Shi Zhao, MPhil

List of Publications by Year in Descending Order

153 papers	3,843 citations	25 h-index	59 g-index
175 ext. papers	5,060 ext. citations	6.2 avg, IF	6.37 L-index

#	Paper	IF	Citations
153	COVID-19 and Lassa fever in Nigeria: A deadly alliance?. *International Journal of Infectious Diseases*, **2022**,	10.5	2
152	The Heterogeneous Severity of COVID-19 in African Countries: A Modeling Approach.. *Bulletin of Mathematical Biology*, **2022**, 84, 32	2.1	4
151	Quantifying the effect of government interventions and virus mutations on transmission advantage during COVID-19 pandemic.. *Journal of Infection and Public Health*, **2022**, 15, 338-342	7.4	0
150	Evaluation of Length of Stay, Care Volume, In-Hospital Mortality, and Emergency Readmission Rate Associated With Use of Diagnosis-Related Groups for Internal Resource Allocation in Public Hospitals in Hong Kong.. *JAMA Network Open*, **2022**, 5, e2145685	10.4	0
149	Changing Epidemiology of TB in Shandong, China Driven by Demographic Changes.. *Frontiers in Medicine*, **2022**, 9, 810382	4.9	
148	Differences in Sleep Patterns and Mental Health Problems During Different Periods of COVID-19 Outbreak Among Community-Dwelling Older Men in Hong Kong.. *International Journal of Public Health*, **2022**, 67, 1604363	4	1
147	Nomogram for Prediction of Diabetic Retinopathy Among Type 2 Diabetes Population in Xinjiang, China.. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, **2022**, 15, 1077-1089	3.4	1
146	Seroprevalence and infection attack rate of COVID-19 in Indian cities.. *Infectious Disease Modelling*, **2022**, 7, 25-32	15.7	0
145	Heterogeneous epidemic modelling within an enclosed space and corresponding Bayesian estimation.. *Infectious Disease Modelling*, **2022**, 7, 1-24	15.7	
144	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
143	Large-scale synchronized replacement of Alpha (B.1.1.7) variant by the Delta (B.1.617.2) variant of SARS-COV-2 in the COVID-19 pandemic.. *Mathematical Biosciences and Engineering*, **2022**, 19, 3591-3596	2.1	
142	Independent effect of weather, air pollutants, and seasonal influenza on risk of tuberculosis hospitalization: An analysis of 22-year hospital admission data.. *Science of the Total Environment*, **2022**, 837, 155711	10.2	0
141	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
140	Modelling COVID-19 outbreak on the Diamond Princess ship using the public surveillance data. *Infectious Disease Modelling*, **2022**, 7, 189-195	15.7	
139	Ratio of asymptomatic COVID-19 cases among ascertained SARS-CoV-2 infections in different regions and population groups in 2020: a systematic review and meta-analysis including 130 123 infections from 241 studies. *BMJ Open*, **2021**, 11, e049752	3	7
138	Association of weather, air pollutants, and seasonal influenza with chronic obstructive pulmonary disease hospitalization risks. *Environmental Pollution*, **2021**, 293, 118480	9.3	1
137	Differences in the case fatality risks associated with SARS-CoV-2 Delta and non-Delta variants in relation to vaccine coverage: An early ecological study in the United Kingdom. *Infection, Genetics and Evolution*, **2021**, 97, 105162	4.5	1

