

List of Publications by Year in descending order

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109
papers

5,551
citations

185998

28
h-index

106150

65
g-index

125
all docs

125
docs citations

125
times ranked

7538
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 2022, 115, 70-71.	1.5	2
2	COVID-19 and Lassa fever in Nigeria: A deadly alliance?. International Journal of Infectious Diseases, 2022, 117, 45-47.	1.5	9
3	The Heterogeneous Severity of COVID-19 in African Countries: A Modeling Approach. Bulletin of Mathematical Biology, 2022, 84, 32.	0.9	18
4	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.	1.9	6
5	Superspreading potential of SARS-CoV-2 Delta variants under intensive disease control measures in China. Journal of Travel Medicine, 2022, 29, .	1.4	7
6	Heterogeneous epidemic modelling within an enclosed space and corresponding Bayesian estimation. Infectious Disease Modelling, 2022, 7, 1-24.	1.2	6
7	The non-pharmaceutical interventions may affect the advantage in transmission of mutated variants during epidemics: A conceptual model for COVID-19. Journal of Theoretical Biology, 2022, 542, 111105.	0.8	5
8	Transmission dynamics of COVID-19 pandemic with combined effects of relapse, reinfection and environmental contribution: A modeling analysis. Results in Physics, 2022, 38, 105653.	2.0	5
9	Superspreading potential of infection seeded by the SARS-CoV-2 Omicron BA.1 variant in South Korea. Journal of Infection, 2022, 85, e77-e79.	1.7	7
10	Modelling COVID-19 outbreak on the Diamond Princess ship using the public surveillance data. Infectious Disease Modelling, 2022, 7, 189-195.	1.2	3
11	Characterizing superspreading potential of infectious disease: Decomposition of individual transmissibility. PLoS Computational Biology, 2022, 18, e1010281.	1.5	5
12	Could the ambient higher temperature decrease the transmissibility of COVID-19 in China?. Environmental Research, 2021, 193, 110576.	3.7	8
13	Modelling the effects of the contaminated environments on tuberculosis in Jiangsu, China. Journal of Theoretical Biology, 2021, 508, 110453.	0.8	26
14	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.	1.5	8
15	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.	1.3	136
16	Attach importance of the bootstrap test against Student's t test in clinical epidemiology: a demonstrative comparison using COVID-19 as an example. Epidemiology and Infection, 2021, 149, e107.	1.0	3
17	Superspreading and heterogeneity in transmission of SARS, MERS, and COVID-19: A systematic review. Computational and Structural Biotechnology Journal, 2021, 19, 5039-5046.	1.9	28
18	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, .	1.4	79

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19	Long-term exposure to fine particulate matter and dementia incidence: A cohort study in Hong Kong. <i>Environmental Pollution</i> , 2021, 271, 116303.	3.7	30
20	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, 200-200.	0.7	24
21	Limited role for meteorological factors on the variability in COVID-19 incidence: A retrospective study of 102 Chinese cities. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009056.	1.3	4
22	In silico prediction of influenza vaccine effectiveness by sequence analysis. <i>Vaccine</i> , 2021, 39, 1030-1034.	1.7	12
23	Inferencing superspreading potential using zero-truncated negative binomial model: exemplification with COVID-19. <i>BMC Medical Research Methodology</i> , 2021, 21, 30.	1.4	23
24	Estimating the time interval between transmission generations and the presymptomatic period by contact tracing surveillance data from 31 provinces in the mainland of China. <i>Fundamental Research</i> , 2021, 1, 104-110.	1.6	6
25	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. <i>Theoretical Biology and Medical Modelling</i> , 2021, 18, 10.	2.1	9
26	The reproductive number of Lassa fever: a systematic review. <i>Journal of Travel Medicine</i> , 2021, 28, .	1.4	4
27	Differential Influence of Age on the Relationship between Genetic Mismatch and A(H1N1)pdm09 Vaccine Effectiveness. <i>Viruses</i> , 2021, 13, 619.	1.5	4
28	Inferring the Association between the Risk of COVID-19 Case Fatality and N501Y Substitution in SARS-CoV-2. <i>Viruses</i> , 2021, 13, 638.	1.5	21
29	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, 604455.	1.3	4
30	Dynamics analysis of typhoid fever with public health education programs and final epidemic size relation. <i>Results in Applied Mathematics</i> , 2021, 10, 100153.	0.5	9
31	An early assessment of a case fatality risk associated with P.1 SARS-CoV-2 lineage in Brazil: an ecological study. <i>Journal of Travel Medicine</i> , 2021, 28, .	1.4	5
32	Increase in Diabetes Mortality Associated With COVID-19 Pandemic in the U.S.. <i>Diabetes Care</i> , 2021, 44, e146-e147.	4.3	22
33	Reinfection or Reactivation of Severe Acute Respiratory Syndrome Coronavirus 2: A Systematic Review. <i>Frontiers in Public Health</i> , 2021, 9, 663045.	1.3	29
34	How Transportation Restriction Shapes the Relationship Between Ambient Nitrogen Dioxide and COVID-19 Transmissibility: An Exploratory Analysis. <i>Frontiers in Public Health</i> , 2021, 9, 697491.	1.3	0
35	Using Proper Mean Generation Intervals in Modeling of COVID-19. <i>Frontiers in Public Health</i> , 2021, 9, 691262.	1.3	20
36	Transmission dynamics of SARS-CoV-2: A modeling analysis with high-and-moderate risk populations. <i>Results in Physics</i> , 2021, 26, 104290.	2.0	19

