

Joseph T Wu

List of Publications by Year in descending order

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112
papers

26,533
citations

57631

44
h-index

24915

109
g-index

129
all docs

129
docs citations

129
times ranked

39947
citing authors

#	ARTICLE	IF	CITATIONS
1	Early Transmission Dynamics in Wuhan, China, of Novel Coronavirus-Infected Pneumonia. <i>New England Journal of Medicine</i> , 2020, 382, 1199-1207.	13.9	12,326
2	Nowcasting and forecasting the potential domestic and international spread of the 2019-nCoV outbreak originating in Wuhan, China: a modelling study. <i>Lancet</i> , The, 2020, 395, 689-697.	6.3	3,681
3	Estimating clinical severity of COVID-19 from the transmission dynamics in Wuhan, China. <i>Nature Medicine</i> , 2020, 26, 506-510.	15.2	1,067
4	Impact assessment of non-pharmaceutical interventions against coronavirus disease 2019 and influenza in Hong Kong: an observational study. <i>Lancet Public Health</i> , The, 2020, 5, e279-e288.	4.7	977
5	Hand, foot, and mouth disease in China, 2008-12: an epidemiological study. <i>Lancet Infectious Diseases</i> , The, 2014, 14, 308-318.	4.6	755
6	First-wave COVID-19 transmissibility and severity in China outside Hubei after control measures, and second-wave scenario planning: a modelling impact assessment. <i>Lancet</i> , The, 2020, 395, 1382-1393.	6.3	703
7	Early transmissibility assessment of the N501Y mutant strains of SARS-CoV-2 in the United Kingdom, October to November 2020. <i>Eurosurveillance</i> , 2021, 26, .	3.9	584
8	Real-time tentative assessment of the epidemiological characteristics of novel coronavirus infections in Wuhan, China, as at 22 January 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	334
9	Serological assays for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), March 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	309
10	Comparative epidemiology of human infections with avian influenza A H7N9 and H5N1 viruses in China: a population-based study of laboratory-confirmed cases. <i>Lancet</i> , The, 2013, 382, 129-137.	6.3	292
11	Preliminary epidemiological assessment of MERS-CoV outbreak in South Korea, May to June 2015. <i>Eurosurveillance</i> , 2015, 20, 7-13.	3.9	270
12	Effect of closure of live poultry markets on poultry-to-person transmission of avian influenza A H7N9 virus: an ecological study. <i>Lancet</i> , The, 2014, 383, 541-548.	6.3	248
13	Community Psychological and Behavioral Responses through the First Wave of the 2009 Influenza A(H1N1) Pandemic in Hong Kong. <i>Journal of Infectious Diseases</i> , 2010, 202, 867-876.	1.9	238
14	Human infection with avian influenza A H7N9 virus: an assessment of clinical severity. <i>Lancet</i> , The, 2013, 382, 138-145.	6.3	235
15	Reducing the Impact of the Next Influenza Pandemic Using Household-Based Public Health Interventions. <i>PLoS Medicine</i> , 2006, 3, e361.	3.9	208
16	School Closure and Mitigation of Pandemic (H1N1) 2009, Hong Kong. <i>Emerging Infectious Diseases</i> , 2010, 16, 538-541.	2.0	206
17	The Infection Attack Rate and Severity of 2009 Pandemic H1N1 Influenza in Hong Kong. <i>Clinical Infectious Diseases</i> , 2010, 51, 1184-1191.	2.9	181
18	Modelling COVID-19. <i>Nature Reviews Physics</i> , 2020, 2, 279-281.	11.9	174

