

Daihai He

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179
papers

5,144
citations

33
h-index

68
g-index

208
ext. papers

6,556
ext. citations

4.8
avg. IF

6.46
L-index

#	Paper	IF	Citations
179	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
178	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
177	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
176	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
175	Plug-and-play inference for disease dynamics: measles in large and small populations as a case study. <i>Journal of the Royal Society Interface</i> , 2010 , 7, 271-83	4.1	170
174	The relative transmissibility of asymptomatic COVID-19 infections among close contacts. <i>International Journal of Infectious Diseases</i> , 2020 , 94, 145-147	10.5	141
173	Effects of school closure on incidence of pandemic influenza in Alberta, Canada. <i>Annals of Internal Medicine</i> , 2012 , 156, 173-81	8	138
172	Time series analysis via mechanistic models. <i>Annals of Applied Statistics</i> , 2009 , 3,	2.1	118
171	Early estimation of the case fatality rate of COVID-19 in mainland China: a data-driven analysis. <i>Annals of Translational Medicine</i> , 2020 , 8, 128	3.2	98
170	The association between domestic train transportation and novel coronavirus (2019-nCoV) outbreak in China from 2019 to 2020: A data-driven correlational report. <i>Travel Medicine and Infectious Disease</i> , 2020 , 33, 101568	8.4	97
169	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
168	Inferring the causes of the three waves of the 1918 influenza pandemic in England and Wales. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20131345	4.4	81
167	Pattern formation of spiral waves in an inhomogeneous medium with small-world connections. <i>Physical Review E</i> , 2002 , 65, 055204	2.4	81
166	Decreased Case Fatality Rate of COVID-19 in the Second Wave: A study in 53 countries or regions. <i>Transboundary and Emerging Diseases</i> , 2021 , 68, 213-215	4.2	75
165	Noise-induced synchronization in realistic models. <i>Physical Review E</i> , 2003 , 67, 027201	2.4	59
164	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
163	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

162	Blood pressure control and adverse outcomes of COVID-19 infection in patients with concomitant hypertension in Wuhan, China. <i>Hypertension Research</i> , 2020 , 43, 1267-1276	4.7	55
161	Preliminary estimates of the reproduction number of the coronavirus disease (COVID-19) outbreak in Republic of Korea and Italy by 5 March 2020. <i>International Journal of Infectious Diseases</i> , 2020 , 95, 308-310	10.5	54
160	Preliminary estimation of the novel coronavirus disease (COVID-19) cases in Iran: A modelling analysis based on overseas cases and air travel data. <i>International Journal of Infectious Diseases</i> , 2020 , 94, 29-31	10.5	54
159	Spatio-temporal synchronization of recurrent epidemics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 1519-26	4.4	49
158	Mathematical modeling of COVID-19 epidemic with effect of awareness programs. <i>Infectious Disease Modelling</i> , 2021 , 6, 448-460	15.7	47
157	Estimation of exponential growth rate and basic reproduction number of the coronavirus disease 2019 (COVID-19) in Africa. <i>Infectious Diseases of Poverty</i> , 2020 , 9, 96	10.4	46
156	Modeling the spread of Middle East respiratory syndrome coronavirus in Saudi Arabia. <i>Statistical Methods in Medical Research</i> , 2018 , 27, 1968-1978	2.3	46
155	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
154	Epidemiological effects of seasonal oscillations in birth rates. <i>Theoretical Population Biology</i> , 2007 , 72, 274-91	1.2	43
153	Global Spatio-temporal Patterns of Influenza in the Post-pandemic Era. <i>Scientific Reports</i> , 2015 , 5, 11013	4.9	42
152	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
151	Ambient ozone and influenza transmissibility in Hong Kong. <i>European Respiratory Journal</i> , 2018 , 51,	13.6	37
150	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
149	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
148	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. <i>Parasites and Vectors</i> , 2019 , 12, 344	4	33
147	Mechanistic modelling of the three waves of the 1918 influenza pandemic. <i>Theoretical Ecology</i> , 2011 , 4, 283-288	1.6	33
146	A re-analysis in exploring the association between temperature and COVID-19 transmissibility: an ecological study with 154 Chinese cities. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	32
145	Chaotic oscillations and cycles in multi-trophic ecological systems. <i>Journal of Theoretical Biology</i> , 2007 , 248, 382-90	2.3	32

