>Mathematical Biosciences</i> , 2011 , 232, 110-5	3.9	63
46	A MULTI-PATCH MALARIA MODEL WITH LOGISTIC GROWTH POPULATIONS. <i>SIAM Journal on Applied Mathematics</i> , 2012 , 72, 819-841	1.8	58
45	Quantifying the association between domestic travel and the exportation of novel coronavirus (2019-nCoV) cases from Wuhan, China in 2020: a correlational analysis. <i>Journal of Travel Medicine</i> , 2020 , 27,	12.9	57
44	Modelling the large-scale yellow fever outbreak in Luanda, Angola, and the impact of vaccination. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006158	4.8	57
43	When does overuse of antibiotics become a tragedy of the commons?. <i>PLoS ONE</i> , 2012 , 7, e46505	3.7	47
42	Imitation dynamics in the mitigation of the novel coronavirus disease (COVID-19) outbreak in Wuhan, China from 2019 to 2020. <i>Annals of Translational Medicine</i> , 2020 , 8, 448	3.2	45
41	COVID-19 and gender-specific difference: Analysis of public surveillance data in Hong Kong and Shenzhen, China, from January 10 to February 15, 2020. <i>Infection Control and Hospital Epidemiology</i> , 2020 , 41, 750-751	2	42
40	Influence of human behavior on cholera dynamics. <i>Mathematical Biosciences</i> , 2015 , 267, 41-52	3.9	37
39	Estimating the Serial Interval of the Novel Coronavirus Disease (COVID-19): A Statistical Analysis Using the Public Data in Hong Kong From January 16 to February 15, 2020. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	34
38	Serial interval in determining the estimation of reproduction number of the novel coronavirus disease (COVID-19) during the early outbreak. <i>Journal of Travel Medicine</i> , 2020 , 27,	12.9	33
37	Towards a theory of ecotone resilience: coastal vegetation on a salinity gradient. <i>Theoretical Population Biology</i> , 2012 , 82, 29-37	1.2	29
36	Impact of Awareness Programs on Cholera Dynamics: Two Modeling Approaches. <i>Bulletin of Mathematical Biology</i> , 2017 , 79, 2109-2131	2.1	29
35	Estimating the serial interval of the novel coronavirus disease (COVID-19): A statistical analysis using the public data in Hong Kong from January 16 to February 15, 2020		29

34	A comparison study of Zika virus outbreaks in French Polynesia, Colombia and the State of Bahia in Brazil. <i>Scientific Reports</i> , 2017 , 7, 273	4.9	25
33	Comparing COVID-19 and the 1918-19 influenza pandemics in the United Kingdom. <i>International Journal of Infectious Diseases</i> , 2020 , 98, 67-70	10.5	25
32	Modeling the spatial spread of Rift Valley fever in Egypt. <i>Bulletin of Mathematical Biology</i> , 2013 , 75, 523-542	4.2	23
31	Mechanistic modelling of the large-scale Lassa fever epidemics in Nigeria from 2016 to 2019. <i>Journal of Theoretical Biology</i> , 2020 , 493, 110209	2.3	22
30	Coinfection Dynamics of Two Diseases in a Single Host Population. <i>Journal of Mathematical Analysis and Applications</i> , 2016 , 442, 171-188	1.1	22
29	Modeling the 2016-2017 Yemen cholera outbreak with the impact of limited medical resources. <i>Journal of Theoretical Biology</i> , 2018 , 451, 80-85	2.3	21
28	Modelling diapause in mosquito population growth. <i>Journal of Mathematical Biology</i> , 2019 , 78, 2259-2288	3.8	20
27	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. <i>International Journal of Infectious Diseases</i> , 2020 , 94, 148-150	10.5	20
26	Projections of Ebola outbreak size and duration with and without vaccine use in Equateur, Democratic Republic of Congo, as of May 27, 2018. <i>PLoS ONE</i> , 2019 , 14, e0213190	3.7	19