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19	Effect of internationally imported cases on internal spread of COVID-19: a mathematical modelling study. <i>Lancet Public Health</i> , The, 2021, 6, e12-e20.	4.7	153
20	Serology for SARS-CoV-2: Apprehensions, opportunities, and the path forward. <i>Science Immunology</i> , 2020, 5, .	5.6	138
21	Characterizing the dynamics underlying global spread of epidemics. <i>Nature Communications</i> , 2018, 9, 218.	5.8	118
22	Excess Mortality Associated With Influenza A and B Virus in Hong Kong, 1998â€“2009. <i>Journal of Infectious Diseases</i> , 2012, 206, 1862-1871.	1.9	111
23	Comparison of Patients Hospitalized With Influenza A Subtypes H7N9, H5N1, and 2009 Pandemic H1N1. <i>Clinical Infectious Diseases</i> , 2014, 58, 1095-1103.	2.9	108
24	Social contact patterns relevant to the spread of respiratory infectious diseases in Hong Kong. <i>Scientific Reports</i> , 2017, 7, 7974.	1.6	107
25	Hand, Foot, and Mouth Disease in China: Modeling Epidemic Dynamics of Enterovirus Serotypes and Implications for Vaccination. <i>PLoS Medicine</i> , 2016, 13, e1001958.	3.9	106
26	Epidemiological Characteristics of 2009 (H1N1) Pandemic Influenza Based on Paired Sera from a Longitudinal Community Cohort Study. <i>PLoS Medicine</i> , 2011, 8, e1000442.	3.9	103
27	Evaluation of a SARS-CoV-2 Surrogate Virus Neutralization Test for Detection of Antibody in Human, Canine, Cat, and Hamster Sera. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	1.8	102
28	Case Fatality Risk of Influenza A (H1N1pdm09). <i>Epidemiology</i> , 2013, 24, 830-841.	1.2	96
29	Modeling and Analysis of a Virus that Replicates Selectively in Tumor Cells. <i>Bulletin of Mathematical Biology</i> , 2001, 63, 731-768.	0.9	92
30	Infection Fatality Risk of the Pandemic A(H1N1)2009 Virus in Hong Kong. <i>American Journal of Epidemiology</i> , 2013, 177, 834-840.	1.6	83
31	Interventions to reduce zoonotic and pandemic risks from avian influenza in Asia. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 252-258.	4.6	75
32	Hedging against Antiviral Resistance during the Next Influenza Pandemic Using Small Stockpiles of an Alternative Chemotherapy. <i>PLoS Medicine</i> , 2009, 6, e1000085.	3.9	72
33	Detection of mild to moderate influenza A/H7N9 infection by China's national sentinel surveillance system for influenza-like illness: case series. <i>BMJ</i> , The, 2013, 346, f3693-f3693.	3.0	72
34	Fractional dosing of yellow fever vaccine to extend supply: a modelling study. <i>Lancet</i> , The, 2016, 388, 2904-2911.	6.3	72
35	Analysis of a three-way race between tumor growth, a replication-competent virus and an immune response. <i>Bulletin of Mathematical Biology</i> , 2004, 66, 605-625.	0.9	68
36	Optimizing the Dose of Pre-Pandemic Influenza Vaccines to Reduce the Infection Attack Rate. <i>PLoS Medicine</i> , 2007, 4, e218.	3.9	68

