Justin Lessler

List of Publications by Year
in descending order

204 papers	22,928 citations	22099 59 h-index	12233 133 g-index
257 all docs	257 docs citations	257 times ranked	33909 citing authors

#	Article	IF	Citations
1	The Incubation Period of Coronavirus Disease 2019 (COVID-19) From Publicly Reported Confirmed Cases: Estimation and Application. Annals of Internal Medicine, 2020, 172, 577-582.	2.0	4,808
2	Epidemiology and transmission of COVID-19 in 391 cases and 1286 of their close contacts in Shenzhen, China: a retrospective cohort study. Lancet Infectious Diseases, The, 2020, 20, 911-919.	4.6	1,550
3	Variation in False-Negative Rate of Reverse Transcriptase Polymerase Chain Reaction–Based SARS-CoV-2 Tests by Time Since Exposure. Annals of Internal Medicine, 2020, 173, 262-267.	2.0	1,202
4	Estimating the burden of SARS-CoV-2 in France. Science, 2020, 369, 208-211.	6.0	880
5	A systematic review of antibody mediated immunity to coronaviruses: kinetics, correlates of protection, and association with severity. Nature Communications, 2020, 11, 4704.	5.8	775
6	Incubation periods of acute respiratory viral infections: a systematic review. Lancet Infectious Diseases, The, 2009, 9, 291-300.	4.6	684
7	Improving propensity score weighting using machine learning. Statistics in Medicine, 2010, 29, 337-346.	0.8	586
8	Modeling infectious disease dynamics in the complex landscape of global health. Science, 2015, 347, aaa4339.	6.0	492
9	Improved inference of time-varying reproduction numbers during infectious disease outbreaks. Epidemics, 2019, 29, 100356.	1.5	399
10	Propensity score estimation: neural networks, support vector machines, decision trees (CART), and meta-classifiers as alternatives to logistic regression. Journal of Clinical Epidemiology, 2010, 63, 826-833.	2.4	355
11	Weight Trimming and Propensity Score Weighting. PLoS ONE, 2011, 6, e18174.	1.1	312
12	Assessing the global threat from Zika virus. Science, 2016, 353, aaf8160.	6.0	311
13	Outbreak of 2009 Pandemic Influenza A (H1N1) at a New York City School. New England Journal of Medicine, 2009, 361, 2628-2636.	13.9	284
14	Interactions between serotypes of dengue highlight epidemiological impact of cross-immunity. Journal of the Royal Society Interface, 2013, 10, 20130414.	1.5	254
15	Countering the Zika epidemic in Latin America. Science, 2016, 353, 353-354.	6.0	250
16	Use of serological surveys to generate key insights into the changing global landscape of infectious disease. Lancet, The, 2016, 388, 728-730.	6.3	213
17	Reconstruction of antibody dynamics and infection histories to evaluate dengue risk. Nature, 2018, 557, 719-723.	13.7	213
18	Association of Race and Age With Survival Among Patients Undergoing Dialysis. JAMA - Journal of the American Medical Association, 2011, 306, 620-6.	3.8	205

