Jeffrey L Shaman

List of Publications by Citations

195 papers	9,452 citations	43 h-index	94 g-index
218 ext. papers	11,968 ext. citations	8.2 avg, IF	7.23 L-index

#	Paper	IF	Citations
195	Substantial undocumented infection facilitates the rapid dissemination of novel coronavirus (SARS-CoV-2). *Science*, **2020**, 368, 489-493	33.3	2045
194	Absolute humidity modulates influenza survival, transmission, and seasonality. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 3243-8	11.5	651
193	Absolute humidity and the seasonal onset of influenza in the continental United States. *PLoS Biology*, **2010**, 8, e1000316	9.7	420
192	An essential role for HLA-DM in antigen presentation by class II major histocompatibility molecules. *Nature*, **1994**, 368, 551-4	50.4	345
191	Environmental predictors of seasonal influenza epidemics across temperate and tropical climates. *PLoS Pathogens*, **2013**, 9, e1003194	7.6	301
190	Forecasting seasonal outbreaks of influenza. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 20425-30	11.5	261
189	Seasonal Influenza Infections and Cardiovascular Disease Mortality. *JAMA Cardiology*, **2016**, 1, 274-81	16.2	197
188	Real-time influenza forecasts during the 2012-2013 season. *Nature Communications*, **2013**, 4, 2837	17.4	188
187	What factors might have led to the emergence of Ebola in West Africa?. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0003652	4.8	152
186	Absolute humidity and pandemic versus epidemic influenza. *American Journal of Epidemiology*, **2011**, 173, 127-35	3.8	147
185	Drought-induced amplification and epidemic transmission of West Nile virus in southern Florida. *Journal of Medical Entomology*, **2005**, 42, 134-41	2.2	147
184	The Effect of ENSO on Tibetan Plateau Snow Depth: A Stationary Wave Teleconnection Mechanism and Implications for the South Asian Monsoons. *Journal of Climate*, **2005**, 18, 2067-2079	4.4	131
183	Substantial undocumented infection facilitates the rapid dissemination of novel coronavirus (COVID-19) **2020**,		125
182	Differential effects of intervention timing on COVID-19 spread in the United States. *Science Advances*, **2020**, 6,	14.3	123
181	Influenza forecasting in human populations: a scoping review. *PLoS ONE*, **2014**, 9, e94130	3.7	122
180	Comparison of filtering methods for the modeling and retrospective forecasting of influenza epidemics. *PLoS Computational Biology*, **2014**, 10, e1003583	5	114
179	Using a dynamic hydrology model to predict mosquito abundances in flood and swamp water. *Emerging Infectious Diseases*, **2002**, 8, 6-13	10.2	111

178	Results from the centers for disease control and prevention's predict the 2013-2014 Influenza Season Challenge. *BMC Infectious Diseases*, **2016**, 16, 357	4	109
177	Spatial Transmission of 2009 Pandemic Influenza in the US. *PLoS Computational Biology*, **2014**, 10, e1003635	5	103
176	Inference of seasonal and pandemic influenza transmission dynamics. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2723-8	11.5	102
175	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	11.5	99
174	Are big basins just the sum of small catchments?. *Hydrological Processes*, **2004**, 18, 3195-3206	3.3	97
173	Associations Between Built Environment, Neighborhood Socioeconomic Status, and SARS-CoV-2 Infection Among Pregnant Women in New York City. *JAMA - Journal of the American Medical Association*, **2020**, 324, 390-392	27.4	96
172	Mask-wearing and control of SARS-CoV-2 transmission in the USA: a cross-sectional study. *The Lancet Digital Health*, **2021**, 3, e148-e157	14.4	95
171	Estimating the infection-fatality risk of SARS-CoV-2 in New York City during the spring 2020 pandemic wave: a model-based analysis. *Lancet Infectious Diseases, The*, **2021**, 21, 203-212	25.5	94
170	Drought-induced amplification of Saint Louis encephalitis virus, Florida. *Emerging Infectious Diseases*, **2002**, 8, 575-80	10.2	85
169	Intraseasonal Variability of the West African Monsoon and Atlantic ITCZ. *Journal of Climate*, **2008**, 21, 2898-2918	4.4	84
168	Differential Effects of Intervention Timing on COVID-19 Spread in the United States **2020**,		76
167	Predicting indoor heat exposure risk during extreme heat events. *Science of the Total Environment*, **2014**, 490, 686-93	10.2	74
166	Forecasting the spatial transmission of influenza in the United States. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2752-2757	11.5	73
165	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	11.5	64
164	Results from the second year of a collaborative effort to forecast influenza seasons in the United States. *Epidemics*, **2018**, 24, 26-33	5.1	63
163	Forecasting Influenza Epidemics in Hong Kong. *PLoS Computational Biology*, **2015**, 11, e1004383	5	62
162	Will SARS-CoV-2 become endemic?. *Science*, **2020**, 370, 527-529	33.3	61
161	Direct Observation of Repeated Infections With Endemic Coronaviruses. *Journal of Infectious Diseases*, **2021**, 223, 409-415	7	61