136	Forecast of the COVID-19 trend in India: A simple modelling approach. *Mathematical Biosciences and Engineering*, **2021**, 18, 9775-9786	2.1	7
135	Response to Comments on "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*, **2021**,	10.5	
134	Real-time quantification of the transmission advantage associated with a single mutation in pathogen genomes: a case study on the D614G substitution of SARS-CoV-2. *BMC Infectious Diseases* , **2021**, 21, 1039	4	0
133	Ozone therapy for the treatment of COVID-19 pneumonia: A scoping review. *International Immunopharmacology*, **2021**, 92, 107307	5.8	8
132	Estimating the time interval between transmission generations and the presymptomatic period by contact tracing surveillance data from 31 provinces in the mainland of China. *Fundamental Research* , **2021**, 1, 104-110		1
131	Modelling the association between COVID-19 transmissibility and D614G substitution in SARS-CoV-2 spike protein: using the surveillance data in California as an example. *Theoretical Biology and Medical Modelling*, **2021**, 18, 10	2.3	6
130	Change in eating habits and physical activities before and during the COVID-19 pandemic in Hong Kong: a cross-sectional study via random telephone survey. *Journal of the International Society of Sports Nutrition*, **2021**, 18, 33	4.5	7
129	Differential Influence of Age on the Relationship between Genetic Mismatch and A(H1N1)pdm09 Vaccine Effectiveness. *Viruses*, **2021**, 13,	6.2	2
128	Inferring the Association between the Risk of COVID-19 Case Fatality and N501Y Substitution in SARS-CoV-2. *Viruses*, **2021**, 13,	6.2	17
127	Estimating the Instantaneous Asymptomatic Proportion With a Simple Approach: Exemplified With the Publicly Available COVID-19 Surveillance Data in Hong Kong. *Frontiers in Public Health*, **2021**, 9, 604455	6	3
126	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
125	An early assessment of a case fatality risk associated with P.1 SARS-CoV-2 lineage in Brazil: an ecological study. *Journal of Travel Medicine*, **2021**, 28,	12.9	3
124	Increase in Diabetes Mortality Associated With COVID-19 Pandemic in the U.S. *Diabetes Care*, **2021**, 44, e146-e147	14.6	6
123	Reinfection or Reactivation of Severe Acute Respiratory Syndrome Coronavirus 2: A Systematic Review. *Frontiers in Public Health*, **2021**, 9, 663045	6	10
122	How Transportation Restriction Shapes the Relationship Between Ambient Nitrogen Dioxide and COVID-19 Transmissibility: An Exploratory Analysis. *Frontiers in Public Health*, **2021**, 9, 697491	6	
121	Using Proper Mean Generation Intervals in Modeling of COVID-19. *Frontiers in Public Health*, **2021**, 9, 691262	6	10
120	Could the ambient higher temperature decrease the transmissibility of COVID-19 in China?. *Environmental Research*, **2021**, 193, 110576	7.9	6
119	Ambient temperature and relative humidity as possible drivers of the hand, foot, and mouth disease epidemics in Zhejiang Province, China. *Atmospheric Environment*, **2021**, 244, 117984	5.3	2

118	Modelling the effects of the contaminated environments on tuberculosis in Jiangsu, China. *Journal of Theoretical Biology*, **2021**, 508, 110453	2.3	9
117	The changing patterns of COVID-19 transmissibility during the social unrest in the United States: A nationwide ecological study with a before-and-after comparison. *One Health*, **2021**, 12, 100201	7.6	6
116	Excess pneumonia and influenza death as herald wave of COVID-19 in England and Wales, United Kingdom. *Journal of Infection*, **2021**, 82, 282-327	18.9	1
115	Decreased Case Fatality Rate of COVID-19 in the Second Wave: A study in 53 countries or regions. *Transboundary and Emerging Diseases*, **2021**, 68, 213-215	4.2	75
114	Association between Guillain-Barr□syndrome and hepatitis E infection: A data-driven ecological study in Hong Kong. *Asian Pacific Journal of Tropical Medicine*, **2021**, 14, 47	2.1	
113	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
112	Effect of ambient air pollution on tuberculosis risks and mortality in Shandong, China: a multi-city modeling study of the short- and long-term effects of pollutants. *Environmental Science and Pollution Research*, **2021**, 28, 27757-27768	5.1	7
111	Superspreading and heterogeneity in transmission of SARS, MERS, and COVID-19: A systematic review. *Computational and Structural Biotechnology Journal*, **2021**, 19, 5039-5046	6.8	4
110	Quantifying the transmission advantage associated with N501Y substitution of SARS-CoV-2 in the UK: an early data-driven analysis. *Journal of Travel Medicine*, **2021**, 28,	12.9	51
109	Long-term exposure to fine particulate matter and dementia incidence: A cohort study in Hong Kong. *Environmental Pollution*, **2021**, 271, 116303	9.3	10
108	The shortage of hospital beds for COVID-19 and non-COVID-19 patients during the lockdown of Wuhan, China. *Annals of Translational Medicine*, **2021**, 9, 200	3.2	7
107	Limited role for meteorological factors on the variability in COVID-19 incidence: A retrospective study of 102 Chinese cities. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009056	4.8	2
106	In silico prediction of influenza vaccine effectiveness by sequence analysis. *Vaccine*, **2021**, 39, 1030-1034	4.1	4
105	Inferencing superspreading potential using zero-truncated negative binomial model: exemplification with COVID-19. *BMC Medical Research Methodology*, **2021**, 21, 30	4.7	12
104	Obesity and COVID-19 in Adult Patients With Diabetes. *Diabetes*, **2021**, 70, 1061-1069	0.9	7
103	Transmission dynamics of SARS-CoV-2: A modeling analysis with high-and-moderate risk populations. *Results in Physics*, **2021**, 26, 104290	3.7	7
102	Gastrointestinal cancers, ACE-2/TMPRSS2 expression´and susceptibility to COVID-19. *Cancer Cell International*, **2021**, 21, 431	6.4	5
101	Joint effect between bisphenol A and alcohol consumption on benign prostatic hyperplasia: A case-control study in Hong Kong Chinese males. *Prostate*, **2021**, 81, 1214-1224	4.2	0

