Daihai He

List of Publications by Year
in descending order

175 papers	7,771 citations	101543 36 h-index	71685 76 g-index
209 all docs	209 docs citations	209 times ranked	9393 citing authors

#	Article	IF	Citations
1	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.	3.3	1,428
2	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.	3.3	859
3	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, 388.	2.4	378
4	Prevention and Control of Zika as a Mosquito-Borne and Sexually Transmitted Disease: A Mathematical Modeling Analysis. Scientific Reports, 2016, 6, 28070.	3.3	250
5	Plug-and-play inference for disease dynamics: measles in large and small populations as a case study. Journal of the Royal Society Interface, 2010, 7, 271-283.	3.4	222
6	The relative transmissibility of asymptomatic COVID-19 infections among close contacts. International Journal of Infectious Diseases, 2020, 94, 145-147.	3.3	199
7	Effects of School Closure on Incidence of Pandemic Influenza in Alberta, Canada. Annals of Internal Medicine, 2012, 156, 173.	3.9	166
8	The Disease Severity and Clinical Outcomes of the SARS-CoV-2 Variants of Concern. Frontiers in Public Health, 2021, 9, 775224.	2.7	156
9	Time series analysis via mechanistic models. Annals of Applied Statistics, 2009, 3, .	1.1	144
10	Decreased Case Fatality Rate of COVIDâ€19 in the Second Wave: A study in 53 countries or regions. Transboundary and Emerging Diseases, 2021, 68, 213-215.	3.0	136
11	Early estimation of the case fatality rate of COVID-19 in mainland China: a data-driven analysis. Annals of Translational Medicine, 2020, 8, 128-128.	1.7	135
12	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.	3.0	132
13	Inferring the causes of the three waves of the 1918 influenza pandemic in England and Wales. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131345.	2.6	109
14	Blood pressure control and adverse outcomes of COVID-19 infection in patients with concomitant hypertension in Wuhan, China. Hypertension Research, 2020, 43, 1267-1276.	2.7	91
15	Pattern formation of spiral waves in an inhomogeneous medium with small-world connections. Physical Review E, 2002, 65, 055204.	2.1	84
16	Mathematical modeling of COVID-19 epidemic with effect of awareness programs. Infectious Disease Modelling, 2021, 6, 448-460.	1.9	83
17	Modelling the large-scale yellow fever outbreak in Luanda, Angola, and the impact of vaccination. PLoS Neglected Tropical Diseases, 2018, 12, e0006158.	3.0	83
18	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.	3.7	79

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19	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.	3.3	77
20	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.	3.3	72
21	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, .	3.0	71
22	Noise-induced synchronization in realistic models. Physical Review E, 2003, 67, 027201.	2.1	70
23	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, 448-448.	1.7	60
24	Spatio-temporal synchronization of recurrent epidemics. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1519-1526.	2.6	55
25	Global Spatio-temporal Patterns of Influenza in the Post-pandemic Era. Scientific Reports, 2015, 5, 11013.	3.3	55
26	Modeling the spread of Middle East respiratory syndrome coronavirus in Saudi Arabia. Statistical Methods in Medical Research, 2018, 27, 1968-1978.	1.5	55
27	Estimating the generation interval and inferring the latent period of COVID-19 from the contact tracing data. Epidemics, 2021, 36, 100482.	3.0	55
28	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, .	2.1	53
29	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.	1.8	53
30	Ambient ozone and influenza transmissibility in Hong Kong. European Respiratory Journal, 2018, 51, 1800369.	6.7	50
31	Epidemiological effects of seasonal oscillations in birth rates. Theoretical Population Biology, 2007, 72, 274-291.	1.1	46
32	Mechanistic modelling of the large-scale Lassa fever epidemics in Nigeria from 2016 to 2019. Journal of Theoretical Biology, 2020, 493, 110209.	1.7	44
33	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, .	3.0	43
34	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.	2.5	42
35	Mechanistic modelling of the three waves of the 1918 influenza pandemic. Theoretical Ecology, 2011, 4, 283-288.	1.0	41
36	Modelling diapause in mosquito population growth. Journal of Mathematical Biology, 2019, 78, 2259-2288.	1.9	40