#	ARTICLE	IF	CITATIONS
19	The Impact of the Demographic Transition on Dengue in Thailand: Insights from a Statistical Analysis and Mathematical Modeling. PLoS Medicine, 2009, 6, e1000139.	3.9	190
20	Evidence for Antigenic Seniority in Influenza A (H3N2) Antibody Responses in Southern China. PLoS Pathogens, 2012, 8, e1002802.	2.1	184
21	What is Machine Learning? A Primer for the Epidemiologist. American Journal of Epidemiology, 2019, 188, 2222-2239.	1.6	180
22	Reduced vaccination and the risk of measles and other childhood infections post-Ebola. Science, 2015, 347, 1240-1242.	6.0	169
23	HIV Prevention Efforts and Incidence of HIV in Uganda. New England Journal of Medicine, 2017, 377, 2154-2166.	13.9	163
24	Household COVID-19 risk and in-person schooling. Science, 2021, 372, 1092-1097.	6.0	162
25	Estimating the health impact of vaccination against ten pathogens in 98 low-income and middle-income countries from 2000 to 2030: a modelling study. Lancet, The, 2021, 397, 398-408.	6.3	144
26	Incubation Periods of Mosquito-Borne Viral Infections: A Systematic Review. American Journal of Tropical Medicine and Hygiene, 2014, 90, 882-891.	0.6	138
27	Protection against cholera from killed whole-cell oral cholera vaccines: a systematic review and meta-analysis. Lancet Infectious Diseases, The, 2017, 17, 1080-1088.	4.6	138
28	A Clinical Decision Tree to Predict Whether a Bacteremic Patient Is Infected With an Extended-Spectrum β-Lactamase–Producing Organism. Clinical Infectious Diseases, 2016, 63, 896-903.	2.9	137
29	Heterogeneity of the HIV epidemic in agrarian, trading, and fishing communities in Rakai, Uganda: an observational epidemiological study. Lancet HIV,the, 2016, 3, e388-e396.	2.1	136
30	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
31	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.	3.3	136
32	The incubation period of cholera: A systematic review. Journal of Infection, 2013, 66, 432-438.	1.7	134
33	Mapping the burden of cholera in sub-Saharan Africa and implications for control: an analysis of data across geographical scales. Lancet, The, 2018, 391, 1908-1915.	6.3	133
34	Social mixing patterns in rural and urban areas of southern China. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140268.	1.2	132
35	Close encounters of the infectious kind: methods to measure social mixing behaviour. Epidemiology and Infection, 2012, 140, 2117-2130.	1.0	130
36	Estimating the Life Course of Influenza A(H3N2) Antibody Responses from Cross-Sectional Data. PLoS Biology, 2015, 13, e1002082.	2.6	129

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37	Revealing the microscale spatial signature of dengue transmission and immunity in an urban population. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9535-9538.	3.3	126
38	Dengue diversity across spatial and temporal scales: Local structure and the effect of host population size. Science, 2017, 355, 1302-1306.	6.0	126
39	Modeling of Future COVID-19 Cases, Hospitalizations, and Deaths, by Vaccination Rates and Nonpharmaceutical Intervention Scenarios â€" United States, Aprilâ€"September 2021. Morbidity and Mortality Weekly Report, 2021, 70, 719-724.	9.0	126
40	Quantifying seasonal population fluxes driving rubella transmission dynamics using mobile phone data. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11114-11119.	3.3	124
41	Incubation periods of viral gastroenteritis: a systematic review. BMC Infectious Diseases, 2013, 13, 446.	1.3	119
42	Estimating incubation period distributions with coarse data. Statistics in Medicine, 2009, 28, 2769-2784.	0.8	116
43	The Role of Viral Introductions in Sustaining Community-Based HIV Epidemics in Rural Uganda: Evidence from Spatial Clustering, Phylogenetics, and Egocentric Transmission Models. PLoS Medicine, 2014, 11, e1001610.	3.9	114
44	Effectiveness of one dose of oral cholera vaccine in response to an outbreak: a case-cohort study. The Lancet Global Health, 2016, 4, e856-e863.	2.9	114
45	Opportunities and challenges in modeling emerging infectious diseases. Science, 2017, 357, 149-152.	6.0	113
46	How social structures, space, and behaviors shape the spread of infectious diseases using chikungunya as a case study. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13420-13425.	3.3	100
47	The engines of SARS-CoV-2 spread. Science, 2020, 370, 406-407.	6.0	100
48	Unraveling the drivers of MERS-CoV transmission. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9081-9086.	3.3	95
49	Contact tracing performance during the Ebola epidemic in Liberia, 2014-2015. PLoS Neglected Tropical Diseases, 2018, 12, e0006762.	1.3	90
50	The Impact of a One-Dose versus Two-Dose Oral Cholera Vaccine Regimen in Outbreak Settings: A Modeling Study. PLoS Medicine, 2015, 12, e1001867.	3.9	87
51	The Contribution of Social Behaviour to the Transmission of Influenza A in a Human Population. PLoS Pathogens, 2014, 10, e1004206.	2.1	84
52	Times to key events in Zika virus infection and implications for blood donation: a systematic review. Bulletin of the World Health Organization, 2016, 94, 841-849.	1.5	84
53	Mapping vaccination coverage to explore the effects of delivery mechanisms and inform vaccination strategies. Nature Communications, 2019, 10, 1633.	5.8	80
54	What is a Hotspot Anyway?. American Journal of Tropical Medicine and Hygiene, 2017, 96, 1270-1273.	0.6	79