160	Opinion: Mathematical models: a key tool for outbreak response. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 18095-6	11.5	56
159	Inference and forecast of the current west african ebola outbreak in Guinea, sierra leone and liberia. *PLOS Currents*, **2014**, 6,		55
158	Reproductive phase locking of mosquito populations in response to rainfall frequency. *PLoS ONE*, **2007**, 2, e331	3.7	54
157	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S. *PLoS Computational Biology*, **2019**, 15, e1007486	5	53
156	Ensemble forecast of human West Nile virus cases and mosquito infection rates. *Nature Communications*, **2017**, 8, 14592	17.4	52
155	Collaborative efforts to forecast seasonal influenza in the United States, 2015-2016. *Scientific Reports*, **2019**, 9, 683	4.9	51
154	Superensemble forecasts of dengue outbreaks. *Journal of the Royal Society Interface*, **2016**, 13,	4.1	50
153	An Atmospheric Teleconnection Linking ENSO and Southwestern European Precipitation. *Journal of Climate*, **2011**, 24, 124-139	4.4	43
152	Efficient collective influence maximization in cascading processes with first-order transitions. *Scientific Reports*, **2017**, 7, 45240	4.9	41
151	Transmission network of the 2014-2015 Ebola epidemic in Sierra Leone. *Journal of the Royal Society Interface*, **2015**, 12,	4.1	41
150	A hydrologically driven model of swamp water mosquito population dynamics. *Ecological Modelling*, **2006**, 194, 395-404	3	39
149	Reappraising the utility of Google Flu Trends. *PLoS Computational Biology*, **2019**, 15, e1007258	5	38
148	St. Louis encephalitis virus in wild birds during the 1990 south Florida epidemic: the importance of drought, wetting conditions, and the emergence of Culex nigripalpus (Diptera: Culicidae) to arboviral amplification and transmission. *Journal of Medical Entomology*, **2003**, 40, 547-54	2.2	37
147	Initial Simulation of SARS-CoV2 Spread and Intervention Effects in the Continental US		37
146	Shortcomings of vitamin D-based model simulations of seasonal influenza. *PLoS ONE*, **2011**, 6, e20743	3.7	33
145	Influenza virus contamination of common household surfaces during the 2009 influenza A (H1N1) pandemic in Bangkok, Thailand: implications for contact transmission. *Clinical Infectious Diseases*, **2010**, 51, 1053-61	11.6	33
144	Placental antibody transfer efficiency and maternal levels: specific for measles, coxsackievirus A16, enterovirus 71, poliomyelitis I-III and HIV-1 antibodies. *Scientific Reports*, **2016**, 6, 38874	4.9	32
143	Ebola: mobility data. *Science*, **2014**, 346, 433	33.3	31