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37	Reduction in the infection fatality rate of Omicron variant compared with previous variants in South Africa. International Journal of Infectious Diseases, 2022, 120, 146-149.	3.3	39
38	Chaotic oscillations and cycles in multi-trophic ecological systems. Journal of Theoretical Biology, 2007, 248, 382-390.	1.7	38
39	Comparing COVID-19 and the 1918â€“19 influenza pandemics in the United Kingdom. International Journal of Infectious Diseases, 2020, 98, 67-70.	3.3	38
40	Multiple COVID-19 Waves and Vaccination Effectiveness in the United States. International Journal of Environmental Research and Public Health, 2022, 19, 2282.	2.6	36
41	Four-tier response system and spatial propagation of COVID-19 in China by a network model. Mathematical Biosciences, 2020, 330, 108484.	1.9	35
42	Vertical Transmission of SARS-CoV-2: A Systematic Review of Systematic Reviews. Viruses, 2021, 13, 1877.	3.3	35
43	Unexpected positive correlation between human development index and risk of infections and deaths of COVID-19 in Italy. One Health, 2020, 10, 100174.	3.4	34
44	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, 2001253.	6.7	34
45	Patterns of spread of influenza A in Canada. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131174.	2.6	32
46	Large-scale Lassa fever outbreaks in Nigeria: quantifying the association between disease reproduction number and local rainfall. Epidemiology and Infection, 2020, 148, e4.	2.1	32
47	Influenza seasonality and its environmental driving factors in mainland China and Hong Kong. Science of the Total Environment, 2022, 818, 151724.	8.0	32
48	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. PLoS ONE, 2015, 10, e0125447.	2.5	31
49	A comparison study of Zika virus outbreaks in French Polynesia, Colombia and the State of Bahia in Brazil. Scientific Reports, 2017, 7, 273.	3.3	31
50	A mathematical model to study the 2014â€“2015 large-scale dengue epidemics in Kaohsiung and Tainan cities in Taiwan, China. Mathematical Biosciences and Engineering, 2019, 16, 3841-3863.	1.9	31
51	Effects of reactive social distancing on the 1918 influenza pandemic. PLoS ONE, 2017, 12, e0180545.	2.5	30
52	Modeling the 2016â€“2017 Yemen cholera outbreak with the impact of limited medical resources. Journal of Theoretical Biology, 2018, 451, 80-85.	1.7	30
53	Modelling the effective reproduction number of vector-borne diseases: the yellow fever outbreak in Luanda, Angola 2015â€“2016 as an example. PeerJ, 2020, 8, e8601.	2.0	30
54	Estimating the serial interval of the novel coronavirus disease (COVIDâ€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.	3.0	29

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55	Reinfection or Reactivation of Severe Acute Respiratory Syndrome Coronavirus 2: A Systematic Review. Frontiers in Public Health, 2021, 9, 663045.	2.7	29
56	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.	1.9	29
57	The ambient ozone and COVID-19 transmissibility in China: A data-driven ecological study of 154 cities. Journal of Infection, 2020, 81, e9-e11.	3.3	27
58	Modelling the skip-and-resurgence of Japanese encephalitis epidemics in Hong Kong. Journal of Theoretical Biology, 2018, 454, 1-10.	1.7	26
59	Modelling the effects of the contaminated environments on tuberculosis in Jiangsu, China. Journal of Theoretical Biology, 2021, 508, 110453.	1.7	26
60	News trends and web search query of HIV/AIDS in Hong Kong. PLoS ONE, 2017, 12, e0185004.	2.5	26
61	Infection fatality ratio and case fatality ratio of COVID-19. International Journal of Infectious Diseases, 2021, 113, 43-46.	3.3	25
62	Patterns of influenza vaccination coverage in the United States from 2009 to 2015. International Journal of Infectious Diseases, 2017, 65, 122-127.	3.3	24
63	Strategic decision making about travel during disease outbreaks: a game theoretical approach. Journal of the Royal Society Interface, 2018, 15, 20180515.	3.4	24
64	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.	3.3	24
65	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, 200-200.	1.7	24
66	Positive RT-PCR tests among discharged COVID-19 patients in Shenzhen, China. Infection Control and Hospital Epidemiology, 2020, 41, 1110-1112.	1.8	23
67	Inferencing superspreading potential using zero-truncated negative binomial model: exemplification with COVID-19. BMC Medical Research Methodology, 2021, 21, 30.	3.1	23
68	Generalized Splay State in Coupled Chaotic Oscillators Induced by Weak Mutual Resonant Interactions. Physical Review Letters, 2001, 86, 1510-1513.	7.8	22
69	Age-specific epidemic waves of influenza and respiratory syncytial virus in a subtropical city. Scientific Reports, 2015, 5, 10390.	3.3	21
70	Low dispersion in theÂinfectiousness of COVID-19 cases implies difficulty in control. BMC Public Health, 2020, 20, 1558.	2.9	21
71	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.	5.3	21
72	Using Proper Mean Generation Intervals in Modeling of COVID-19. Frontiers in Public Health, 2021, 9, 691262.	2.7	20