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55	High resolution age-structured mapping of childhood vaccination coverage in low and middle income countries. Vaccine, 2018, 36, 1583-1591.	1.7	78
56	Revisiting Rayong: Shifting Seroprofiles of Dengue in Thailand and Their Implications for Transmission and Control. American Journal of Epidemiology, 2014, 179, 353-360.	1.6	76
57	Clinical and Epidemiological Aspects of Diphtheria: A Systematic Review and Pooled Analysis. Clinical Infectious Diseases, 2020, 71, 89-97.	2.9	76
58	El NiÃ±o and the shifting geography of cholera in Africa. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4436-4441.	3.3	68
59	Insight into the practical performance of RT-PCR testing for SARS-CoV-2 using serological data: a cohort study. Lancet Microbe, The, 2021, 2, e79-e87.	3.4	67
60	The First Use of the Global Oral Cholera Vaccine Emergency Stockpile: Lessons from South Sudan. PLoS Medicine, 2015, 12, e1001901.	3.9	65
61	Simulations for designing and interpreting intervention trials in infectious diseases. BMC Medicine, 2017, 15, 223.	2.3	64
62	Impact of birth rate, seasonality and transmission rate on minimum levels of coverage needed for rubella vaccination. Epidemiology and Infection, 2012, 140, 2290-2301.	1.0	62
63	Insights into household transmission of SARS-CoV-2 from a population-based serological survey. Nature Communications, 2021, 12, 3643.	5.8	61
64	The geography of measles vaccination in the African Great Lakes region. Nature Communications, 2017, 8, 15585.	5.8	60
65	Six challenges in modelling for public health policy. Epidemics, 2015, 10, 93-96.	1.5	59
66	Quantifying HIV transmission flow between high-prevalence hotspots and surrounding communities: a population-based study in Rakai, Uganda. Lancet HIV,the, 2020, 7, e173-e183.	2.1	59
67	Measles elimination: progress, challenges and implications for rubella control. Expert Review of Vaccines, 2013, 12, 917-932.	2.0	58
68	A comparison of hemagglutination inhibition and neutralization assays for characterizing immunity to seasonal influenza A. Influenza and Other Respiratory Viruses, 2016, 10, 518-524.	1.5	57
69	Benefits and Challenges in Using Seroprevalence Data to Inform Models for Measles and Rubella Elimination. Journal of Infectious Diseases, 2018, 218, 355-364.	1.9	57
70	Influenza outbreak control practices and the effectiveness of interventions in longâ€term care facilities: a systematic review. Influenza and Other Respiratory Viruses, 2014, 8, 74-82.	1.5	56
71	Measuring the Performance of Vaccination Programs Using Cross-Sectional Surveys: A Likelihood Framework and Retrospective Analysis. PLoS Medicine, 2011, 8, e1001110.	3.9	54
72	Variation in dengue virus plaque reduction neutralization testing: systematic review and pooled analysis. BMC Infectious Diseases, 2012, 12, 233.	1.3	54