142	Predictors of indoor absolute humidity and estimated effects on influenza virus survival in grade schools. *BMC Infectious Diseases*, **2013**, 13, 71	4	31
141	The El Nino-Southern Oscillation (ENSO)-pandemic influenza connection: coincident or causal?. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110 Suppl 1, 3689-91	11.5	31
140	Hydrologic conditions describe West Nile virus risk in Colorado. *International Journal of Environmental Research and Public Health*, **2010**, 7, 494-508	4.6	31
139	The Seasonal Effects of ENSO on European Precipitation: Observational Analysis. *Journal of Climate* , **2014**, 27, 6423-6438	4.4	30
138	Air–Sea Fluxes over the Gulf Stream Region: Atmospheric Controls and Trends. *Journal of Climate*, **2010**, 23, 2651-2670	4.4	30
137	Conjunction of factors triggering waves of seasonal influenza. *ELife*, **2018**, 7,	8.9	30
136	Forecasting Influenza Outbreaks in Boroughs and Neighborhoods of New York City. *PLoS Computational Biology*, **2016**, 12, e1005201	5	30
135	arcasHLA: high-resolution HLA typing from RNAseq. *Bioinformatics*, **2020**, 36, 33-40	7.2	30
134	Individual versus superensemble forecasts of seasonal influenza outbreaks in the United States. *PLoS Computational Biology*, **2017**, 13, e1005801	5	29
133	Flattening the curve before it flattens us: hospital critical care capacity limits and mortality from novel coronavirus (SARS-CoV2) cases in US counties		29
132	Role of meteorological factors in the transmission of SARS-CoV-2 in the United States. *Nature Communications*, **2021**, 12, 3602	17.4	29
131	Evaluation of mechanistic and statistical methods in forecasting influenza-like illness. *Journal of the Royal Society Interface*, **2018**, 15,	4.1	28
130	The Dynamics of the ENSO–Atlantic Hurricane Teleconnection: ENSO-Related Changes to the North African–Asian Jet Affect Atlantic Basin Tropical Cyclogenesis. *Journal of Climate*, **2009**, 22, 2458-2482	4.4	28
129	Achieving operational hydrologic monitoring of mosquitoborne disease. *Emerging Infectious Diseases*, **2005**, 11, 1343-50	10.2	28
128	Compound Risks of Hurricane Evacuation Amid the COVID-19 Pandemic in the United States. *GeoHealth*, **2020**, 4, e2020GH000319	5	27
127	Differential COVID-19 case positivity in New York City neighborhoods: Socioeconomic factors and mobility. *Influenza and Other Respiratory Viruses*, **2021**, 15, 209-217	5.6	27
126	Asymptomatic Shedding of Respiratory Virus among an Ambulatory Population across Seasons. *MSphere*, **2018**, 3,	5	26
125	Mechanisms Governing the Development of the North Atlantic Warming Hole in the CESM-LE Future Climate Simulations. *Journal of Climate*, **2018**, 31, 5927-5946	4.4	26

124	Longitudinal active sampling for respiratory viral infections across age groups. *Influenza and Other Respiratory Viruses*, **2019**, 13, 226-232	5.6	26
123	Technology to advance infectious disease forecasting for outbreak management. *Nature Communications*, **2019**, 10, 3932	17.4	25
122	Impacts of the North Atlantic Warming Hole in Future Climate Projections: Mean Atmospheric Circulation and the North Atlantic Jet. *Journal of Climate*, **2019**, 32, 2673-2689	4.4	25
121	Remote Forcing versus Local Feedback of East Pacific Intraseasonal Variability during Boreal Summer. *Journal of Climate*, **2013**, 26, 3575-3596	4.4	25
120	Fostering advances in interdisciplinary climate science. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110 Suppl 1, 3653-6	11.5	25
119	Counteracting structural errors in ensemble forecast of influenza outbreaks. *Nature Communications*, **2017**, 8, 925	17.4	24
118	Asymptomatic Summertime Shedding of Respiratory Viruses. *Journal of Infectious Diseases*, **2018**, 217, 1074-1077	7	24
117	Projection of COVID-19 Cases and Deaths in the US as Individual States Re-open May 4, 2020		24
116	Burden and characteristics of COVID-19 in the United States during 2020. *Nature*, **2021**, 598, 338-341	50.4	24
115	Subregional Nowcasts of Seasonal Influenza Using Search Trends. *Journal of Medical Internet Research*, **2017**, 19, e370	7.6	23
114	Hydrometeorology and flood pulse dynamics drive diarrheal disease outbreaks and increase vulnerability to climate change in surface-water-dependent populations: A retrospective analysis. *PLoS Medicine*, **2018**, 15, e1002688	11.6	23
113	Indoor temperature and humidity in New York City apartments during winter. *Science of the Total Environment*, **2017**, 583, 29-35	10.2	22
112	Assessment of Climate-Health Curricula at International Health Professions Schools. *JAMA Network Open*, **2020**, 3, e206609	10.4	22
111	Dynamics of influenza in tropical Africa: Temperature, humidity, and co-circulating (sub)types. *Influenza and Other Respiratory Viruses*, **2018**, 12, 446-456	5.6	22
110	Seasonal forecast of St. Louis encephalitis virus transmission, Florida. *Emerging Infectious Diseases*, **2004**, 10, 802-9	10.2	21
109	Retrospective Parameter Estimation and Forecast of Respiratory Syncytial Virus in the United States. *PLoS Computational Biology*, **2016**, 12, e1005133	5	21
108	The Need for Climate and Health Education. *American Journal of Public Health*, **2018**, 108, S66-S67	5.1	20
107	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the US		20