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37	Joint effect between bisphenol A and alcohol consumption on benign prostatic hyperplasia: A caseâ€“control study in Hong Kong Chinese males. <i>Prostate</i> , 2021, 81, 1214-1224.	1.2	3
38	Changes in renal failure mortality during the COVID-19 pandemic in the United States. <i>Journal of Nephrology</i> , 2021, 34, 2167-2170.	0.9	1
39	A Bayesian method for synthesizing multiple diagnostic outcomes of COVID-19 tests. <i>Royal Society Open Science</i> , 2021, 8, 201867.	1.1	2
40	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. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 105, 1247-1254.	0.6	5
41	Estimating the generation interval and inferring the latent period of COVID-19 from the contact tracing data. <i>Epidemics</i> , 2021, 36, 100482.	1.5	55
42	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.	3.4	14
43	Shrinkage in serial intervals across transmission generations of COVID-19. <i>Journal of Theoretical Biology</i> , 2021, 529, 110861.	0.8	1
44	The joint association of physical activity and fine particulate matter exposure with incident dementia in elderly Hong Kong residents. <i>Environment International</i> , 2021, 156, 106645.	4.8	19
45	Mathematical modeling of COVID-19 epidemic with effect of awareness programs. <i>Infectious Disease Modelling</i> , 2021, 6, 448-460.	1.2	83
46	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. <i>BMC Infectious Diseases</i> , 2021, 21, 1039.	1.3	2
47	Forecast of the COVID-19 trend in India: A simple modelling approach. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 9775-9786.	1.0	19
48	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.	0.8	29
49	The co-circulating transmission dynamics of SARS-CoV-2 Alpha and Eta variants in Nigeria: A retrospective modeling study of COVID-19. <i>Journal of Global Health</i> , 2021, 11, 05028.	1.2	4
50	The long-term changing dynamics of dengue infectivity in Guangdong, China, from 2008â€“2018: a modelling analysis. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2020, 114, 62-71.	0.7	14
51	Long-Term Exposure to Ambient Fine Particulate Matter and Mortality From Renal Failure: A Retrospective Cohort Study in Hong Kong, China. <i>American Journal of Epidemiology</i> , 2020, 189, 602-612.	1.6	27
52	Low dispersion in theâ€“infectiousness of COVID-19 cases implies difficulty in control. <i>BMC Public Health</i> , 2020, 20, 1558.	1.2	21
53	Initial COVID-19 Transmissibility and Three Gaseous Air Pollutants (NO ₂ , SO ₂ , and CO): A Nationwide Ecological Study in China. <i>Frontiers in Medicine</i> , 2020, 7, 575839.	1.2	6
54	Association of time to diagnosis with socioeconomic position and geographical accessibility to healthcare among symptomatic COVID-19 patients: A retrospective study in Hong Kong. <i>Health and Place</i> , 2020, 66, 102465.	1.5	20