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73	Characterizing the impact of spatial clustering of susceptibility for measles elimination. Vaccine, 2019, 37, 732-741.	1.7	54
74	The potential impact of case-area targeted interventions in response to cholera outbreaks: A modeling study. PLoS Medicine, 2018, 15, e1002509.	3.9	52
75	Urban Cholera Transmission Hotspots and Their Implications for Reactive Vaccination: Evidence from Bissau City, Guinea Bissau. PLoS Neglected Tropical Diseases, 2012, 6, e1901.	1.3	51
76	Transport networks and inequities in vaccination: remoteness shapes measles vaccine coverage and prospects for elimination across Africa. Epidemiology and Infection, 2015, 143, 1457-1466.	1.0	51
77	Prospective forecasts of annual dengue hemorrhagic fever incidence in Thailand, 2010â€"2014. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2175-E2182.	3.3	51
78	Estimating cholera incidence with cross-sectional serology. Science Translational Medicine, 2019, 11, .	5.8	50
79	Lives saved with vaccination for 10 pathogens across 112 countries in a pre-COVID-19 world. ELife, 2021, 10, .	2.8	50
80	Social contacts and the locations in which they occur as risk factors for influenza infection. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140709.	1.2	48
81	Impacts of Zika emergence in Latin America on endemic dengue transmission. Nature Communications, 2019, 10, 5730.	5.8	48
82	Mechanistic Models of Infectious Disease and Their Impact on Public Health. American Journal of Epidemiology, 2016, 183, 415-422.	1.6	46
83	Timescales of influenza A/H3N2 antibody dynamics. PLoS Biology, 2018, 16, e2004974.	2.6	46
84	Transmissibility of swine flu at Fort Dix, 1976. Journal of the Royal Society Interface, 2007, 4, 755-762.	1.5	45
85	Impact of interventions and the incidence of ebola virus disease in Liberiaâ€"implications for future epidemics. Health Policy and Planning, 2017, 32, 205-214.	1.0	45
86	Maximizing and evaluating the impact of test-trace-isolate programs: A modeling study. PLoS Medicine, 2021, 18, e1003585.	3.9	43
87	Variation in season of birth in singleton and multiple births concordant for autism spectrum disorders. Paediatric and Perinatal Epidemiology, 2008, 22, 172-179.	0.8	41
88	Estimating the Severity and Subclinical Burden of Middle East Respiratory Syndrome Coronavirus Infection in the Kingdom of Saudi Arabia. American Journal of Epidemiology, 2016, 183, 657-663.	1.6	41
89	Challenges in Real-Time Prediction of Infectious Disease: A Case Study of Dengue in Thailand. PLoS Neglected Tropical Diseases, 2016, 10, e0004761.	1.3	39
90	Cholera prevention and control in refugee settings: Successes and continued challenges. PLoS Neglected Tropical Diseases, 2019, 13, e0007347.	1.3	37

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91	Location-specific patterns of exposure to recent pre-pandemic strains of influenza A in southern China. Nature Communications, 2011, 2, 423.	5.8	36
92	Synchrony of Sylvatic Dengue Isolations: A Multi-Host, Multi-Vector SIR Model of Dengue Virus Transmission in Senegal. PLoS Neglected Tropical Diseases, 2012, 6, e1928.	1.3	36
93	Seven challenges for model-driven data collection in experimental and observational studies. Epidemics, 2015, 10, 78-82.	1.5	35
94	Measles and the canonical path to elimination. Science, 2019, 364, 584-587.	6.0	35
95	Effect of specific non-pharmaceutical intervention policies on SARS-CoV-2 transmission in the counties of the United States. Nature Communications, 2021, 12, 3560.	5.8	35
96	Migration, hotspots, and dispersal of HIV infection in Rakai, Uganda. Nature Communications, 2020, 11, 976.	5.8	34
97	Estimating Absolute and Relative Case Fatality Ratios from Infectious Disease Surveillance Data. Biometrics, 2012, 68, 598-606.	0.8	33
98	Implications of spatially heterogeneous vaccination coverage for the risk of congenital rubella syndrome in South Africa. Journal of the Royal Society Interface, 2013, 10, 20120756.	1.5	33
99	A scenario modeling pipeline for COVID-19 emergency planning. Scientific Reports, 2021, 11, 7534.	1.6	33
100	Structured models of infectious disease: Inference with discrete data. Theoretical Population Biology, 2012, 82, 275-282.	0.5	32
101	Forty Years of Dengue Surveillance at a Tertiary Pediatric Hospital in Bangkok, Thailand, 1973â€"2012. American Journal of Tropical Medicine and Hygiene, 2016, 94, 1342-1347.	0.6	32
102	A spatial regression model for the disaggregation of areal unit based data to high-resolution grids with application to vaccination coverage mapping. Statistical Methods in Medical Research, 2019, 28, 3226-3241.	0.7	32
103	Declining HIV incidence in subâ€Saharan Africa: a systematic review and metaâ€analysis of empiric data. Journal of the International AIDS Society, 2021, 24, e25818.	1.2	32
104	Seven challenges in modeling vaccine preventable diseases. Epidemics, 2015, 10, 11-15.	1.5	31
105	Case Study in Evaluating Time Series Prediction Models Using the Relative Mean Absolute Error. American Statistician, 2016, 70, 285-292.	0.9	31
106	Genomic diversity of SARS-CoV-2 during early introduction into the Baltimoreâ€"Washington metropolitan area. JCI Insight, 2021, 6, .	2.3	31
107	Estimating Potential Incidence of MERS-CoV Associated with Hajj Pilgrims to Saudi Arabia, 2014. PLOS Currents, 2014, 6, .	1.4	31
108	Generating and Browsing Multiple Taxonomies Over a Document Collection. Journal of Management Information Systems, 2003, 19, 191-212.	2.1	30