100	Changes in renal failure mortality during the COVID-19 pandemic in the United States. *Journal of Nephrology*, **2021**, 34, 2167-2170	4.8	0
99	A Bayesian method for synthesizing multiple diagnostic outcomes of COVID-19 tests. *Royal Society Open Science*, **2021**, 8, 201867	3.3	2
98	Vertical Transmission of SARS-CoV-2: A Systematic Review of Systematic Reviews. *Viruses*, **2021**, 13,	6.2	11
97	Exploring the Interaction between E484K and N501Y Substitutions of SARS-CoV-2 in Shaping the Transmission Advantage of COVID-19 in Brazil: A Modeling Study. *American Journal of Tropical Medicine and Hygiene*, **2021**,	3.2	3
96	Estimating the generation interval and inferring the latent period of COVID-19 from the contact tracing data. *Epidemics*, **2021**, 36, 100482	5.1	12
95	Simultaneous Giant cavity pulmonary lesion and pneumothorax following COVID-19 pneumonia. *Radiology Case Reports*, **2021**, 16, 2534-2536	1	2
94	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
93	Shrinkage in serial intervals across transmission generations of COVID-19. *Journal of Theoretical Biology*, **2021**, 529, 110861	2.3	
92	The joint association of physical activity and fine particulate matter exposure with incident dementia in elderly Hong Kong residents. *Environment International*, **2021**, 156, 106645	12.9	3
91	Mathematical modeling of COVID-19 epidemic with effect of awareness programs. *Infectious Disease Modelling*, **2021**, 6, 448-460	15.7	47
90	A tentative assessment of the changes in transmissibility and fatality risk associated with Beta SARS-CoV-2 variants in South Africa: an ecological study.. *Pathogens and Global Health*, **2021**, 1-3	3.1	1
89	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
88	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
87	A simple approach to estimate the instantaneous case fatality ratio: Using the publicly available COVID-19 surveillance data in Canada as an example. *Infectious Disease Modelling*, **2020**, 5, 575-579	15.7	3
86	The time serial distribution and influencing factors of asymptomatic COVID-19 cases in Hong Kong. *One Health*, **2020**, 10, 100166	7.6	6
85	A patient affected by critical COVID-19 pneumonia, successfully treated with convalescent plasma. *Transfusion and Apheresis Science*, **2020**, 59, 102995	2.4	2
84	Preliminary estimation of the novel coronavirus disease (COVID-19) cases in Iran: A reply to Sharifi. *International Journal of Infectious Diseases*, **2020**, 95, 429-430	10.5	1
83	Monitoring disease transmissibility of 2019 novel coronavirus disease in Zhejiang, China. *International Journal of Infectious Diseases*, **2020**, 96, 128-130	10.5	15

82	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
81	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. *International Journal of Infectious Diseases*, **2020**, 96, 284-287	10.5	4
80	Estimating the serial interval of the novel coronavirus disease (COVID-19) based on the public surveillance data in Shenzhen, China, from 19 January to 22 February 2020. *Transboundary and Emerging Diseases*, **2020**, 67, 2818-2822	4.2	22
79	Quantifying the importance of the key sites on haemagglutinin in determining the selection advantage of influenza virus: Using A/H3N2 as an example. *Journal of Infection*, **2020**, 81, 452-482	18.9	7
78	Serial interval in determining the estimation of reproduction number of the novel coronavirus disease (COVID-19) during the early outbreak. *Journal of Travel Medicine*, **2020**, 27,	12.9	33
77	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
76	COVID-19 and gender-specific difference: Analysis of public surveillance data in Hong Kong and Shenzhen, China, from January 10 to February 15, 2020. *Infection Control and Hospital Epidemiology*, **2020**, 41, 750-751	2	42
75	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
74	Real-time estimation of the reproduction number of the novel coronavirus disease (COVID-19) in China in 2020 based on incidence data. *Annals of Translational Medicine*, **2020**, 8, 689	3.2	8
73	The ambient ozone and COVID-19 transmissibility in China: A data-driven ecological study of 154 cities. *Journal of Infection*, **2020**, 81, e9-e11	18.9	14
72	Individualised risk prediction model for new-onset, progression and regression of chronic kidney disease in a retrospective cohort of patients with type 2 diabetes under primary care in Hong Kong. *BMJ Open*, **2020**, 10, e035308	3	4
71	Comparing COVID-19 and the 1918-19 influenza pandemics in the United Kingdom. *International Journal of Infectious Diseases*, **2020**, 98, 67-70	10.5	25
70	A re-analysis in exploring the association between temperature and COVID-19 transmissibility: an ecological study with 154 Chinese cities. *European Respiratory Journal*, **2020**, 56,	13.6	32
69	Public awareness, news promptness and the measles outbreak in Hong Kong from March to April, 2019. *Infectious Diseases*, **2020**, 52, 284-290	3.1	3
68	Mathematical modeling and analysis of meningococcal meningitis transmission dynamics. *International Journal of Biomathematics*, **2020**, 13, 2050006	1.8	6
67	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
66	Quantifying the association between domestic travel and the exportation of novel coronavirus (2019-nCoV) cases from Wuhan, China in 2020: a correlational analysis. *Journal of Travel Medicine*, **2020**, 27,	12.9	57
65	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