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73	Impact of low vaccine coverage on the resurgence of COVID-19 in Central and Eastern Europe. One Health, 2022, 14, 100402.	3.4	20
74	Periodic states with functional phase relation in weakly coupled chaotic Hindmarshâ€“Rose neurons. Physica D: Nonlinear Phenomena, 2001, 156, 314-324.	2.8	19
75	Obesity and COVID-19 in Adult Patients With Diabetes. Diabetes, 2021, 70, 1061-1069.	0.6	19
76	Transmission dynamics of SARS-CoV-2: A modeling analysis with high-and-moderate risk populations. Results in Physics, 2021, 26, 104290.	4.1	19
77	Seasonality of Influenza A(H7N9) Virus in Chinaâ€”Fitting Simple Epidemic Models to Human Cases. PLoS ONE, 2016, 11, e0151333.	2.5	19
78	Forecast of the COVID-19 trend in India: A simple modelling approach. Mathematical Biosciences and Engineering, 2021, 18, 9775-9786.	1.9	19
79	Generalized synchronization induced by noise and parameter mismatching in Hindmarshâ€“Rose neurons. Chaos, Solitons and Fractals, 2005, 23, 1605-1611.	5.1	18
80	The Heterogeneous Severity of COVID-19 in African Countries: A Modeling Approach. Bulletin of Mathematical Biology, 2022, 84, 32.	1.9	18
81	The Second Wave of COVID-19 in South and Southeast Asia and the Effects of Vaccination. Frontiers in Medicine, 2021, 8, 773110.	2.6	18
82	New estimates of the Zika virus epidemic attack rate in Northeastern Brazil from 2015 to 2016: A modelling analysis based on Guillain-BarrÃ© Syndrome (GBS) surveillance data. PLoS Neglected Tropical Diseases, 2020, 14, e0007502.	3.0	16
83	HIV epidemics in Shenzhen and Chongqing, China. PLoS ONE, 2018, 13, e0192849.	2.5	16
84	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, 689-689.	1.7	15
85	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. SSRN Electronic Journal, 0, , .	0.4	15
86	Detecting generalized synchrony: An improved approach. Physical Review E, 2003, 67, 026223.	2.1	14
87	The long-term changing dynamics of dengue infectivity in Guangdong, China, from 2008â€“2018: a modelling analysis. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2020, 114, 62-71.	1.8	14
88	Estimation of COVID-19 under-ascertainment in Kano, Nigeria during the early phase of the epidemics. AEJ - Alexandria Engineering Journal, 2021, 60, 4547-4554.	6.4	14
89	Analysing increasing trends of Guillain-BarrÃ© Syndrome (GBS) and dengue cases in Hong Kong using meteorological data. PLoS ONE, 2017, 12, e0187830.	2.5	14
90	Differences in the seasonality of Middle East respiratory syndrome coronavirus and influenza in the Middle East. International Journal of Infectious Diseases, 2015, 40, 15-16.	3.3	13