144	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
143	Patterns of spread of influenza A in Canada. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20131174	4.4	26
142	The Disease Severity and Clinical Outcomes of the SARS-CoV-2 Variants of Concern.. <i>Frontiers in Public Health</i> , 2021 , 9, 775224	6	26
141	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
140	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
139	A mathematical model to study the 2014-2015 large-scale dengue epidemics in Kaohsiung and Tainan cities in Taiwan, China. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 3841-3863	2.1	23
138	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. <i>Transboundary and Emerging Diseases</i> , 2020 , 67, 2818-2822	4.2	22
137	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
136	Impact of the 2009 H1N1 Pandemic on Age-Specific Epidemic Curves of Other Respiratory Viruses: A Comparison of Pre-Pandemic, Pandemic and Post-Pandemic Periods in a Subtropical City. <i>PLoS ONE</i> , 2015 , 10, e0125447	3.7	22
135	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
134	Modelling diapause in mosquito population growth. <i>Journal of Mathematical Biology</i> , 2019 , 78, 2259-2288		20
133	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
132	Generalized splay state in coupled chaotic oscillators induced by weak mutual resonant interactions. <i>Physical Review Letters</i> , 2001 , 86, 1510-3	7.4	20
131	Modelling the skip-and-resurgence of Japanese encephalitis epidemics in Hong Kong. <i>Journal of Theoretical Biology</i> , 2018 , 454, 1-10	2.3	20
130	Effects of reactive social distancing on the 1918 influenza pandemic. <i>PLoS ONE</i> , 2017 , 12, e0180545	3.7	19
129	Age-specific epidemic waves of influenza and respiratory syncytial virus in a subtropical city. <i>Scientific Reports</i> , 2015 , 5, 10390	4.9	18
128	Periodic states with functional phase relation in weakly coupled chaotic HindmarshRose neurons. <i>Physica D: Nonlinear Phenomena</i> , 2001 , 156, 314-324	3.3	18
127	Modelling the effective reproduction number of vector-borne diseases: the yellow fever outbreak in Luanda, Angola 2015-2016 as an example. <i>PeerJ</i> , 2020 , 8, e8601	3.1	18