106	Inference and control of the nosocomial transmission of methicillin-resistant. *ELife*, **2018**, 7,	8.9	19
105	Meteorological and hydrological influences on the spatial and temporal prevalence of West Nile virus in Culex mosquitoes, Suffolk County, New York. *Journal of Medical Entomology*, **2011**, 48, 867-75	2.2	18
104	Health symptoms in relation to temperature, humidity, and self-reported perceptions of climate in New York City residential environments. *International Journal of Biometeorology*, **2017**, 61, 1209-1220	3.7	17
103	The 1918 influenza pandemic in New York City: age-specific timing, mortality, and transmission dynamics. *Influenza and Other Respiratory Viruses*, **2014**, 8, 177-88	5.6	16
102	Local environmental and meteorological conditions influencing the invasive mosquito Ae. albopictus and arbovirus transmission risk in New York City. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005828	4.8	16
101	Development and validation of a climate-based ensemble prediction model for West Nile Virus infection rates in Culex mosquitoes, Suffolk County, New York. *Parasites and Vectors*, **2016**, 9, 443	4	16
100	Rotavirus Gastroenteritis Infection Among Children Vaccinated and Unvaccinated With Rotavirus Vaccine in Southern China: A Population-Based Assessment. *JAMA Network Open*, **2018**, 1, e181382	10.4	16
99	Development and validation of influenza forecasting for 64 temperate and tropical countries. *PLoS Computational Biology*, **2019**, 15, e1006742	5	14
98	Near-term forecasts of influenza-like illness: An evaluation of autoregressive time series approaches. *Epidemics*, **2019**, 27, 41-51	5.1	14
97	The use of ambient humidity conditions to improve influenza forecast. *PLoS Computational Biology*, **2017**, 13, e1005844	5	14
96	Assessing the Use of Influenza Forecasts and Epidemiological Modeling in Public Health Decision Making in the United States. *Scientific Reports*, **2018**, 8, 12406	4.9	14
95	Impact of School Cycles and Environmental Forcing on the Timing of Pandemic Influenza Activity in Mexican States, May-December 2009. *PLoS Computational Biology*, **2015**, 11, e1004337	5	14
94	Use of temperature to improve West Nile virus forecasts. *PLoS Computational Biology*, **2018**, 14, e1006047	5	14
93	Two longterm studies of seasonal variation in depressive symptoms among community participants. *Journal of Affective Disorders*, **2013**, 151, 837-42	6.6	13
92	Meteorological variability and infectious disease in Central Africa: a review of meteorological data quality. *Annals of the New York Academy of Sciences*, **2016**, 1382, 31-43	6.5	13
91	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2113561119	11.5	13
90	Simulation of four respiratory viruses and inference of epidemiological parameters. *Infectious Disease Modelling*, **2018**, 3, 23-34	15.7	12
89	Direct observation of repeated infections with endemic coronaviruses		12