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37	Real-time tracking and prediction of COVID-19 infection using digital proxies of population mobility and mixing. <i>Nature Communications</i> , 2021, 12, 1501.	5.8	67
38	Impacts of the Coronavirus 2019 Pandemic on Gastrointestinal Endoscopy Volume and Diagnosis of Gastric and Colorectal Cancers: A Population-Based Study. <i>Gastroenterology</i> , 2020, 159, 1164-1166.e3.	0.6	66
39	Comparison of incubation period distribution of human infections with MERS-CoV in South Korea and Saudi Arabia. <i>Scientific Reports</i> , 2016, 6, 35839.	1.6	59
40	Estimating Infection Attack Rates and Severity in Real Time during an Influenza Pandemic: Analysis of Serial Cross-Sectional Serologic Surveillance Data. <i>PLoS Medicine</i> , 2011, 8, e1001103.	3.9	58
41	Dynamic optimization of a linear-quadratic model with incomplete repair and volume-dependent sensitivity and repopulation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 47, 1073-1083.	0.4	57
42	Association between Severity of MERS-CoV Infection and Incubation Period. <i>Emerging Infectious Diseases</i> , 2016, 22, 526-528.	2.0	55
43	Brief Report. <i>Epidemiology</i> , 2015, 26, 666-669.	1.2	54
44	Effects of adjusting public health, travel, and social measures during the roll-out of COVID-19 vaccination: a modelling study. <i>Lancet Public Health</i> , The, 2021, 6, e674-e682.	4.7	53
45	Acceptability and uptake of female adolescent HPV vaccination in Hong Kong: A survey of mothers and adolescents. <i>Vaccine</i> , 2013, 32, 78-84.	1.7	51
46	Poultry Market Closures and Human Infection with Influenza A(H7N9) Virus, China, 2013-14. <i>Emerging Infectious Diseases</i> , 2014, 20, 1891-1894.	2.0	51
47	Optimization of Influenza Vaccine Selection. <i>Operations Research</i> , 2005, 53, 456-476.	1.2	50
48	The economic burden of influenza-associated outpatient visits and hospitalizations in China: a retrospective survey. <i>Infectious Diseases of Poverty</i> , 2015, 4, 44.	1.5	48
49	Inferring Influenza Infection Attack Rate from Seroprevalence Data. <i>PLoS Pathogens</i> , 2014, 10, e1004054.	2.1	46
50	Human Exposure to Live Poultry and Psychological and Behavioral Responses to Influenza A(H7N9), China. <i>Emerging Infectious Diseases</i> , 2014, 20, 1296-305.	2.0	45
51	Spatial considerations for the allocation of pre-pandemic influenza vaccination in the United States. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2811-2817.	1.2	44
52	Routine Pediatric Enterovirus 71 Vaccination in China: a Cost-Effectiveness Analysis. <i>PLoS Medicine</i> , 2016, 13, e1001975.	3.9	39
53	Logistical feasibility and potential benefits of a population-wide passive-immunotherapy program during an influenza pandemic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3269-3274.	3.3	36
54	Social contact patterns and implications for infectious disease transmission – a systematic review and meta-analysis of contact surveys. <i>ELife</i> , 2021, 10, .	2.8	36

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55	From a Sprint to a Marathon in Hong Kong. <i>New England Journal of Medicine</i> , 2020, 382, e45.	13.9	34
56	A Territorywide Prevalence Study on Blood-Borne and Enteric Viral Hepatitis in Hong Kong. <i>Journal of Infectious Diseases</i> , 2019, 219, 1924-1933.	1.9	32
57	Nowcasting epidemics of novel pathogens: lessons from COVID-19. <i>Nature Medicine</i> , 2021, 27, 388-395.	15.2	32
58	Seroprevalence of Enterovirus 71 Antibody Among Children in China. <i>Pediatric Infectious Disease Journal</i> , 2015, 34, 1399-1406.	1.1	31
59	Economic costs and health-related quality of life for hand, foot and mouth disease (HFMD) patients in China. <i>PLoS ONE</i> , 2017, 12, e0184266.	1.1	31
60	The impact of influenza on the health related quality of life in China: an EQ-5D survey. <i>BMC Infectious Diseases</i> , 2017, 17, 686.	1.3	31
61	Scarlet Fever Outbreak, Hong Kong, 2011. <i>Emerging Infectious Diseases</i> , 2012, 18, 1700-1702.	2.0	30
62	Effects of nucleoside analogue prescription for hepatitis B on the incidence of liver cancer in Hong Kong: a territory-wide ecological study. <i>Alimentary Pharmacology and Therapeutics</i> , 2017, 45, 501-509.	1.9	30
63	Waning antibody levels after COVID-19 vaccination with mRNA Comirnaty and inactivated CoronaVac vaccines in blood donors, Hong Kong, April 2020 to October 2021. <i>Eurosurveillance</i> , 2022, 27, .	3.9	30
64	The use of mathematical models to inform influenza pandemic preparedness and response. <i>Experimental Biology and Medicine</i> , 2011, 236, 955-961.	1.1	28
65	Data science approaches to confronting the COVID-19 pandemic: a narrative review. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210127.	1.6	28
66	Chinese immigrant parents' vaccination decision making for children: a qualitative analysis. <i>BMC Public Health</i> , 2014, 14, 133.	1.2	27
67	Monitoring the fitness of antiviral-resistant influenza strains during an epidemic: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , The, 2017, 17, 339-347.	4.6	27
68	Genomic epidemiology of SARS-CoV-2 under an elimination strategy in Hong Kong. <i>Nature Communications</i> , 2022, 13, 736.	5.8	26
69	Cost-benefit analysis of vaccination: a comparative analysis of eight approaches for valuing changes to mortality and morbidity risks. <i>BMC Medicine</i> , 2018, 16, 139.	2.3	24
70	Cost-effectiveness of introducing national seasonal influenza vaccination for adults aged 60 years and above in mainland China: a modelling analysis. <i>BMC Medicine</i> , 2020, 18, 90.	2.3	24
71	Determinants of physical, mental and social well-being: a longitudinal environment-wide association study. <i>International Journal of Epidemiology</i> , 2020, 49, 380-389.	0.9	23
72	Clinical severity of human infections with avian influenza A(H7N9) virus, China, 2013/14. <i>Eurosurveillance</i> , 2014, 19, .	3.9	22