64	Attach importance to the procedure of deriving reproduction numbers from compartmental models: Letter to the editor in response to R. *Epidemiology and Infection*, **2020**, 148, e62	4.3	2
63	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
62	Fine particulate matter and cause-specific mortality in the Hong Kong elder patients with chronic kidney disease. *Chemosphere*, **2020**, 247, 125913	8.4	12
61	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
60	The association between domestic train transportation and novel coronavirus (2019-nCoV) outbreak in China from 2019 to 2020: A data-driven correlational report. *Travel Medicine and Infectious Disease*, **2020**, 33, 101568	8.4	97
59	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
58	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
57	Preliminary estimates of the reproduction number of the coronavirus disease (COVID-19) outbreak in Republic of Korea and Italy by 5 March 2020. *International Journal of Infectious Diseases*, **2020**, 95, 308-310	10.5	54
56	Positive RT-PCR tests among discharged COVID-19 patients in Shenzhen, China. *Infection Control and Hospital Epidemiology*, **2020**, 41, 1110-1112	2	17
55	The insignificant structural break in the relationship between improved observed hand hygiene on methicillin-resistant bloodstream infection rates in Ireland: a data-driven re-analysis. *Epidemiology and Infection*, **2020**, 148, e297	4.3	
54	Epidemiological Parameters of COVID-19: Case Series Study. *Journal of Medical Internet Research*, **2020**, 22, e19994	7.6	22
53	Dynamical analysis of chikungunya and dengue co-infection model. *Discrete and Continuous Dynamical Systems - Series B*, **2020**, 25, 1907-1933	1.3	4
52	Estimating the time interval between transmission generations when negative values occur in the serial interval data: using COVID-19 as an example. *Mathematical Biosciences and Engineering*, **2020**, 17, 3512-3519	2.1	25
51	Transmissibility of coronavirus disease 2019 in Chinese cities with different dynamics of imported cases. *PeerJ*, **2020**, 8, e10350	3.1	4
50	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
49	Epidemiological parameters and models of coronavirus disease 2019. *Wuli Xuebao/Acta Physica Sinica*, **2020**, 69, 090202	0.6	2
48	Long-Term Exposure to Ambient Fine Particulate Matter and Mortality From Renal Failure: A Retrospective Cohort Study in Hong Kong, China. *American Journal of Epidemiology*, **2020**, 189, 602-612	3.8	14
47	Low dispersion in the infectiousness of COVID-19 cases implies difficulty in control. *BMC Public Health*, **2020**, 20, 1558	4.1	11