126	Positive RT-PCR tests among discharged COVID-19 patients in Shenzhen, China. <i>Infection Control and Hospital Epidemiology</i> , 2020 , 41, 1110-1112	2	17
125	News trends and web search query of HIV/AIDS in Hong Kong. <i>PLoS ONE</i> , 2017 , 12, e0185004	3.7	17
124	Strategic decision making about travel during disease outbreaks: a game theoretical approach. <i>Journal of the Royal Society Interface</i> , 2018 , 15,	4.1	17
123	Patterns of influenza vaccination coverage in the United States from 2009 to 2015. <i>International Journal of Infectious Diseases</i> , 2017 , 65, 122-127	10.5	16
122	Large-scale Lassa fever outbreaks in Nigeria: quantifying the association between disease reproduction number and local rainfall. <i>Epidemiology and Infection</i> , 2020 , 148, e4	4.3	16
121	Generalized synchronization induced by noise and parameter mismatching in HindmarshRose neurons. <i>Chaos, Solitons and Fractals</i> , 2005 , 23, 1605-1611	9.3	16
120	Four-tier response system and spatial propagation of COVID-19 in China by a network model. <i>Mathematical Biosciences</i> , 2020 , 330, 108484	3.9	16
119	Seasonality of Influenza A(H7N9) Virus in China-Fitting Simple Epidemic Models to Human Cases. <i>PLoS ONE</i> , 2016 , 11, e0151333	3.7	15
118	The ambient ozone and COVID-19 transmissibility in China: A data-driven ecological study of 154 cities. <i>Journal of Infection</i> , 2020 , 81, e9-e11	18.9	14
117	HIV epidemics in Shenzhen and Chongqing, China. <i>PLoS ONE</i> , 2018 , 13, e0192849	3.7	13
116	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
115	Epidemic Growth and Reproduction Number for the Novel Coronavirus Disease (COVID-19) Outbreak on the Diamond Princess Cruise Ship from January 20 to February 19, 2020: A preliminary Data-Driven Analysis. <i>SSRN Electronic Journal</i> ,	1	12
114	Inferencing superspreading potential using zero-truncated negative binomial model: exemplification with COVID-19. <i>BMC Medical Research Methodology</i> , 2021 , 21, 30	4.7	12
113	Estimating the generation interval and inferring the latent period of COVID-19 from the contact tracing data. <i>Epidemics</i> , 2021 , 36, 100482	5.1	12
112	Detecting generalized synchrony: an improved approach. <i>Physical Review E</i> , 2003 , 67, 026223	2.4	11
111	Low dispersion in the infectiousness of COVID-19 cases implies difficulty in control. <i>BMC Public Health</i> , 2020 , 20, 1558	4.1	11
110	The unexpected dynamics of COVID-19 in Manaus, Brazil: Was herd immunity achieved?		11
109	Vertical Transmission of SARS-CoV-2: A Systematic Review of Systematic Reviews. <i>Viruses</i> , 2021 , 13,	6.2	11

108	New estimates of the Zika virus epidemic attack rate in Northeastern Brazil from 2015 to 2016: A modelling analysis based on Guillain-Barré Syndrome (GBS) surveillance data. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0007502	4.8	10
107	Analysing increasing trends of Guillain-Barré Syndrome (GBS) and dengue cases in Hong Kong using meteorological data. <i>PLoS ONE</i> , 2017 , 12, e0187830	3.7	10
106	Reinfection or Reactivation of Severe Acute Respiratory Syndrome Coronavirus 2: A Systematic Review. <i>Frontiers in Public Health</i> , 2021 , 9, 663045	6	10
105	Using Proper Mean Generation Intervals in Modeling of COVID-19. <i>Frontiers in Public Health</i> , 2021 , 9, 691262	6	10
104	Estimation of COVID-19 under-ascertainment in Kano, Nigeria during the early phase of the epidemics. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 4547-4554	6.1	10
103	The long-term changing dynamics of dengue infectivity in Guangdong, China, from 2008-2018: a modelling analysis. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2020 , 114, 62-71	2	9
102	Differences in the seasonality of Middle East respiratory syndrome coronavirus and influenza in the Middle East. <i>International Journal of Infectious Diseases</i> , 2015 , 40, 15-6	10.5	9
101	Bright Soliton Solutions in Degenerate Femi Gas near Feshbach Resonance. <i>Chinese Physics Letters</i> , 2009 , 26, 120308	1.8	9
100	Modelling the effects of the contaminated environments on tuberculosis in Jiangsu, China. <i>Journal of Theoretical Biology</i> , 2021 , 508, 110453	2.3	9
99	Real-time estimation of the reproduction number of the novel coronavirus disease (COVID-19) in China in 2020 based on incidence data. <i>Annals of Translational Medicine</i> , 2020 , 8, 689	3.2	8
98	Modelling the transmission and control strategies of varicella among school children in Shenzhen, China. <i>PLoS ONE</i> , 2017 , 12, e0177514	3.7	8
97	The cohort effect in childhood disease dynamics. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	8
96	Phase locking in on-off intermittency. <i>Physical Review E</i> , 2001 , 64, 066203	2.4	8
95	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
94	Effects of particulate matter exposure on the transmissibility and case fatality rate of COVID-19: A Nationwide Ecological Study in China. <i>Journal of Travel Medicine</i> , 2020 , 27,	12.9	8
93	Chaoslike behavior in nonchaotic systems at finite computation precision. <i>Physical Review E</i> , 2001 , 63, 046310	2.4	7
92	Analysis of generalized synchronization in directionally coupled chaotic phase-coherent oscillators by local minimal fluctuations. <i>Physical Review E</i> , 2002 , 66, 036208	2.4	7
91	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. <i>BMJ Open</i> , 2021 , 11, e049752	3	7

