

Matthew Biggerstaff

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

4,186
citations

159358

30
h-index

174990

52
g-index

63
all docs

63
docs citations

63
times ranked

5845
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimates of the reproduction number for seasonal, pandemic, and zoonotic influenza: a systematic review of the literature. BMC Infectious Diseases, 2014, 14, 480.	1.3	423
2	Estimating the Burden of 2009 Pandemic Influenza A (H1N1) in the United States (April 2009-April 2010). Clinical Infectious Diseases, 2011, 52, S75-S82.	2.9	364
3	Community Mitigation Guidelines to Prevent Pandemic Influenza â€” United States, 2017. MMWR Recommendations and Reports, 2017, 66, 1-34.	26.7	349
4	Update: Influenza Activity in the United States During the 2017â€™18 Season and Composition of the 2018â€™19 Influenza Vaccine. Morbidity and Mortality Weekly Report, 2018, 67, 634-642.	9.0	202
5	A collaborative multiyear, multimodel assessment of seasonal influenza forecasting in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3146-3154.	3.3	199
6	Epidemiology of 2009 Pandemic Influenza A (H1N1) in the United States. Clinical Infectious Diseases, 2011, 52, S13-S26.	2.9	145
7	Outbreak of Variant Influenza A(H3N2) Virus in the United States. Clinical Infectious Diseases, 2013, 57, 1703-1712.	2.9	144
8	Results from the centers for disease control and preventionâ€™s predict the 2013â€™2014 Influenza Season Challenge. BMC Infectious Diseases, 2016, 16, 357.	1.3	144
9	An open challenge to advance probabilistic forecasting for dengue epidemics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24268-24274.	3.3	136
10	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. PLoS Computational Biology, 2019, 15, e1007486.	1.5	119
11	Novel Framework for Assessing Epidemiologic Effects of Influenza Epidemics and Pandemics. Emerging Infectious Diseases, 2013, 19, 85-91.	2.0	111
12	Human Infections With Influenza A(H3N2) Variant Virus in the United States, 2011-2012. Clinical Infectious Diseases, 2013, 57, S4-S11.	2.9	99
13	Update: Influenza Activity in the United States During the 2018â€™19 Season and Composition of the 2019â€™20 Influenza Vaccine. Morbidity and Mortality Weekly Report, 2019, 68, 544-551.	9.0	98
14	Household Transmission of 2009 Influenza A (H1N1) Virus after a Schoolâ€™Based Outbreak in New York City, Aprilâ€™May 2009. Journal of Infectious Diseases, 2010, 201, 984-992.	1.9	96
15	Using â€™outbreak scienceâ€™to strengthen the use of models during epidemics. Nature Communications, 2019, 10, 3102.	5.8	92
16	Collaborative efforts to forecast seasonal influenza in the United States, 2015â€™2016. Scientific Reports, 2019, 9, 683.	1.6	90
17	Evaluating Google Flu Trends in Latin America: Important Lessons for the Next Phase of Digital Disease Detection. Clinical Infectious Diseases, 2017, 64, 34-41.	2.9	88
18	Influenza-like Illness, the Time to Seek Healthcare, and Influenza Antiviral Receipt During the 2010â€™2011 Influenza Seasonâ€™United States. Journal of Infectious Diseases, 2014, 210, 535-544.	1.9	86

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19	Applying infectious disease forecasting to public health: a path forward using influenza forecasting examples. <i>BMC Public Health</i> , 2019, 19, 1659.	1.2	84
20	Results from the second year of a collaborative effort to forecast influenza seasons in the United States. <i>Epidemics</i> , 2018, 24, 26-33.	1.5	83
21	Racial and Ethnic Disparities in Hospitalizations and Deaths Associated with 2009 Pandemic Influenza A (H1N1) Virus Infections in the United States. <i>Annals of Epidemiology</i> , 2011, 21, 623-630.	0.9	81
22	Cost-effectiveness of adult vaccinations: A systematic review. <i>Vaccine</i> , 2019, 37, 226-234.	1.7	79
23	Outbreak of Influenza A (H3N2) Variant Virus Infection among Attendees of an Agricultural Fair, Pennsylvania, USA, 2011. <i>Emerging Infectious Diseases</i> , 2012, 18, 1937-1944.	2.0	71
24	Systematic Assessment of Multiple Routine and Near Real-Time Indicators to Classify the Severity of Influenza Seasons and Pandemics in the United States, 2003–2004 Through 2015–2016. <i>American Journal of Epidemiology</i> , 2018, 187, 1040-1050.	1.6	69
25	Improved state-level influenza nowcasting in the United States leveraging Internet-based data and network approaches. <i>Nature Communications</i> , 2019, 10, 147.	5.8	67
26	Incidence of medically attended influenza during pandemic and post-pandemic seasons through the Influenza Incidence Surveillance Project, 2009–13. <i>Lancet Respiratory Medicine</i> , 2015, 3, 709-718.	5.2	55
27	Self-Reported Influenza-Like Illness and Receipt of Influenza Antiviral Drugs During the 2009 Pandemic, United States, 2009–2010. <i>American Journal of Public Health</i> , 2012, 102, e21-e26.	1.5	48
28	Technology to advance infectious disease forecasting for outbreak management. <i>Nature Communications</i> , 2019, 10, 3932.	5.8	44
29	Recommended reporting items for epidemic forecasting and prediction research: The EPIFORGE 2020 guidelines. <i>PLoS Medicine</i> , 2021, 18, e1003793.	3.9	42
30	Outbreak of Influenza A(H3N2) Variant Virus Infections Among Persons Attending Agricultural Fairs Housing Infected Swine – Michigan and Ohio, July–August 2016. <i>Morbidity and Mortality Weekly Report</i> , 2016, 65, 1157-1160.	9.0	37
31	Improving Pandemic Response: Employing Mathematical Modeling to Confront Coronavirus Disease 2019. <i>Clinical Infectious Diseases</i> , 2022, 74, 913-917.	2.9	36
32	Estimates of the Number of Human Infections With Influenza A(H3N2) Variant Virus, United States, August 2011–April 2012. <i>Clinical Infectious Diseases</i> , 2013, 57, S12-S15.	2.9	33
33	School dismissal as a pandemic influenza response: When, where and for how long?. <i>Epidemics</i> , 2019, 28, 100348.	1.5	32
34	A systematic review and evaluation of Zika virus forecasting and prediction research during a public health emergency of international concern. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007451.	1.3	31
35	Forecasting influenza activity using machine-learned mobility map. <i>Nature Communications</i> , 2021, 12, 726.	5.8	30
36	Estimating the Potential Effects of a Vaccine Program Against an Emerging Influenza Pandemic—United States. <i>Clinical Infectious Diseases</i> , 2015, 60, S20-S29.	2.9	27