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91	Extraordinary curtailment of massive typhus epidemic in the Warsaw Ghetto. Science Advances, 2020, 6, eabc0927.	10.3	13
92	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, .	3.0	13
93	An Investigation of the Risk Factors Associated With Anti-Tuberculosis Drug-Induced Liver Injury or Abnormal Liver Functioning in 757 Patients With Pulmonary Tuberculosis. Frontiers in Pharmacology, 2021, 12, 708522.	3.5	13
94	Generalized synchronization induced by noise and parameter mismatching in Hindmarshâ€“Rose neurons. Chaos, Solitons and Fractals, 2005, 23, 1605-1611.	5.1	12
95	Infection fatality rate and infection attack rate of COVID-19 in South American countries. Infectious Diseases of Poverty, 2022, 11, 40.	3.7	12
96	Bright Soliton Solutions in Degenerate Femi Gas near Feshbach Resonance. Chinese Physics Letters, 2009, 26, 120308.	3.3	11
97	Phase locking in on-off intermittency. Physical Review E, 2001, 64, 066203.	2.1	10
98	The cohort effect in childhood disease dynamics. Journal of the Royal Society Interface, 2016, 13, 20160156.	3.4	10
99	Modelling the transmission and control strategies of varicella among school children in Shenzhen, China. PLoS ONE, 2017, 12, e0177514.	2.5	10
100	Estimating the Prevalence of Asymptomatic COVID-19 Cases and Their Contribution in Transmission - Using Henan Province, China, as an Example. Frontiers in Medicine, 2021, 8, 591372.	2.6	10
101	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.	1.9	9
102	Mathematical modeling and analysis of meningococcal meningitis transmission dynamics. International Journal of Biomathematics, 2020, 13, 2050006.	2.9	9
103	Dynamics analysis of typhoid fever with public health education programs and final epidemic size relation. Results in Applied Mathematics, 2021, 10, 100153.	1.3	9
104	COVID-19 and Lassa fever in Nigeria: A deadly alliance?. International Journal of Infectious Diseases, 2022, 117, 45-47.	3.3	9
105	Mathematical analysis of Lassa fever epidemic with effects of environmental transmission. Results in Physics, 2022, 35, 105335.	4.1	9
106	Analysis of generalized synchronization in directionally coupled chaotic phase-coherent oscillators by local minimal fluctuations. Physical Review E, 2002, 66, 036208.	2.1	8
107	Meningitis epidemics shift in sub-Saharan belt. International Journal of Infectious Diseases, 2018, 68, 79-82.	3.3	8
108	Age-Period-Cohort Analysis on the Time Trend of Hepatitis B Incidence in Four Prefectures of Southern Xinjiang, China from 2005 to 2017. International Journal of Environmental Research and Public Health, 2019, 16, 3886.	2.6	8

