

Wan Yang

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

6,203
citations

218677

26
h-index

197818

49
g-index

64
all docs

64
docs citations

64
times ranked

11177
citing authors

#	ARTICLE	IF	CITATIONS
1	Substantial undocumented infection facilitates the rapid dissemination of novel coronavirus (SARS-CoV-2). <i>Science</i> , 2020, 368, 489-493.	12.6	2,940
2	Seasonal Influenza Infections and Cardiovascular Disease Mortality. <i>JAMA Cardiology</i> , 2016, 1, 274.	6.1	289
3	Real-time influenza forecasts during the 2012–2013 season. <i>Nature Communications</i> , 2013, 4, 2837.	12.8	234
4	Concentrations and size distributions of airborne influenza A viruses measured indoors at a health centre, a day-care centre and on aeroplanes. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1176-1184.	3.4	217
5	Relationship between Humidity and Influenza A Viability in Droplets and Implications for Influenza's Seasonality. <i>PLoS ONE</i> , 2012, 7, e46789.	2.5	208
6	Dynamics of Airborne Influenza A Viruses Indoors and Dependence on Humidity. <i>PLoS ONE</i> , 2011, 6, e21481.	2.5	197
7	Estimating the infection-fatality risk of SARS-CoV-2 in New York City during the spring 2020 pandemic wave: a model-based analysis. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 203-212.	9.1	165
8	Mechanisms by Which Ambient Humidity May Affect Viruses in Aerosols. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6781-6788.	3.1	153
9	Comparison of Filtering Methods for the Modeling and Retrospective Forecasting of Influenza Epidemics. <i>PLoS Computational Biology</i> , 2014, 10, e1003583.	3.2	152
10	Inference of seasonal and pandemic influenza transmission dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2723-2728.	7.1	133
11	Forecasting the spatial transmission of influenza in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2752-2757.	7.1	119
12	Operational energy performance assessment system of municipal wastewater treatment plants. <i>Water Science and Technology</i> , 2010, 62, 1361-1370.	2.5	83
13	Results from the second year of a collaborative effort to forecast influenza seasons in the United States. <i>Epidemics</i> , 2018, 24, 26-33.	3.0	83
14	Forecasting Influenza Epidemics in Hong Kong. <i>PLoS Computational Biology</i> , 2015, 11, e1004383.	3.2	83
15	Mathematical models: A key tool for outbreak response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18095-18096.	7.1	78
16	Inference and Forecast of the Current West African Ebola Outbreak in Guinea, Sierra Leone and Liberia. <i>PLOS Currents</i> , 2014, 6, .	1.4	67
17	COVID-19 pandemic dynamics in India, the SARS-CoV-2 Delta variant and implications for vaccination. <i>Journal of the Royal Society Interface</i> , 2022, 19, .	3.4	60
18	UV inactivation and resistance of rotavirus evaluated by integrated cell culture and real-time RT-PCR assay. <i>Water Research</i> , 2009, 43, 3261-3269.	11.3	53