88	Geospatial characteristics of measles transmission in China during 2005-2014. *PLoS Computational Biology*, **2017**, 13, e1005474	5	11
87	Superensemble forecast of respiratory syncytial virus outbreaks at national, regional, and state levels in the United States. *Epidemics*, **2019**, 26, 1-8	5.1	11
86	Type- and Subtype-Specific Influenza Forecast. *American Journal of Epidemiology*, **2017**, 185, 395-402	3.8	11
85	Complex Wavenumber Rossby Wave Ray Tracing. *Journals of the Atmospheric Sciences*, **2012**, 69, 2112-2133	2.1	11
84	A Local Forecast of Land Surface Wetness Conditions Derived from Seasonal Climate Predictions. *Journal of Hydrometeorology*, **2003**, 4, 611-626	3.7	11
83	Improved Discrimination of Influenza Forecast Accuracy Using Consecutive Predictions. *PLOS Currents*, **2015**, 7,		11
82	COVID-19 pandemic dynamics in India, the SARS-CoV-2 Delta variant, and implications for vaccination **2021**,		11
81	The spatial-temporal distribution of drought, wetting, and human cases of St. Louis encephalitis in southcentral Florida. *American Journal of Tropical Medicine and Hygiene*, **2004**, 71, 251-61	3.2	11
80	Heat-coping strategies and bedroom thermal satisfaction in New York City. *Science of the Total Environment*, **2017**, 574, 1217-1231	10.2	10
79	The Seasonal Effects of ENSO on Atmospheric Conditions Associated with European Precipitation: Model Simulations of Seasonal Teleconnections. *Journal of Climate*, **2014**, 27, 1010-1028	4.4	10
78	Severe winter freezes enhance St. Louis encephalitis virus amplification and epidemic transmission in peninsular Florida. *Journal of Medical Entomology*, **2009**, 46, 1498-506	2.2	10
77	Analysis of HLA-DMB mutants and -DMB genomic structure. *Immunogenetics*, **1995**, 41, 117-24	3.2	10
76	El Niño-Southern oscillation and under-5 diarrhea in Botswana. *Nature Communications*, **2019**, 10, 5798	17.4	10
75	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	4.1	10
74	Mask Wearing and Control of SARS-CoV-2 Transmission in the United States **2020**,		9
73	Predicting dengue outbreaks at neighbourhood level using human mobility in urban areas. *Journal of the Royal Society Interface*, **2020**, 17, 20200691	4.1	9
72	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	5	8
71	The Future of Careers at the Intersection of Climate Change and Public Health: What Can Job Postings and an Employer Survey Tell Us?. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	8

70	Association of spring-summer hydrology and meteorology with human West Nile virus infection in West Texas, USA, 2002-2016. *Parasites and Vectors*, **2018**, 11, 224	4	8
69	Development of a model-inference system for estimating epidemiological characteristics of SARS-CoV-2 variants of concern. *Nature Communications*, **2021**, 12, 5573	17.4	8
68	SARS-CoV-2 transmission dynamics in South Africa and epidemiological characteristics of the Omicron variant. **2021**,		7
67	Forecasting influenza in Europe using a metapopulation model incorporating cross-border commuting and air travel. *PLoS Computational Biology*, **2020**, 16, e1008233	5	7
66	Estimating the infection fatality risk of COVID-19 in New York City during the spring 2020 pandemic wave		7
65	COVID-19 Transmission Dynamics and Effectiveness of Public Health Interventions in New York City during the 2020 Spring Pandemic Wave		7
64	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	11.5	7
63	Spatiotemporal clustering of suicides in the US from 1999 to 2016: a spatial epidemiological approach. *Social Psychiatry and Psychiatric Epidemiology*, **2019**, 54, 1471-1482	4.5	6
62	Improved forecasts of influenza-associated hospitalization rates with Google Search Trends. *Journal of the Royal Society Interface*, **2019**, 16, 20190080	4.1	6
61	Influenza transmission during extreme indoor conditions in a low-resource tropical setting. *International Journal of Biometeorology*, **2017**, 61, 613-622	3.7	6
60	Impact of the North Atlantic Warming Hole on Sensible Weather. *Journal of Climate*, **2020**, 33, 4255-4271	4.4	6
59	Direct Measurement of Rates of Asymptomatic Infection and Clinical Care-Seeking for Seasonal Coronavirus		6
58	Influenza forecast optimization when using different surveillance data types and geographic scale. *Influenza and Other Respiratory Viruses*, **2018**, 12, 755-764	5.6	5
57	Shortcomings in climate model simulations of the ENSO-Atlantic hurricane teleconnection. *Climate Dynamics*, **2012**, 38, 1973-1988	4.2	5
56	An Ensemble Seasonal Forecast of Human Cases of St. Louis Encephalitis in Florida Based on Seasonal Hydrologic Forecasts. *Climatic Change*, **2006**, 75, 495-511	4.5	5
55	Aggregating forecasts of multiple respiratory pathogens supports more accurate forecasting of influenza-like illness. *PLoS Computational Biology*, **2020**, 16, e1008301	5	5
54	Age, period, and cohort effects on suicide death in the United States from 1999 to 2018: moderation by sex, race, and firearm involvement. *Molecular Psychiatry*, **2021**, 26, 3374-3382	15.1	5
53	The Superposition of Eastward and Westward Rossby Waves in Response to Localized Forcing. *Journal of Climate*, **2016**, 29, 7547-7557	4.4	5