90	Forecast of the COVID-19 trend in India: A simple modelling approach. <i>Mathematical Biosciences and Engineering</i> , 2021 , 18, 9775-9786	2.1	7
89	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. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 27757-27768	5.1	7
88	The shortage of hospital beds for COVID-19 and non-COVID-19 patients during the lockdown of Wuhan, China. <i>Annals of Translational Medicine</i> , 2021 , 9, 200	3.2	7
87	Obesity and COVID-19 in Adult Patients With Diabetes. <i>Diabetes</i> , 2021 , 70, 1061-1069	0.9	7
86	Transmission dynamics of SARS-CoV-2: A modeling analysis with high-and-moderate risk populations. <i>Results in Physics</i> , 2021 , 26, 104290	3.7	7
85	Phase-shifting of the transmissibility of macrolide-sensitive and resistant <i>Mycoplasma pneumoniae</i> epidemics in Hong Kong, from 2015 to 2018. <i>International Journal of Infectious Diseases</i> , 2019 , 81, 251-253	10.5	6
84	The time serial distribution and influencing factors of asymptomatic COVID-19 cases in Hong Kong. <i>One Health</i> , 2020 , 10, 100166	7.6	6
83	Mathematical modeling and analysis of meningococcal meningitis transmission dynamics. <i>International Journal of Biomathematics</i> , 2020 , 13, 2050006	1.8	6
82	Unusual synchronization of Red Sea fish energy expenditures. <i>Ecology Letters</i> , 2003 , 6, 83-86	10	6
81	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
80	Estimation of local novel coronavirus (COVID-19) cases in Wuhan, China from off-site reported cases and population flow data from different sources		6
79	Preliminary estimating the reproduction number of the coronavirus disease (COVID-19) outbreak in Republic of Korea from 31 January to 1 March 2020		6
78	Mechanistic modelling of multiple waves in an influenza epidemic or pandemic. <i>Journal of Theoretical Biology</i> , 2020 , 486, 110070	2.3	6
77	Extraordinary curtailment of massive typhus epidemic in the Warsaw Ghetto. <i>Science Advances</i> , 2020 , 6, eabc0927	14.3	6
76	Unexpected positive correlation between human development index and risk of infections and deaths of COVID-19 in Italy. <i>One Health</i> , 2020 , 10, 100174	7.6	6
75	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. <i>One Health</i> , 2021 , 12, 100201	7.6	6
74	Meningitis epidemics shift in sub-Saharan belt. <i>International Journal of Infectious Diseases</i> , 2018 , 68, 79-82	20.5	5
73	Transition to Phase Synchronization Through Generalized Synchronization. <i>Chinese Physics Letters</i> , 2003 , 20, 999-1002	1.8	5

