Mingwang Shen

List of Publications by Year
in descending order

42 papers	952 citations	516710 16 h-index	501196 28 g-index
43 all docs	43 docs citations	43 times ranked	1172 citing authors

#	Article	IF	Citations
1	Trends in the incidence of diabetes mellitus: results from the Global Burden of Disease Study 2017 and implications for diabetes mellitus prevention. BMC Public Health, 2020, 20, 1415.	2.9	142
2	Modeling the Epidemic Trend of the 2019 Novel Coronavirus Outbreak in China. Innovation(China), 2020, 1, 100048.	9.1	92
3	Assessing the effects of metropolitan-wide quarantine on the spread of COVID-19 in public space and households. International Journal of Infectious Diseases, 2020, 96, 503-505.	3.3	82
4	Projected COVID-19 epidemic in the United States in the context of the effectiveness of a potential vaccine and implications for social distancing and face mask use. Vaccine, 2021, 39, 2295-2302.	3.8	72
5	Global stability of an infection-age structured HIV-1 model linking within-host and between-host dynamics. Mathematical Biosciences, 2015, 263, 37-50.	1.9	55
6	Predicting postmortem interval based on microbial community sequences and machine learning algorithms. Environmental Microbiology, 2020, 22, 2273-2291.	3.8	39
7	Cost-effectiveness analysis of BNT162b2 COVID-19 booster vaccination in the United States. International Journal of Infectious Diseases, 2022, 119, 87-94.	3.3	35
8	Modeling the effect of comprehensive interventions on Ebola virus transmission. Scientific Reports, 2015, 5, 15818.	3.3	32
9	What Is Required to Prevent a Second Major Outbreak of SARS-CoV-2 upon Lifting Quarantine in Wuhan City, China. Innovation(China), 2020, 1, 100006.	9.1	32
10	Elevated glucose level leads to rapid COVID-19 progression and high fatality. BMC Pulmonary Medicine, 2021, 21, 64.	2.0	31
11	Estimated Cost-effectiveness of Endoscopic Screening for Upper Gastrointestinal Tract Cancer in High-Risk Areas in China. JAMA Network Open, 2021, 4, e2121403.	5.9	30
12	Can self-imposed prevention measures mitigate the COVID-19 epidemic?. PLoS Medicine, 2020, 17, e1003240.	8.4	28
13	The cost-effectiveness of oral HIV pre-exposure prophylaxis and early antiretroviral therapy in the presence of drug resistance among men who have sex with men in San Francisco. BMC Medicine, 2018, 16, 58.	5.5	25
14	Inferencing superspreading potential using zero-truncated negative binomial model: exemplification with COVID-19. BMC Medical Research Methodology, 2021, 21, 30.	3.1	23
15	Conflict and accord of optimal treatment strategies for HIV infection within and between hosts. Mathematical Biosciences, 2019, 309, 107-117.	1.9	17
16	Global Stability of a Multi-group SVEIR Epidemiological Model with the Vaccination Age and Infection Age. Acta Applicandae Mathematicae, 2016, 144, 137-157.	1.0	16
17	Mass testing—An underexplored strategy for COVID-19 control. Innovation(China), 2021, 2, 100114.	9.1	16
18	Effects of New York's Executive Order on Face Mask Use on COVID-19 Infections and Mortality: A Modeling Study. Journal of Urban Health, 2021, 98, 197-204.	3.6	15