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19	40 Years of Change in Age- and Stage-Specific Cancer Incidence Rates in US Women and Men. JNCI Cancer Spectrum, 2019, 3, pkz038.	2.9	49
20	Monitoring and evaluation of infectious rotaviruses in various wastewater effluents and receiving waters revealed correlation and seasonal pattern of occurrences. Journal of Applied Microbiology, 2011, 110, 1129-1137.	3.1	47
21	Transmission network of the 2014â€“2015 Ebola epidemic in Sierra Leone. Journal of the Royal Society Interface, 2015, 12, 20150536.	3.4	47
22	Evaluation of mechanistic and statistical methods in forecasting influenza-like illness. Journal of the Royal Society Interface, 2018, 15, 20180174.	3.4	43
23	Development of a model-inference system for estimating epidemiological characteristics of SARS-CoV-2 variants of concern. Nature Communications, 2021, 12, 5573.	12.8	36
24	Forecasting Influenza Outbreaks in Boroughs and Neighborhoods of New York City. PLoS Computational Biology, 2016, 12, e1005201.	3.2	35
25	An integrated cell culture and reverse transcription quantitative PCR assay for detection of infectious rotaviruses in environmental waters. Journal of Microbiological Methods, 2010, 82, 59-63.	1.6	33
26	The 1918 influenza pandemic in New York City: age-specific timing, mortality, and transmission dynamics. Influenza and Other Respiratory Viruses, 2014, 8, 177-188.	3.4	30
27	Dynamics of influenza in tropical Africa: Temperature, humidity, and co-circulating (sub)types. Influenza and Other Respiratory Viruses, 2018, 12, 446-456.	3.4	30
28	Effectiveness of non-pharmaceutical interventions to contain COVID-19: a case study of the 2020 spring pandemic wave in New York City. Journal of the Royal Society Interface, 2021, 18, 20200822.	3.4	29
29	Development of a combined immunomagnetic separation and quantitative reverse transcription-PCR assay for sensitive detection of infectious rotavirus in water samples. Journal of Microbiological Methods, 2011, 84, 447-453.	1.6	28
30	Dynamic interactions of influenza viruses in Hong Kong during 1998-2018. PLoS Computational Biology, 2020, 16, e1007989.	3.2	26
31	Modeling influenza seasonality in the tropics and subtropics. PLoS Computational Biology, 2021, 17, e1009050.	3.2	24
32	The use of ambient humidity conditions to improve influenza forecast. PLoS Computational Biology, 2017, 13, e1005844.	3.2	22
33	Type- and Subtype-Specific Influenza Forecast. American Journal of Epidemiology, 2017, 185, 395-402.	3.4	17
34	Geospatial characteristics of measles transmission in China during 2005â€“2014. PLoS Computational Biology, 2017, 13, e1005474.	3.2	17
35	Transmission dynamics of and insights from the 2018â€“2019 measles outbreak in New York City: A modeling study. Science Advances, 2020, 6, eaaz4037.	10.3	17
36	Evaluation of the infectivity, gene and antigenicity persistence of rotaviruses by free chlorine disinfection. Journal of Environmental Sciences, 2011, 23, 1691-1698.	6.1	14

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37	Characteristics of measles epidemics in China (1951-2004) and implications for elimination: A case study of three key locations. PLoS Computational Biology, 2019, 15, e1006806.	3.2	14
38	Impact of Temporary Freeway Closure on Regional Air Quality: A Lesson from Carmageddon in Los Angeles, United States. Environmental Science & Technology, 2015, 49, 3211-3218.	10.0	12
39	Interactions among common non-SARS-CoV-2 respiratory viruses and influence of the COVID-19 pandemic on their circulation in New York City. Influenza and Other Respiratory Viruses, 2022, 16, 653-661.	3.4	12
40	A Spatiotemporal Tool to Project Hospital Critical Care Capacity and Mortality From COVID-19 in US Counties. American Journal of Public Health, 2021, 111, 1113-1122.	2.7	9
41	Age-specific Trends in Colorectal Cancer Incidence for Women and Men, 1935-2017. Gastroenterology, 2021, 161, 1060-1062.e3.	1.3	7
42	Epidemiological characteristics of the B.1.526 SARS-CoV-2 variant. Science Advances, 2022, 8, eabm0300.	10.3	6
43	Transmission dynamics of influenza in two major cities of Uganda. Epidemics, 2018, 24, 43-48.	3.0	5
44	Factors affecting the transmission of SARS-CoV-2 in school settings. Influenza and Other Respiratory Viruses, 2022, 16, 643-652.	3.4	5
45	Emergence, Epidemiology, and Transmission Dynamics of 2009 Pandemic A/H1N1 Influenza in Kampala, Uganda, 2009-2015. American Journal of Tropical Medicine and Hygiene, 2018, 98, 203-206.	1.4	4
46	Viral replication dynamics could critically modulate vaccine effectiveness and should be accounted for when assessing new SARS-CoV-2 variants. Influenza and Other Respiratory Viruses, 2022, 16, 366-367.	3.4	4
47	Do Temporal Trends in Cancer Incidence Reveal Organ System Connections for Cancer Etiology?. Epidemiology, 2020, 31, 595-598.	2.7	2
48	Survival model methods for analyses of cancer incidence trends in young adults. Statistics in Medicine, 2020, 39, 1011-1024.	1.6	2