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109	Mathematical models of transmission dynamics and vaccine strategies in Hong Kong during the 2017â€“2018 winter influenza season. Journal of Theoretical Biology, 2019, 476, 74-94.	1.7	8
110	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.	3.3	8
111	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.	3.4	8
112	Predicting Antituberculosis Drugâ€“Induced Liver Injury Using an Interpretable Machine Learning Method: Model Development and Validation Study. JMIR Medical Informatics, 2021, 9, e29226.	2.6	8
113	A Zika Endemic Model for the Contribution of Multiple Transmission Routes. Bulletin of Mathematical Biology, 2021, 83, 111.	1.9	8
114	Two waves of COIVD-19 in Brazilian cities and vaccination impact. Mathematical Biosciences and Engineering, 2022, 19, 4657-4671.	1.9	8
115	Antiprotozoal Effect of Snake Venoms and Their Fractions: A Systematic Review. Pathogens, 2021, 10, 1632.	2.8	8
116	Chaoslike behavior in nonchaotic systems at finite computation precision. Physical Review E, 2001, 63, 046310.	2.1	7
117	Unusual synchronization of Red Sea fish energy expenditures. Ecology Letters, 2003, 6, 83-86.	6.4	7
118	Population-Wide Genetic Risk Prediction of Complex Diseases: A Pilot Feasibility Study in Macau Population for Precision Public Healthcare Planning. Scientific Reports, 2018, 8, 1853.	3.3	7
119	Mechanistic modelling of multiple waves in an influenza epidemic or pandemic. Journal of Theoretical Biology, 2020, 486, 110070.	1.7	7
120	Modeling the 2014â€“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.	1.9	7
121	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.	2.6	7
122	Associations between Public Awareness, Local Precipitation, and Cholera in Yemen in 2017. American Journal of Tropical Medicine and Hygiene, 2019, 101, 521-524.	1.4	7
123	Superspreading potential of SARS-CoV-2 Delta variants under intensive disease control measures in China. Journal of Travel Medicine, 2022, 29, .	3.0	7
124	Transition to Phase Synchronization Through Generalized Synchronization. Chinese Physics Letters, 2003, 20, 999-1002.	3.3	6
125	Anti-phase synchronization of influenza A/H1N1 and A/H3N2 in Hong Kong and countries in the North Temperate Zone. International Journal of Infectious Diseases, 2018, 66, 42-44.	3.3	6
126	Initial COVID-19 Transmissibility and Three Gaseous Air Pollutants (NO2, SO2, and CO): A Nationwide Ecological Study in China. Frontiers in Medicine, 2020, 7, 575839.	2.6	6

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127	The time serial distribution and influencing factors of asymptomatic COVID-19 cases in Hong Kong. One Health, 2020, 10, 100166.	3.4	6
128	Synchronized nonpharmaceutical interventions for the control of COVID-19. Nonlinear Dynamics, 2021, 106, 1-13.	5.2	6
129	Seroprevalence and infection attack rate of COVID-19 in Indian cities. Infectious Disease Modelling, 2022, 7, 25-32.	1.9	6
130	Heterogeneous epidemic modelling within an enclosed space and corresponding Bayesian estimation. Infectious Disease Modelling, 2022, 7, 1-24.	1.9	6
131	Post pandemic fatigue: what are effective strategies?. Scientific Reports, 2022, 12, .	3.3	6
132	A simple method for the computation of the conditional Lyapunov exponents. Communications in Nonlinear Science and Numerical Simulation, 1999, 4, 113-117.	3.3	5
133	Phase-Locking in Coupled Chaotic Oscillators. Chinese Physics Letters, 2002, 19, 174-176.	3.3	5
134	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, .	2.1	5
135	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.	3.3	5
136	An analysis on the trend of AIDS/HIV incidence in Chongqing and Shenzhen, China from 2005â€“2015 based on Age-Period-Cohort model. Mathematical Biosciences and Engineering, 2021, 18, 6961-6977.	1.9	5
137	Reduction in the Infection Fatality Rate of Omicron (B.1.1.529) Variant Compared to Previous Variants in South Africa. SSRN Electronic Journal, 0, , .	0.4	5
138	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.	1.7	5
139	Transmission dynamics of COVID-19 pandemic with combined effects of relapse, reinfection and environmental contribution: A modeling analysis. Results in Physics, 2022, 38, 105653.	4.1	5
140	Characterizing superspreading potential of infectious disease: Decomposition of individual transmissibility. PLoS Computational Biology, 2022, 18, e1010281.	3.2	5
141	Unexpected correspondence between noise-induced and master-slave complete synchronizations. Physical Review E, 2003, 68, 037202.	2.1	4
142	Spurious synchronization in non-diagonally coupled identical Lorenz oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 349-354.	2.1	4
143	Using CONTENT 1.5 to analyze an SIR model for childhood infectious diseases. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 1743-1747.	3.3	4
144	Spatio-temporal patterns of proportions of influenza B cases. Scientific Reports, 2017, 7, 40085.	3.3	4