72	Phase-Locking in Coupled Chaotic Oscillators. <i>Chinese Physics Letters</i> , 2002 , 19, 174-176	1.8	5
71	Associations between Public Awareness, Local Precipitation, and Cholera in Yemen in 2017. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019 , 101, 521-524	3.2	5
70	Anti-phase synchronization of influenza A/H1N1 and A/H3N2 in Hong Kong and countries in the North Temperate Zone. <i>International Journal of Infectious Diseases</i> , 2018 , 66, 42-44	10.5	5
69	The Second Wave of COVID-19 in South and Southeast Asia and the Effects of Vaccination.. <i>Frontiers in Medicine</i> , 2021 , 8, 773110	4.9	5
68	Mathematical models of transmission dynamics and vaccine strategies in Hong Kong during the 2017-2018 winter influenza season. <i>Journal of Theoretical Biology</i> , 2019 , 476, 74-94	2.3	4
67	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
66	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. <i>BMJ Open</i> , 2020 , 10, e035308	3	4
65	Population-Wide Genetic Risk Prediction of Complex Diseases: A Pilot Feasibility Study in Macau Population for Precision Public Healthcare Planning. <i>Scientific Reports</i> , 2018 , 8, 1853	4.9	4
64	Spurious synchronization in non-diagonally coupled identical Lorenz oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 326, 349-354	2.3	4
63	Unexpected correspondence between noise-induced and master-slave complete synchronizations. <i>Physical Review E</i> , 2003 , 68, 037202	2.4	4
62	A simple method for the computation of the conditional Lyapunov exponents. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 1999 , 4, 113-117	3.7	4
61	The Heterogeneous Severity of COVID-19 in African Countries: A Modeling Approach.. <i>Bulletin of Mathematical Biology</i> , 2022 , 84, 32	2.1	4
60	Infection fatality ratio and case fatality ratio of COVID-19. <i>International Journal of Infectious Diseases</i> , 2021 , 113, 43-46	10.5	4
59	Preliminary estimation of the novel coronavirus disease (COVID-19) cases in Iran: a modelling analysis based on overseas cases and air travel data		4
58	Initial COVID-19 Transmissibility and Three Gaseous Air Pollutants (NO, SO, and CO): A Nationwide Ecological Study in China. <i>Frontiers in Medicine</i> , 2020 , 7, 575839	4.9	4
57	High Infection Fatality Rate Among Elderly and Risk Factors Associated With Infection Fatality Rate and Asymptomatic Infections of COVID-19 Cases in Hong Kong. <i>Frontiers in Medicine</i> , 2021 , 8, 678347	4.9	4
56	Multiple COVID-19 Waves and Vaccination Effectiveness in the United States.. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	4
55	Public awareness, news promptness and the measles outbreak in Hong Kong from March to April, 2019. <i>Infectious Diseases</i> , 2020 , 52, 284-290	3.1	3

54	Spatio-temporal patterns of proportions of influenza B cases. <i>Scientific Reports</i> , 2017 , 7, 40085	4.9	3
53	Modelling COVID-19 Vaccine Breakthrough Infections in Highly Vaccinated Israel [The effects of waning immunity and third vaccination dose		3
52	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
51	Modeling the 2014-2015 Ebola Virus Disease Outbreaks in Sierra Leone, Guinea, and Liberia with Effect of High- and Low-risk Susceptible Individuals. <i>Bulletin of Mathematical Biology</i> , 2020 , 82, 102	2.1	3
50	The new SARS-CoV-2 variant and reinfection in the resurgence of COVID-19 outbreaks in Manaus, Brazil		3
49	Estimating the Instantaneous Asymptomatic Proportion With a Simple Approach: Exemplified With the Publicly Available COVID-19 Surveillance Data in Hong Kong. <i>Frontiers in Public Health</i> , 2021 , 9, 604435	6.5	3
48	Antiprotozoal Effect of Snake Venoms and Their Fractions: A Systematic Review.. <i>Pathogens</i> , 2021 , 10,	4.5	3
47	Impact of low vaccine coverage on the resurgence of COVID-19 in Central and Eastern Europe. <i>One Health</i> , 2022 , 14, 100402	7.6	3
46	The Long-Term Periodic Patterns of Global Rabies Epidemics Among Animals: A Modeling Analysis. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050047	2	2
45	Unsynchronized influenza epidemics in two neighboring subtropical cities. <i>International Journal of Infectious Diseases</i> , 2018 , 69, 85-87	10.5	2
44	NOISE-INDUCED SYNCHRONIZATION IN MULTITROPHIC CHAOTIC ECOLOGICAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 1779-1788	2	2
43	COVID-19 and Lassa fever in Nigeria: A deadly alliance?. <i>International Journal of Infectious Diseases</i> , 2022 ,	10.5	2
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. <i>Infection and Drug Resistance</i> , 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. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	2
40	Heterogeneous Severity of COVID-19 in African Countries: A Modeling Approach		2
39	Dynamics analysis of typhoid fever with public health education programs and final epidemic size relation. <i>Results in Applied Mathematics</i> , 2021 , 10, 100153	1.7	2
38	Synchronized nonpharmaceutical interventions for the control of COVID-19. <i>Nonlinear Dynamics</i> , 2021 , 106, 1-13	5	2
37	Predicting Antituberculosis Drug-Induced Liver Injury Using an Interpretable Machine Learning Method: Model Development and Validation Study. <i>JMIR Medical Informatics</i> , 2021 , 9, e29226	3.6	2

