Matthew Biggerstaff

List of Publications by Year
in descending order

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	Comparing trained and untrained probabilistic ensemble forecasts of COVID-19 cases and deaths in the United States. International Journal of Forecasting, 2023, 39, 1366-1383.	3.9	23
2	Healthcare-Seeking Behavior for Respiratory Illness Among Flu Near You Participants in the United States During the 2015–2016 Through 2018–2019 Influenza Seasons. Journal of Infectious Diseases, 2022, 226, 270-277.	1.9	10
3	Improving Pandemic Response: Employing Mathematical Modeling to Confront Coronavirus Disease 2019. Clinical Infectious Diseases, 2022, 74, 913-917.	2.9	36
4	Forecasting influenza activity using machine-learned mobility map. Nature Communications, 2021, 12, 726.	5.8	30
5	Estimating the number of averted illnesses and deaths as a result of vaccination against an influenza pandemic in nine low- and middle-income countries. Vaccine, 2021, 39, 4219-4230.	1.7	1
6	Recommended reporting items for epidemic forecasting and prediction research: The EPIFORGE 2020 guidelines. PLoS Medicine, 2021, 18, e1003793.	3.9	42
7	Nowcasting (Short-Term Forecasting) of Influenza Epidemics in Local Settings, Sweden, 2008–2019. Emerging Infectious Diseases, 2020, 26, 2669-2677.	2.0	1
8	Identification and evaluation of epidemic prediction and forecasting reporting guidelines: A systematic review and a call for action. Epidemics, 2020, 33, 100400.	1.5	10
9	Coordinating the real‐time use of global influenza activity data for better public health planning. Influenza and Other Respiratory Viruses, 2020, 14, 105-110.	1.5	4
10	Antiviral treatment for outpatient use during an influenza pandemic: a decision tree model of outcomes averted and cost-effectiveness. Journal of Public Health, 2019, 41, 379-390.	1.0	4
11	Using "outbreak science" to strengthen the use of models during epidemics. Nature Communications, 2019, 10, 3102.	5.8	92
12	School dismissal as a pandemic influenza response: When, where and for how long?. Epidemics, 2019, 28, 100348.	1.5	32
13	Technology to advance infectious disease forecasting for outbreak management. Nature Communications, 2019, 10, 3932.	5.8	44
14	A cost-effectiveness analysis of antenatal influenza vaccination among HIV-infected and HIV-uninfected pregnant women in South Africa. Vaccine, 2019, 37, 6874-6884.	1.7	12
15	A systematic review and evaluation of Zika virus forecasting and prediction research during a public health emergency of international concern. PLoS Neglected Tropical Diseases, 2019, 13, e0007451.	1.3	31
16	Collaborative efforts to forecast seasonal influenza in the United States, 2015–2016. Scientific Reports, 2019, 9, 683.	1.6	90
17	Reply to Bracher: Scoring probabilistic forecasts to maximize public health interpretability. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20811-20812.	3.3	10
18	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

#	Article	IF	Citations
19	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. PLoS Computational Biology, 2019, 15, e1007486.	1.5	119
20	Applying infectious disease forecasting to public health: a path forward using influenza forecasting examples. BMC Public Health, 2019, 19, 1659.	1.2	84
21	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
22	Improved state-level influenza nowcasting in the United States leveraging Internet-based data and network approaches. Nature Communications, 2019, 10, 147.	5.8	67
23	Cost-effectiveness of adult vaccinations: A systematic review. Vaccine, 2019, 37, 226-234.	1.7	79
24	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
25	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. JMIR Public Health and Surveillance, 2019, 5, e10842.	1.2	5
26	Notes from the Field: Assessment of State-Level Influenza Season Severity â€" Minnesota and Utah, 2017â€"18 Influenza Season. Morbidity and Mortality Weekly Report, 2019, 68, 165-166.	9.0	1
27	Estimating the Incidence of Influenza at the State Level â€" Utah, 2016â€"17 and 2017â€"18 Influenza Seasons. Morbidity and Mortality Weekly Report, 2019, 68, 1158-1161.	9.0	2
28	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. , 2019, 15, e1007486.		0
29	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. , 2019, 15, e1007486.		0
30	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. , 2019, 15, e1007486.		0
31	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S.. , 2019, 15, e1007486.		0
32	Systematic Assessment of Multiple Routine and Near Real-Time Indicators to Classify the Severity of Influenza Seasons and Pandemics in the United States, 2003â€"2004 Through 2015â€"2016. American Journal of Epidemiology, 2018, 187, 1040-1050.	1.6	69
33	Results from the second year of a collaborative effort to forecast influenza seasons in the United States. Epidemics, 2018, 24, 26-33.	1.5	83
34	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
35	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
36	Community Mitigation Guidelines to Prevent Pandemic Influenza â€" United States, 2017. MMWR Recommendations and Reports, 2017, 66, 1-34.	26.7	349