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37	Comparing trained and untrained probabilistic ensemble forecasts of COVID-19 cases and deaths in the United States. <i>International Journal of Forecasting</i> , 2023, 39, 1366-1383.	3.9	23
38	Investigation of an Outbreak of Variant Influenza A(H3N2) Virus Infection Associated With an Agricultural Fair—Ohio, August 2012. <i>Journal of Infectious Diseases</i> , 2015, 212, 1592-1599.	1.9	17
39	Influenza-Like Illness in the Community during the Emergence of 2009 Pandemic Influenza A(H1N1) — Survey of 10 States, April 2009. <i>Clinical Infectious Diseases</i> , 2011, 52, S90-S93.	2.9	16
40	A cost-effectiveness analysis of antenatal influenza vaccination among HIV-infected and HIV-uninfected pregnant women in South Africa. <i>Vaccine</i> , 2019, 37, 6874-6884.	1.7	12
41	Reply to Bracher: Scoring probabilistic forecasts to maximize public health interpretability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20811-20812.	3.3	10
42	Identification and evaluation of epidemic prediction and forecasting reporting guidelines: A systematic review and a call for action. <i>Epidemics</i> , 2020, 33, 100400.	1.5	10
43	Healthcare-Seeking Behavior for Respiratory Illness Among Flu Near You Participants in the United States During the 2015–2016 Through 2018–2019 Influenza Seasons. <i>Journal of Infectious Diseases</i> , 2022, 226, 270-277.	1.9	10
44	Text-Based Illness Monitoring for Detection of Novel Influenza A Virus Infections During an Influenza A (H3N2)v Virus Outbreak in Michigan, 2016: Surveillance and Survey. <i>JMIR Public Health and Surveillance</i> , 2019, 5, e10842.	1.2	5
45	Epidemiology of influenza A (H1N1)pdm09-associated deaths in the United States, September–October 2009. <i>Influenza and Other Respiratory Viruses</i> , 2012, 6, e169-77.	1.5	4
46	Antiviral treatment for outpatient use during an influenza pandemic: a decision tree model of outcomes averted and cost-effectiveness. <i>Journal of Public Health</i> , 2019, 41, 379-390.	1.0	4
47	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
48	Estimating the Incidence of Influenza at the State Level — Utah, 2016–17 and 2017–18 Influenza Seasons. <i>Morbidity and Mortality Weekly Report</i> , 2019, 68, 1158-1161.	9.0	2
49	A Model Survey for Assessing 2009 Pandemic Influenza A (H1N1) Virus Disease Burden in the Workplace. <i>Clinical Infectious Diseases</i> , 2011, 52, S173-S176.	2.9	1
50	Nowcasting (Short-Term Forecasting) of Influenza Epidemics in Local Settings, Sweden, 2008–2019. <i>Emerging Infectious Diseases</i> , 2020, 26, 2669-2677.	2.0	1
51	Estimating the number of averted illnesses and deaths as a result of vaccination against an influenza pandemic in nine low- and middle-income countries. <i>Vaccine</i> , 2021, 39, 4219-4230.	1.7	1
52	Notes from the Field: Assessment of State-Level Influenza Season Severity — Minnesota and Utah, 2017–18 Influenza Season. <i>Morbidity and Mortality Weekly Report</i> , 2019, 68, 165-166.	9.0	1
53	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S., 2019, 15, e1007486.		0
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