36	A Zika Endemic Model for the Contribution of Multiple Transmission Routes. <i>Bulletin of Mathematical Biology</i> , 2021 , 83, 111	2.1	2
35	The second wave of COVID-19 in South and Southeast Asia and vaccination effects		2
34	Mathematical analysis of Lassa fever epidemic with effects of environmental transmission. <i>Results in Physics</i> , 2022 , 35, 105335	3.7	2
33	Preliminary estimation of the novel coronavirus disease (COVID-19) cases in Iran: A reply to Sharifi. <i>International Journal of Infectious Diseases</i> , 2020 , 95, 429-430	10.5	1
32	Age-Period-Cohort Analysis on the Time Trend of Hepatitis B Incidence in Four Prefectures of Southern Xinjiang, China from 2005 to 2017. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	1
31	Breast cancer mortality in Chinese women: does migrant status play a role?. <i>Annals of Epidemiology</i> , 2019 , 40, 28-34.e2	6.4	1
30	Using CONTENT 1.5 to analyze an SIR model for childhood infectious diseases. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008 , 13, 1743-1747	3.7	1
29	Synchronization in Two Uncoupled Chaotic Neurons. <i>Lecture Notes in Computer Science</i> , 2004 , 138-143	0.9	1
28	An Investigation of the Risk Factors Associated With Anti-Tuberculosis Drug-Induced Liver Injury or Abnormal Liver Functioning in 757 Patients With Pulmonary Tuberculosis. <i>Frontiers in Pharmacology</i> , 2021 , 12, 708522	5.6	1
27	Influenza seasonality and its environmental driving factors in mainland China and Hong Kong. <i>Science of the Total Environment</i> , 2021 , 151724	10.2	1
26	The Attack Rate of the COVID-19 in a Year. <i>SSRN Electronic Journal</i> ,	1	1
25	Large-scale Lassa fever outbreaks in Nigeria: quantifying the association between disease reproduction number and local rainfall		1
24	Seasonal influenza activity in young children before the COVID-19 outbreak in Wuhan, China. <i>Transboundary and Emerging Diseases</i> , 2020 , 67, 2277-2279	4.2	1
23	Estimating the Prevalence of Asymptomatic COVID-19 Cases and Their Contribution in Transmission - Using Henan Province, China, as an Example. <i>Frontiers in Medicine</i> , 2021 , 8, 591372	4.9	1
22	Excess pneumonia and influenza death as herald wave of COVID-19 in England and Wales, United Kingdom. <i>Journal of Infection</i> , 2021 , 82, 282-327	18.9	1
21	An analysis on the trend of AIDS/HIV incidence in Chongqing and Shenzhen, China from 2005-2015 based on Age-Period-Cohort model. <i>Mathematical Biosciences and Engineering</i> , 2021 , 18, 6961-6977	2.1	1
20	Two waves of COVID-19 in Brazilian cities and vaccination impact.. <i>Mathematical Biosciences and Engineering</i> , 2022 , 19, 4657-4671	2.1	1
19	Infection fatality rate and infection attack rate of COVID-19 in South American countries.. <i>Infectious Diseases of Poverty</i> , 2022 , 11, 40	10.4	1

18	The non-pharmaceutical interventions may affect the advantage in transmission of mutated variants during epidemics: A conceptual model for COVID-19.. <i>Journal of Theoretical Biology</i> , 2022 , 542, 111105	2.3	1
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