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145	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, Volume 13, 1851-1861.	2.7	4
146	Public awareness, news promptness and the measles outbreak in Hong Kong from March to April, 2019. Infectious Diseases, 2020, 52, 284-290.	2.8	4
147	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.	2.7	4
148	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.	2.7	4
149	Regional heterogeneity of in-hospital mortality of COVID-19 in Brazil. Infectious Disease Modelling, 2022, 7, 364-373.	1.9	4
150	NOISE-INDUCED SYNCHRONIZATION IN MULTITROPHIC CHAOTIC ECOLOGICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1779-1788.	1.7	3
151	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.	1.7	3
152	Attach importance of the bootstrap<i>t</i>test against Student's<i>t</i>test in clinical epidemiology: a demonstrative comparison using COVID-19 as an example. Epidemiology and Infection, 2021, 149, e107.	2.1	3
153	Modelling COVID-19 outbreak on the Diamond Princess ship using the public surveillance data. Infectious Disease Modelling, 2022, 7, 189-195.	1.9	3
154	Unsynchronized influenza epidemics in two neighboring subtropical cities. International Journal of Infectious Diseases, 2018, 69, 85-87.	3.3	2
155	Breast cancer mortality in Chinese women: does migrant status play a role?. Annals of Epidemiology, 2019, 40, 28-34.e2.	1.9	2
156	Seasonal influenza activity in young children before the COVIDâ€19 outbreak in Wuhan, China. Transboundary and Emerging Diseases, 2020, 67, 2277-2279.	3.0	2
157	The impact of contact patterns of sexual networks on Zika virus spread: A case study in Costa Rica. Applied Mathematics and Computation, 2021, 393, 125765.	2.2	2
158	Excess pneumonia and influenza death as herald wave of COVID-19 in England and Wales, United Kingdom. Journal of Infection, 2021, 82, 282-327.	3.3	2
159	The Attack Rate of the COVID-19 in a Year. SSRN Electronic Journal, 0, , .	0.4	2
160	Modelling of Waning of Immunity and Reinfection Induced Antibody Boosting of SARS-CoV-2 in Manaus, Brazil. International Journal of Environmental Research and Public Health, 2022, 19, 1729.	2.6	2
161	Exported cases were infected on the way: A conjecture derived from analysis on Hong Kong monthly exported COVID-19 cases. International Journal of Infectious Diseases, 2022, 118, 62-64.	3.3	2
162	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.	1.9	2

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163	Synchronization in Two Uncoupled Chaotic Neurons. Lecture Notes in Computer Science, 2004, , 138-143.	1.3	1
164	Influenza versus COVID-19 cases among influenza-like illness patients in travelers from Wuhan to Hong Kong in January 2020. International Journal of Infectious Diseases, 2020, 101, 323-325.	3.3	1
165	Age, source, and future risk of COVID-19 infections in two settings of Hong Kong and Singapore. BMC Research Notes, 2020, 13, 336.	1.4	1
166	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.	3.3	1
167	Mathematical modeling and analysis of schistosomiasis transmission dynamics. International Journal of Modeling, Simulation, and Scientific Computing, 2021, 12, 2150021.	1.4	1
168	A continuous age-specific standardized mortality ratio for estimating the unascertained rates in the early epidemic of COVID-19 in different regions. Journal of Applied Statistics, 2023, 50, 2504-2517.	1.3	1
169	Shrinkage in serial intervals across transmission generations of COVID-19. Journal of Theoretical Biology, 2021, 529, 110861.	1.7	1
170	Editorial: Interference of COVID-19 and Influenza Infections. Frontiers in Public Health, 2021, 9, 818199.	2.7	1
171	GENERALIZED SYNCHRONIZATION IN DOUBLY DRIVEN CHAOTIC SYSTEM. International Journal of Modern Physics B, 2006, 20, 3477-3485.	2.0	0
172	Family exposure and the impact of containment measures to children with coronavirus disease 2019 outside Hubei, China: a cross-sectional study. Translational Pediatrics, 2021, 10, 92-102.	1.2	0
173	How Transportation Restriction Shapes the Relationship Between Ambient Nitrogen Dioxide and COVID-19 Transmissibility: An Exploratory Analysis. Frontiers in Public Health, 2021, 9, 697491.	2.7	0
174	Individual Variation in Infectiousness of Coronavirus 2019 Implies Difficulty in Control. SSRN Electronic Journal, 0, , .	0.4	0
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