25	Travel Frequency and Infectious Diseases. <i>SIAM Journal on Applied Mathematics</i> , 2019 , 79, 1581-1606	1.8	17
24	A PERIODIC ROSS-MACDONALD MODEL IN A PATCHY ENVIRONMENT. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2014 , 19, 3133-3145	1.3	17
23	Habitat fragmentation promotes malaria persistence. <i>Journal of Mathematical Biology</i> , 2019 , 79, 2255-2280	3.8	13
22	Optimal seasonal timing of oral azithromycin for malaria. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014 , 91, 936-942	3.2	13
21	Assessing Measles Transmission in the United States Following a Large Outbreak in California. <i>PLOS Currents</i> , 2015 , 7,		12
20	Estimating the serial interval of the novel coronavirus disease (COVID-19): A statistical analysis using the public data in Hong Kong from January 16 to February 15, 2020		12
19	Antibiotic resistance as collateral damage: the tragedy of the commons in a two-disease setting. <i>Mathematical Biosciences</i> , 2015 , 263, 121-32	3.9	11
18	Fast diffusion inhibits disease outbreaks. <i>Proceedings of the American Mathematical Society</i> , 2019 , 148, 1709-1722	0.8	11
17	Modeling co-infection of Ixodes tick-borne pathogens. <i>Mathematical Biosciences and Engineering</i> , 2017 , 14, 1301-1316	2.1	8

16	Mass drug administration: the importance of synchrony. <i>Mathematical Medicine and Biology</i> , 2017 , 34, 241-260	1.3	7
15	How Does Dispersal Affect the Infection Size?. <i>SIAM Journal on Applied Mathematics</i> , 2020 , 80, 2144-2169.8		6
14	Mathematical Analysis of the Ross-Macdonald Model with Quarantine. <i>Bulletin of Mathematical Biology</i> , 2020 , 82, 47	2.1	5
13	Quantifying the improvement in confirmation efficiency of the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) during the early phase of the outbreak in Hong Kong in 2020. <i>International Journal of Infectious Diseases</i> , 2020 , 96, 284-287	10.5	4
12	Evaluating Subcriticality during the Ebola Epidemic in West Africa. <i>PLoS ONE</i> , 2015 , 10, e0140651	3.7	4
11	Patch Models of EVD Transmission Dynamics 2016 , 147-167		4
10	A competition-diffusion system with a refuge. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2007 , 8, 435-454	1.3	2
9	Effects of travel frequency on the persistence of mosquito-borne diseases. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2020 , 25, 4677-4701	1.3	2
8	A Zika Endemic Model for the Contribution of Multiple Transmission Routes. <i>Bulletin of Mathematical Biology</i> , 2021 , 83, 111	2.1	2
7	Modelling triatomine bug population and <i>Trypanosoma rangeli</i> transmission dynamics: Co-feeding, pathogenic effect and linkage with chagas disease. <i>Mathematical Biosciences</i> , 2020 , 324, 108326	3.9	1
6	Malaria Models with Spatial Effects. <i>Wiley Series in Probability and Statistics</i> , 2015 , 109-136	1.3	1
5	Impact of State-Dependent Dispersal on Disease Prevalence. <i>Journal of Nonlinear Science</i> , 2021 , 31, 73	2.8	1
4	Bifurcation and overexploitation in Rosenzweig-MacArthur model. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2022 ,	1.3	1
3	Effects of Asymptomatic Infections on the Spatial Spread of Infectious Diseases. <i>SIAM Journal on Applied Mathematics</i> , 2022 , 82, 899-923	1.8	0
2	Shrinkage in serial intervals across transmission generations of COVID-19. <i>Journal of Theoretical Biology</i> , 2021 , 529, 110861	2.3	
1	Modelling COVID-19 outbreak on the Diamond Princess ship using the public surveillance data. <i>Infectious Disease Modelling</i> , 2022 , 7, 189-195	15.7	