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73	Excess mortality impact of two epidemics of pandemic influenza A(H1N1pdm09) virus in Hong Kong. Influenza and Other Respiratory Viruses, 2014, 8, 1-7.	1.5	21
74	Geographically weighted temporally correlated logistic regression model. Scientific Reports, 2018, 8, 1417.	1.6	21
75	Psychosocial determinants of Chinese parental HPV vaccination intention for adolescent girls: preventing cervical cancer. Psycho-Oncology, 2015, 24, 1233-1240.	1.0	20
76	Responses to Threat of Influenza A(H7N9) and Support for Live Poultry Markets, Hong Kong, 2013. Emerging Infectious Diseases, 2014, 20, 882-886.	2.0	18
77	Managing waning vaccine protection against SARS-CoV-2 variants. Lancet, The, 2022, 399, 2-3.	6.3	18
78	Population Serologic Immunity to Human and Avian H2N2 Viruses in the United States and Hong Kong for Pandemic Risk Assessment. Journal of Infectious Diseases, 2018, 218, 1054-1060.	1.9	17
79	The allocation of COVID-19 vaccines and antivirals against emerging SARS-CoV-2 variants of concern in East Asia and Pacific region: A modelling study. The Lancet Regional Health - Western Pacific, 2022, 21, 100389.	1.3	16
80	Estimating the transmission advantage of the D614G mutant strain of SARS-CoV-2, December 2019 to June 2020. Eurosurveillance, 2021, 26, .	3.9	16
81	Surveillance of Rodent Pests for SARS-CoV-2 and Other Coronaviruses, Hong Kong. Emerging Infectious Diseases, 2022, 28, 467-470.	2.0	15
82	A mathematical model of the impact of infused targeted cytotoxic agents on brain tumours: implications for detection, design and delivery. Cell Proliferation, 2002, 35, 343-361.	2.4	14
83	Simultaneously characterizing the comparative economics of routine female adolescent nonavalent human papillomavirus (HPV) vaccination and assortativity of sexual mixing in Hong Kong Chinese: a modeling analysis. BMC Medicine, 2018, 16, 127.	2.3	14
84	No Detectable Surge in SARS-CoV-2 Transmission Attributable to the April 7, 2020 Wisconsin Election. American Journal of Public Health, 2020, 110, 1169-1170.	1.5	14
85	Live Poultry Exposure and Public Response to Influenza A(H7N9) in Urban and Rural China during Two Epidemic Waves in 2013-2014. PLoS ONE, 2015, 10, e0137831.	1.1	14
86	Hong Kong Chinese Women's Lay Beliefs about Cervical Cancer Causation and Prevention. Asian Pacific Journal of Cancer Prevention, 2014, 15, 7679-7686.	0.5	14
87	Analysis of heterogeneous dengue transmission in Guangdong in 2014 with multivariate time series model. Scientific Reports, 2016, 6, 33755.	1.6	13
88	A global assessment of the impact of school closure in reducing COVID-19 spread. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210124.	1.6	13
89	Predicting Future Blood Demand from Thalassemia Major Patients in Hong Kong. PLoS ONE, 2013, 8, e81846.	1.1	11
90	Evidence for the Efficacy of Bright Light Therapy for Bipolar Depression. American Journal of Psychiatry, 2018, 175, 905-906.	4.0	11