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109	Reactive vaccination in the presence of disease hotspots. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141341.	1.2	30
110	Meticillin-resistant Staphylococcus aureus (MRSA) acquisition risk in an endemic neonatal intensive care unit with an active surveillance culture and decolonization programme. Journal of Hospital Infection, 2017, 95, 91-97.	1.4	30
111	Population-Level Effect of Cholera Vaccine on Displaced Populations, South Sudan, 2014. Emerging Infectious Diseases, 2016, 22, 1067-1070.	2.0	29
112	Impact on Epidemic Measles of Vaccination Campaigns Triggered by Disease Outbreaks or Serosurveys: A Modeling Study. PLoS Medicine, 2016, 13, e1002144.	3.9	29
113	Measuring Spatial Dependence for Infectious Disease Epidemiology. PLoS ONE, 2016, 11, e0155249.	1.1	29
114	Micro-Hotspots of Risk in Urban Cholera Epidemics. Journal of Infectious Diseases, 2018, 218, 1164-1168.	1.9	28
115	Balancing Evidence and Uncertainty when Considering Rubella Vaccine Introduction. PLoS ONE, 2013, 8, e67639.	1.1	27
116	Trends in the Mechanistic and Dynamic Modeling of Infectious Diseases. Current Epidemiology Reports, 2016, 3, 212-222.	1.1	27
117	Vibrio cholerae O1 transmission in Bangladesh: insights from a nationally representative serosurvey. Lancet Microbe, The, 2020, 1, e336-e343.	3.4	27
118	Collaborative Hubs: Making the Most of Predictive Epidemic Modeling. American Journal of Public Health, 2022, 112, 839-842.	1.5	27
119	Estimating infectious disease transmission distances using the overall distribution of cases. Epidemics, 2016, 17, 10-18.	1.5	26
120	A methodological comparison of risk scores versus decision trees for predicting drug-resistant infections: A case study using extended-spectrum beta-lactamase (ESBL) bacteremia. Infection Control and Hospital Epidemiology, 2019, 40, 400-407.	1.0	26
121	Achieving coordinated national immunity and cholera elimination in Haiti through vaccination: a modelling study. The Lancet Global Health, 2020, 8, e1081-e1089.	2.9	26
122	Identifying the Probable Timing and Setting of Respiratory Virus Infections. Infection Control and Hospital Epidemiology, 2010, 31, 809-815.	1.0	25
123	The Impact of 3 Years of Targeted Indoor Residual Spraying With Pirimiphos-Methyl on Malaria Parasite Prevalence in a High-Transmission Area of Northern Zambia. American Journal of Epidemiology, 2019, 188, 2120-2130.	1.6	25
124	Epidemiology of Infant Dengue Cases Illuminates Serotype-Specificity in the Interaction between Immunity and Disease, and Changes in Transmission Dynamics. PLoS Neglected Tropical Diseases, 2015, 9, e0004262.	1.3	25
125	The projected impact of geographic targeting of oral cholera vaccination in sub-Saharan Africa: A modeling study. PLoS Medicine, 2019, 16, e1003003.	3.9	23
126	Immune Responses to an Oral Cholera Vaccine in Internally Displaced Persons in South Sudan. Scientific Reports, 2016, 6, 35742.	1.6	22