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55	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.	1.5	79
56	To avoid the noncausal association between environmental factor and COVID-19 when using aggregated data: Simulation-based counterexamples for demonstration. <i>Science of the Total Environment</i> , 2020, 748, 141590.	3.9	10
57	<p>Modelling the Measles Outbreak at Hong Kong International Airport in 2019: A Data-Driven Analysis on the Effects of Timely Reporting and Public Awareness</p>. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 1851-1861.	1.1	4
58	Modeling the 2014â€“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.	0.9	7
59	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, .	1.4	13
60	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, .	1.0	53
61	A re-analysis to identify the structural breaks in COVID-19 transmissibility during the early phase of the outbreak in South Korea. <i>International Journal of Infectious Diseases</i> , 2020, 100, 10-11.	1.5	1
62	Predicting the dominant influenza A serotype by quantifying mutation activities. <i>International Journal of Infectious Diseases</i> , 2020, 100, 255-257.	1.5	6
63	A simple approach to estimate the instantaneous case fatality ratio: Using the publicly available COVID-19 surveillance data in Canada as an example. <i>Infectious Disease Modelling</i> , 2020, 5, 575-579.	1.2	6
64	The time serial distribution and influencing factors of asymptomatic COVID-19 cases in Hong Kong. <i>One Health</i> , 2020, 10, 100166.	1.5	6
65	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.	1.5	1
66	Monitoring disease transmissibility of 2019 novel coronavirus disease in Zhejiang, China. <i>International Journal of Infectious Diseases</i> , 2020, 96, 128-130.	1.5	22
67	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, 448-448.	0.7	60
68	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.	1.5	5
69	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. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 2818-2822.	1.3	29
70	Quantifying the importance of the key sites on haemagglutinin in determining the selection advantage of influenza virus: Using A/H3N2 as an example. <i>Journal of Infection</i> , 2020, 81, 452-482.	1.7	10
71	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, .	1.4	43
72	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.	1.5	859

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73	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.	1.0	53
74	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.	0.7	3
75	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, 689-689.	0.7	15
76	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.	1.7	27
77	Comparing COVID-19 and the 1918-19 influenza pandemics in the United Kingdom. <i>International Journal of Infectious Diseases</i> , 2020, 98, 67-70.	1.5	38
78	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, 2001253.	3.1	34
79	Public awareness, news promptness and the measles outbreak in Hong Kong from March to April, 2019. <i>Infectious Diseases</i> , 2020, 52, 284-290.	1.4	4
80	Mathematical modeling and analysis of meningococcal meningitis transmission dynamics. <i>International Journal of Biomathematics</i> , 2020, 13, 2050006.	1.5	9
81	Mechanistic modelling of the large-scale Lassa fever epidemics in Nigeria from 2016 to 2019. <i>Journal of Theoretical Biology</i> , 2020, 493, 110209.	0.8	44
82	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, .	1.4	71
83	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.	1.5	24
84	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.	1.0	32
85	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.	1.5	1,428
86	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.	1.5	132
87	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, 388.	1.0	378
88	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.	1.3	16
89	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.	1.5	77
90	Positive RT-PCR tests among discharged COVID-19 patients in Shenzhen, China. <i>Infection Control and Hospital Epidemiology</i> , 2020, 41, 1110-1112.	1.0	23

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91	The relative transmissibility of asymptomatic COVID-19 infections among close contacts. <i>International Journal of Infectious Diseases</i> , 2020, 94, 145-147.	1.5	199
92	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.	1.5	72
93	Epidemiological Parameters of COVID-19: Case Series Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e19994.	2.1	33
94	Estimating the time interval between transmission generations when negative values occur in the serial interval data: using COVID-19 as an example. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 3512-3519.	1.0	32
95	Transmissibility of coronavirus disease 2019 in Chinese cities with different dynamics of imported cases. <i>PeerJ</i> , 2020, 8, e10350.	0.9	8
96	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.	0.9	30
97	Epidemiological parameters and models of coronavirus disease 2019. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 090202.	0.2	3
98	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.	1.0	42
99	Epidemiology of an unexpected measles outbreak in Hong Kong, from March to April, 2019. <i>Travel Medicine and Infectious Disease</i> , 2019, 30, 133-136.	1.5	6
100	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.	1.5	8
101	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.	1.0	31
102	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.	0.6	7
103	Meningitis epidemics shift in sub-Saharan belt. <i>International Journal of Infectious Diseases</i> , 2018, 68, 79-82.	1.5	8
104	Strategic decision making about travel during disease outbreaks: a game theoretical approach. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180515.	1.5	24
105	Modelling the skip-and-resurgence of Japanese encephalitis epidemics in Hong Kong. <i>Journal of Theoretical Biology</i> , 2018, 454, 1-10.	0.8	26
106	Modeling the spread of Middle East respiratory syndrome coronavirus in Saudi Arabia. <i>Statistical Methods in Medical Research</i> , 2018, 27, 1968-1978.	0.7	55
107	Modelling the large-scale yellow fever outbreak in Luanda, Angola, and the impact of vaccination. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006158.	1.3	83
108	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.	1.6	31

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109	Analysing increasing trends of Guillain-Barré Syndrome (GBS) and dengue cases in Hong Kong using meteorological data. PLoS ONE, 2017, 12, e0187830.	1.1	14