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37	Results from the centers for disease control and prevention's predict the 2013–2014 Influenza Season Challenge. BMC Infectious Diseases, 2016, 16, 357.	1.3	144
38	Outbreak of Influenza A(H3N2) Variant Virus Infections Among Persons Attending Agricultural Fairs Housing Infected Swine — Michigan and Ohio, July–August 2016. Morbidity and Mortality Weekly Report, 2016, 65, 1157-1160.	9.0	37
39	Investigation of an Outbreak of Variant Influenza A(H3N2) Virus Infection Associated With an Agricultural Fair—Ohio, August 2012. Journal of Infectious Diseases, 2015, 212, 1592-1599.	1.9	17
40	Estimating the Potential Effects of a Vaccine Program Against an Emerging Influenza Pandemic—United States. Clinical Infectious Diseases, 2015, 60, S20-S29.	2.9	27
41	Incidence of medically attended influenza during pandemic and post-pandemic seasons through the Influenza Incidence Surveillance Project, 2009–13. Lancet Respiratory Medicine,the, 2015, 3, 709-718.	5.2	55
42	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
43	Influenza-like Illness, the Time to Seek Healthcare, and Influenza Antiviral Receipt During the 2010–2011 Influenza Season—United States. Journal of Infectious Diseases, 2014, 210, 535-544.	1.9	86
44	Estimates of the Number of Human Infections With Influenza A(H3N2) Variant Virus, United States, August 2011–April 2012. Clinical Infectious Diseases, 2013, 57, S12-S15.	2.9	33
45	Outbreak of Variant Influenza A(H3N2) Virus in the United States. Clinical Infectious Diseases, 2013, 57, 1703-1712.	2.9	144
46	Human Infections With Influenza A(H3N2) Variant Virus in the United States, 2011-2012. Clinical Infectious Diseases, 2013, 57, S4-S11.	2.9	99
47	Novel Framework for Assessing Epidemiologic Effects of Influenza Epidemics and Pandemics. Emerging Infectious Diseases, 2013, 19, 85-91.	2.0	111
48	Self-Reported Influenza-Like Illness and Receipt of Influenza Antiviral Drugs During the 2009 Pandemic, United States, 2009–2010. American Journal of Public Health, 2012, 102, e21-e26.	1.5	48
49	Outbreak of Influenza A (H3N2) Variant Virus Infection among Attendees of an Agricultural Fair, Pennsylvania, USA, 2011. Emerging Infectious Diseases, 2012, 18, 1937-1944.	2.0	71
50	Epidemiology of influenza A (H1N1)pdm09–associated deaths in the United States, September–October 2009. Influenza and Other Respiratory Viruses, 2012, 6, e169-77.	1.5	4
51	Racial and Ethnic Disparities in Hospitalizations and Deaths Associated with 2009 Pandemic Influenza A (H1N1) Virus Infections in the United States. Annals of Epidemiology, 2011, 21, 623-630.	0.9	81
52	Influenza-Like Illness in the Community during the Emergence of 2009 Pandemic Influenza A(H1N1) — Survey of 10 States, April 2009. Clinical Infectious Diseases, 2011, 52, S90-S93.	2.9	16
53	Epidemiology of 2009 Pandemic Influenza A (H1N1) in the United States. Clinical Infectious Diseases, 2011, 52, S13-S26.	2.9	145
54	A Model Survey for Assessing 2009 Pandemic Influenza A (H1N1) Virus Disease Burden in the Workplace. Clinical Infectious Diseases, 2011, 52, S173-S176.	2.9	1

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55	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
56	Household Transmission of 2009 Influenza A (H1N1) Virus after a School‐Based Outbreak in New York City, April–May 2009. Journal of Infectious Diseases, 2010, 201, 984-992.	1.9	96