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91	The epidemiological and public health research response to 2009 pandemic influenza A(H1N1): experiences from Hong Kong. <i>Influenza and Other Respiratory Viruses</i> , 2013, 7, 367-382.	1.5	10
92	Cost-effectiveness of bivalent versus monovalent vaccines against hand, foot and mouth disease. <i>Clinical Microbiology and Infection</i> , 2020, 26, 373-380.	2.8	10
93	Divergent trends of hospitalizations for upper and lower gastrointestinal bleeding based on population prescriptions of aspirin, proton pump inhibitors and <i>Helicobacter pylori</i> eradication therapy. <i>United European Gastroenterology Journal</i> , 2021, 9, 543-551.	1.6	10
94	Detecting Anomalies in Time-Varying Networks Using Tensor Decomposition. , 2015, , .		9
95	Public risk perception and attitudes towards live poultry markets before and after their closure due to influenza A(H7N9), Hong Kong, January–February 2014. <i>Journal of Public Health</i> , 2016, 38, 34-43.	1.0	9
96	Understanding Australia's influenza pandemic policy on the strategic use of the antiviral drug stockpile. <i>Medical Journal of Australia</i> , 2009, 191, 136-137.	0.8	7
97	Preexisting Antibody-Dependent Cellular Cytotoxicity–Activating Antibody Responses Are Stable Longitudinally and Cross-reactive Responses Are Not Boosted by Recent Influenza Exposure. <i>Journal of Infectious Diseases</i> , 2016, 214, 1159-1163.	1.9	7
98	The gradual release exit strategy after lockdown against COVID-19. <i>The Lancet Regional Health - Western Pacific</i> , 2020, 1, 100008.	1.3	7
99	Cost-effectiveness of strategies for preventing paediatric lower respiratory infections associated with respiratory syncytial virus in eight Chinese cities. <i>Vaccine</i> , 2021, 39, 5490-5498.	1.7	7
100	Change in moderate alcohol consumption and quality of life: evidence from 2 population-based cohorts. <i>Cmaj</i> , 2019, 191, E753-E760.	0.9	5
101	Cost-effectiveness analysis of the nonavalent human papillomavirus vaccine for the prevention of cervical cancer in Singapore. <i>Vaccine</i> , 2021, 39, 2255-2263.	1.7	5
102	Hand, foot, and mouth disease in mainland China—Authors' reply. <i>Lancet Infectious Diseases</i> , The, 2014, 14, 1042.	4.6	4
103	Coordinating the real-time use of global influenza activity data for better public health planning. <i>Influenza and Other Respiratory Viruses</i> , 2020, 14, 105-110.	1.5	4
104	Quantifying the uncertainty of CovidSim. <i>Nature Computational Science</i> , 2021, 1, 98-99.	3.8	4
105	Surveillance of Rodent Pests for SARS-CoV-2 and Other Coronaviruses, Hong Kong.. <i>Emerging Infectious Diseases</i> , 2022, 28, 467-470.	2.0	4
106	Analysis of potential changes in seriousness of influenza A and B viruses in Hong Kong from 2001 to 2011. <i>Epidemiology and Infection</i> , 2015, 143, 766-771.	1.0	3
107	Assessing the impact of respiratory infections and weather conditions on donor attendance and blood inventory in Hong Kong. <i>Vox Sanguinis</i> , 2019, 114, 137-144.	0.7	3
108	Logistical feasibility and potential benefits of a population-wide passive immunotherapy program during an influenza pandemic. <i>Influenza and Other Respiratory Viruses</i> , 2011, 5, 226-9.	1.5	2

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109	Harnessing the potential of blood donation archives for influenza surveillance and control. PLoS ONE, 2020, 15, e0233605.	1.1	1
110	Pathway-based meta-analysis for partially paired transcriptomics analysis. Research Synthesis Methods, 2020, 11, 123-133.	4.2	0
111	An enhanced machine learning tool for cis eQTL mapping with regularization and confounder adjustments. Genetic Epidemiology, 2020, 44, 798-810.	0.6	0
112	Using Risk Stratification to Optimize Mammography Screening in Chinese Women. JNCI Cancer Spectrum, 2021, 5, pkab060.	1.4	0