46	Initial COVID-19 Transmissibility and Three Gaseous Air Pollutants (NO, SO, and CO): A Nationwide Ecological Study in China. *Frontiers in Medicine*, **2020**, 7, 575839	4.9	4
45	Association of time to diagnosis with socioeconomic position and geographical accessibility to healthcare among symptomatic COVID-19 patients: A retrospective study in Hong Kong. *Health and Place*, **2020**, 66, 102465	4.6	7
44	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
43	To avoid the noncausal association between environmental factor and COVID-19 when using aggregated data: Simulation-based counterexamples for demonstration. *Science of the Total Environment*, **2020**, 748, 141590	10.2	8
42	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
41	Estimation of Local Novel Coronavirus (COVID-19) Cases in Wuhan, China from Off-Site Reported Cases and Population Flow Data from Different Sources. *Frontiers in Physics*, **2020**, 8,	3.9	2
40	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
39	Effects of particulate matter exposure on the transmissibility and case fatality rate of COVID-19: A Nationwide Ecological Study in China. *Journal of Travel Medicine*, **2020**, 27,	12.9	8
38	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. *Frontiers in Physics*, **2020**, 8,	3.9	34
37	Blood pressure control and adverse outcomes of COVID-19 infection in patients with concomitant hypertension in Wuhan, China. *Hypertension Research*, **2020**, 43, 1267-1276	4.7	55
36	A re-analysis to identify the structural breaks in COVID-19 transmissibility during the early phase of the outbreak in South Korea. *International Journal of Infectious Diseases*, **2020**, 100, 10-11	10.5	1
35	Predicting the dominant influenza A serotype by quantifying mutation activities. *International Journal of Infectious Diseases*, **2020**, 100, 255-257	10.5	4
34	Source-Specific Volatile Organic Compounds and Emergency Hospital Admissions for Cardiorespiratory Diseases. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	6
33	The relative transmissibility of asymptomatic COVID-19 infections among close contacts. *International Journal of Infectious Diseases*, **2020**, 94, 145-147	10.5	141
32	Preliminary estimation of the novel coronavirus disease (COVID-19) cases in Iran: A modelling analysis based on overseas cases and air travel data. *International Journal of Infectious Diseases*, **2020**, 94, 29-31	10.5	54
31	Epidemiology of an unexpected measles outbreak in Hong Kong, from March to April, 2019. *Travel Medicine and Infectious Disease*, **2019**, 30, 133-136	8.4	6
30	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
29	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

28	Breast cancer mortality in Chinese women: does migrant status play a role?. *Annals of Epidemiology*, **2019**, 40, 28-34.e2	6.4	1
27	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
26	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
25	Meningitis epidemics shift in sub-Saharan belt. *International Journal of Infectious Diseases*, **2018**, 68, 79-82	20.5	5
24	Modelling the large-scale yellow fever outbreak in Luanda, Angola, and the impact of vaccination. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006158	4.8	57
23	Strategic decision making about travel during disease outbreaks: a game theoretical approach. *Journal of the Royal Society Interface*, **2018**, 15,	4.1	17
22	Modelling the skip-and-resurgence of Japanese encephalitis epidemics in Hong Kong. *Journal of Theoretical Biology*, **2018**, 454, 1-10	2.3	20
21	Modeling the spread of Middle East respiratory syndrome coronavirus in Saudi Arabia. *Statistical Methods in Medical Research*, **2018**, 27, 1968-1978	2.3	46
20	A comparison study of Zika virus outbreaks in French Polynesia, Colombia and the State of Bahia in Brazil. *Scientific Reports*, **2017**, 7, 273	4.9	25
19	Modelling the transmission and control strategies of varicella among school children in Shenzhen, China. *PLoS ONE*, **2017**, 12, e0177514	3.7	8
18	Analysing increasing trends of Guillain-Barr Syndrome (GBS) and dengue cases in Hong Kong using meteorological data. *PLoS ONE*, **2017**, 12, e0187830	3.7	10
17	Monitoring Disease Transmissibility of 2019 Novel Coronavirus Disease in Zhejiang, China		1
16	Transmissibility of coronavirus disease 2019 (COVID-19) in Chinese cities with different transmission dynamics of imported cases		2
15	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		6
14	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		8
13	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
12	Decreased Case Fatality Rate of COVID-19 in the Second Wave: a study in 53 countries.		4
11	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

10	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
9	Modelling the coronavirus disease (COVID-19) outbreak on the Diamond Princess ship using the public surveillance data from January 20 to February 20, 2020	3
8	Estimation of local novel coronavirus (COVID-19) cases in Wuhan, China from off-site reported cases and population flow data from different sources	6
7	Preliminary estimating the reproduction number of the coronavirus disease (COVID-19) outbreak in Republic of Korea from 31 January to 1 March 2020	6
6	Preliminary estimation of the novel coronavirus disease (COVID-19) cases in Iran: a modelling analysis based on overseas cases and air travel data	4
5	Epidemiological parameters of coronavirus disease 2019: a pooled analysis of publicly reported individual data of 1155 cases from seven countries	54
4	Characterization of the evolutionary dynamics of influenza A H3N2 hemagglutinin	3
3	Large-scale Lassa fever outbreaks in Nigeria: quantifying the association between disease reproduction number and local rainfall	1
2	Heterogeneous Severity of COVID-19 in African Countries: A Modeling Approach	2
1	Genetic mismatch explains sizable variation of COVID-19 vaccine efficacy in clinical trials	1