52	Social distancing remains key during vaccinations. *Science*, **2021**, 371, 473-474	33.3	5
51	Quantifying the Impact of COVID-19 Nonpharmaceutical Interventions on Influenza Transmission in the United States. *Journal of Infectious Diseases*, **2021**, 224, 1500-1508	7	5
50	Pathobiological features favouring the intercontinental dissemination of highly pathogenic avian influenza virus. *Royal Society Open Science*, **2019**, 6, 190276	3.3	4
49	Predictability in process-based ensemble forecast of influenza. *PLoS Computational Biology*, **2019**, 15, e1006783	5	4
48	Strategies for controlling the epizootic amplification of arboviruses. *Journal of Medical Entomology*, **2011**, 48, 1189-96	2.2	4
47	Role of air temperature and humidity in the transmission of SARS-CoV-2 in the United States **2020**,		4
46	The importance of continued non-pharmaceutical interventions during the upcoming SARS-COV-2 vaccination campaign		4
45	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	5.1	4
44	Overall burden and characteristics of COVID-19 in the United States during 2020		4
43	Teleconnection between the South Atlantic convergence zone and the southern Indian Ocean: Implications for tropical cyclone activity. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 728-740	4.4	3
42	Modeling and Surveillance of Reporting Delays of Mosquitoes and Humans Infected With West Nile Virus and Associations With Accuracy of West Nile Virus Forecasts. *JAMA Network Open*, **2019**, 2, e193175	10.4	3
41	Pandemic preparedness and forecast. *Nature Microbiology*, **2018**, 3, 265-267	26.6	3
40	Transmission dynamics of influenza in two major cities of Uganda. *Epidemics*, **2018**, 24, 43-48	5.1	3
39	Inference and forecast of H7N9 influenza in China, 2013 to 2015. *Eurosurveillance*, **2017**, 22,	19.8	3
38	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	3.2	3
37	Ensemble forecast and parameter inference of childhood diarrhea in Chobe District, Botswana. *Epidemics*, **2020**, 30, 100372	5.1	3
36	A framework for evaluating the effects of observational type and quality on vector-borne disease forecast. *Epidemics*, **2020**, 30, 100359	5.1	3
35	Optimizing respiratory virus surveillance networks using uncertainty propagation. *Nature Communications*, **2021**, 12, 222	17.4	3