#	Article	IF	Citations
19	Early characteristics of the COVID-19 outbreak predict the subsequent epidemic scope. International Journal of Infectious Diseases, 2020, 97, 219-224.	3.3	13
20	Declining trend in HIV new infections in Guangxi, China: insights from linking reported HIV/AIDS cases with CD4-at-diagnosis data. BMC Public Health, 2020, 20, 919.	2.9	12
21	Evaluation of work resumption strategies after COVID-19 reopening in the Chinese city of Shenzhen: a mathematical modeling study. Public Health, 2021, 193, 17-22.	2.9	12
22	The role of institutional trust in preventive practices and treatment-seeking intention during the coronavirus disease 2019 outbreak among residents in Hubei, China. International Health, 2022, 14, 161-169.	2.0	11
23	Critical timing and extent of public health interventions to control outbreaks dominated by SARS-CoV-2 variants in Australia: a mathematical modelling study. International Journal of Infectious Diseases, 2022, 115, 154-165.	3.3	11
24	Early antiretroviral therapy and potent second-line drugs could decrease HIV incidence of drug resistance. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170525.	2.6	10
25	Targeted hepatitis E vaccination for women of childbearing age is cost-effective in China. Vaccine, 2019, 37, 5868-5876.	3.8	10
26	Global dynamics and cost-effectiveness analysis of HIV pre-exposure prophylaxis and structured treatment interruptions based on a multi-scale model. Applied Mathematical Modelling, 2019, 75, 162-200.	4.2	10
27	Investigating the Relationship between Reopening the Economy and Implementing Control Measures during the COVID-19 Pandemic. Public Health, 2021, 200, 15-21.	2.9	10
28	Global Dynamics and Applications of an Epidemiological Model for Hepatitis C Virus Transmission in China. Discrete Dynamics in Nature and Society, 2015, 2015, 1-13.	0.9	9
29	Evaluating the independent influence of sexual transmission on HBV infection in China: a modeling study. BMC Public Health, 2021, 21, 388.	2.9	9
30	Evaluating the Impact of SARS-CoV-2 Variants on the COVID-19 Epidemic and Social Restoration in the United States: A Mathematical Modelling Study. Frontiers in Public Health, 2021, 9, 801763.	2.7	9
31	Antiviral Efficacy of Molnupiravir for COVID-19 Treatment. Viruses, 2022, 14, 763.	3.3	8
32	Cost-effectiveness of oral pre-exposure prophylaxis and expanded antiretroviral therapy for preventing HIV infections in the presence of drug resistance among men who have sex with men in China: A mathematical modelling study. The Lancet Regional Health - Western Pacific, 2022, 23, 100462.	2.9	8
33	Estimation of the impact of changing drug-use trend on HIV, hepatitis C and syphilis epidemics among people who use synthetic drug-only, polydrug and heroin-only during 2005–2035 in China: modelling study. Sexually Transmitted Infections, 2020, 96, 608-614.	1.9	7
34	The long-term population impact of endoscopic screening programmes on disease burdens of gastric cancer in China: A mathematical modelling study. Journal of Theoretical Biology, 2020, 484, 109996.	1.7	5
35	How to Reduce the Transmission Risk of COVID-19 More Effectively in New York City: An Age-Structured Model Study. Frontiers in Medicine, 2021, 8, 641205.	2.6	5
36	COVID-19 epidemic in New York City: development of an age group-specific mathematical model to predict the outcome of various vaccination strategies. Virology Journal, 2022, 19, 43.	3.4	5

#	ARTICLE	IF	CITATIONS
37	Dynamics of a new HIV model with the activation status of infected cells. Journal of Mathematical Biology, 2021, 82, 51.	1.9	3
38	Potential effect of antiseptic mouthwash on the incidence of Neisseria gonorrhoeae among men who have sex with men: a mathematical modelling study. BMJ Open, 2021, 11, e052823.	1.9	1
39	Prediction of occult tumor progression via platelet RNAs in a mouse melanoma model: a potential new platform for early detection of cancer. Journal of Translational Medicine, 2022, 20, 71.	4.4	1
40	Feasibility of gonorrhoea vaccination among men who have sex with men in England. Lancet Infectious Diseases, The, 2022, 22, 921-923.	9.1	1
41	506Mathematical modelling of the transmission of Neisseria gonorrhoeae in men who have sex with men. International Journal of Epidemiology, 2021, 50, .	1.9	0
42	Modelling the impact of universal influenza vaccines on seasonal influenza with different subtypes. Epidemiology and Infection, 2021, 149, .	2.1	0