34	COVID-19 pandemic dynamics in India, the SARS-CoV-2 Delta variant and implications for vaccination. *Journal of the Royal Society Interface*, **2022**, 19,	4.1	3
33	Pre-vaccination evolution of antibodies among infants 0, 3 and 6months of age: A longitudinal analysis of measles, enterovirus 71 and coxsackievirus 16. *Vaccine*, **2017**, 35, 3817-3822	4.1	2
32	The Impact of Environmental Transmission and Epidemiological Features on the Geographical Translocation of Highly Pathogenic Avian Influenza Virus. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	2
31	Active surveillance documents rates of clinical care seeking due to respiratory illness. *Influenza and Other Respiratory Viruses*, **2020**, 14, 499-506	5.6	2
30	Compound risks of hurricane evacuation amid the COVID-19 pandemic in the United States		2
29	Forecasting seasonal influenza in the U.S.: A collaborative multi-year, multi-model assessment of forecast performance		2
28	Investigating associations between COVID-19 mortality and population-level health and socioeconomic indicators in the United States: A modeling study. *PLoS Medicine*, **2021**, 18, e1003693	11.6	2
27	Role of Firearm Ownership on 2001-2016 Trends in U.S. Firearm Suicide Rates. *American Journal of Preventive Medicine*, **2021**, 61, 795-803	6.1	2
26	Comment on: 'Antibiotic footprint' as a communication tool to aid reduction of antibiotic consumption. *Journal of Antimicrobial Chemotherapy*, **2019**, 74, 3404-3406	5.1	1
25	Do the Tropics Rule? Assessing the State of Tropical Climate Science. *Bulletin of the American Meteorological Society*, **2015**, 96, ES211-ES214	6.1	1
24	Twentieth Century Climate in the New York Hudson Highlands and the Potential Impacts on Eco-Hydrological Processes. *Climatic Change*, **2006**, 75, 455-493	4.5	1
23	The association between early country-level COVID-19 testing capacity and later COVID-19 mortality outcomes. *Influenza and Other Respiratory Viruses*, **2021**,	5.6	1
22	Respiratory viruses in pediatric emergency department patients and their family members. *Influenza and Other Respiratory Viruses*, **2021**, 15, 91-98	5.6	1
21	Impact of SARS-CoV-2 vaccination of children ages 5-11 years on COVID-19 disease burden and resilience to new variants in the United States, November 2021-March 2022: a multi-model study. **2022**,		1
20	Associations between COVID-19 mobility restrictions and economic, mental health, and suicide-related concerns in the US using cellular phone GPS and Google search volume data.. *PLoS ONE*, **2021**, 16, e0260931	3.7	1
19	Contagion and Psychiatric Disorders: The Social Epidemiology of Risk (Comment on The Epidemic of Mental Disorders in Business). *Administrative Science Quarterly*, **2022**, 67, 49-55	8.7	1
18	Socioeconomic Disparities in Severe Acute Respiratory Syndrome Coronavirus 2 Serological Testing and Positivity in New York City. *Open Forum Infectious Diseases*, **2021**, 8, ofab534	1	0
17	Heat stress morbidity among US military personnel: Daily exposure and lagged response (1998-2019).. *International Journal of Biometeorology*, **2022**, 1	3.7	0

16	Reply to Rice and Henderson-Sellers: Survival of the fittest is not always the best option. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E2664	11.5
15	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**,	5.6
14	Forecasting influenza in Europe using a metapopulation model incorporating cross-border commuting and air travel **2020**, 16, e1008233	
13	Forecasting influenza in Europe using a metapopulation model incorporating cross-border commuting and air travel **2020**, 16, e1008233	
12	Forecasting influenza in Europe using a metapopulation model incorporating cross-border commuting and air travel **2020**, 16, e1008233	
11	Forecasting influenza in Europe using a metapopulation model incorporating cross-border commuting and air travel **2020**, 16, e1008233	
10	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S. **2019**, 15, e1007486	
9	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S. **2019**, 15, e1007486	
8	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S. **2019**, 15, e1007486	
7	Accuracy of real-time multi-model ensemble forecasts for seasonal influenza in the U.S. **2019**, 15, e1007486	
6	Aggregating forecasts of multiple respiratory pathogens supports more accurate forecasting of influenza-like illness **2020**, 16, e1008301	
5	Aggregating forecasts of multiple respiratory pathogens supports more accurate forecasting of influenza-like illness **2020**, 16, e1008301	
4	Aggregating forecasts of multiple respiratory pathogens supports more accurate forecasting of influenza-like illness **2020**, 16, e1008301	
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2	Aggregating forecasts of multiple respiratory pathogens supports more accurate forecasting of influenza-like illness **2020**, 16, e1008301	
1	Aggregating forecasts of multiple respiratory pathogens supports more accurate forecasting of influenza-like illness **2020**, 16, e1008301	