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127	The use of GPS data loggers to describe the impact of spatio-temporal movement patterns on malaria control in a high-transmission area of northern Zambia. International Journal of Health Geographics, 2019, 18, 19.	1.2	22
128	A Likelihood-Based Approach to Identifying Contaminated Food Products Using Sales Data: Performance and Challenges. PLoS Computational Biology, 2014, 10, e1003692.	1.5	21
129	Revealing Measles Outbreak Risk With a Nested Immunoglobulin G Serosurvey in Madagascar. American Journal of Epidemiology, 2018, 187, 2219-2226.	1.6	21
130	Comparing three basic models for seasonal influenza. Epidemics, 2011, 3, 135-142.	1.5	20
131	Oral cholera vaccine in cholera prevention and control, Malawi. Bulletin of the World Health Organization, 2018, 96, 428-435.	1.5	19
132	The 1918 Influenza Pandemic: Looking Back, Looking Forward. American Journal of Epidemiology, 2018, 187, 2493-2497.	1.6	19
133	High Hepatitis E Seroprevalence Among Displaced Persons in South Sudan. American Journal of Tropical Medicine and Hygiene, 2017, 96, 1296-1301.	0.6	19
134	Quantifying Zika: Advancing the Epidemiology of Zika With Quantitative Models. Journal of Infectious Diseases, 2017, 216, S884-S890.	1.9	18
135	Successive epidemic waves of cholera in South Sudan between 2014 and 2017: a descriptive epidemiological study. Lancet Planetary Health, The, 2020, 4, e577-e587.	5.1	18
136	An Evaluation of Classification Rules Based on Date of Symptom Onset to Identify Health-Care associated Infections. American Journal of Epidemiology, 2007, 166, 1220-1229.	1.6	17
137	Maintaining high rates of measles immunization in Africa. Epidemiology and Infection, 2011, 139, 1039-1049.	1.0	17
138	Demographics, epidemiology and the impact of vaccination campaigns in a measles-free world â€" Can elimination be maintained?. Vaccine, 2017, 35, 1488-1493.	1.7	17
139	Quantifying the Risk and Cost of Active Monitoring for Infectious Diseases. Scientific Reports, 2018, 8, 1093.	1.6	17
140	Risk Factors for Healthcare Personnel Infection With Endemic Coronaviruses (HKU1, OC43, NL63, 229E): Results from the Respiratory Protection Effectiveness Clinical Trial (ResPECT). Clinical Infectious Diseases, 2021, 73, e4428-e4432.	2.9	17
141	Micro-scale Spatial Clustering of Cholera Risk Factors in Urban Bangladesh. PLoS Neglected Tropical Diseases, 2016, 10, e0004400.	1.3	17
142	Tracking Cholera through Surveillance of Oral Rehydration Solution Sales at Pharmacies: Insights from Urban Bangladesh. PLoS Neglected Tropical Diseases, 2015, 9, e0004230.	1.3	16
143	H1N1pdm in the Americas. Epidemics, 2010, 2, 132-138.	1.5	15
144	A global model of malaria climate sensitivity: comparing malaria response to historic climate data based on simulation and officially reported malaria incidence. Malaria Journal, 2012, 11, 331.	0.8	15

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145	Life course exposures continually shape antibody profiles and risk of seroconversion to influenza. PLoS Pathogens, 2020, 16, e1008635.	2.1	15
146	Visualizing Clinical Evidence: Citation Networks for the Incubation Periods of Respiratory Viral Infections. PLoS ONE, 2011, 6, e19496.	1.1	14
147	Rubella vaccination: must not be business as usual. Lancet, The, 2012, 380, 217-218.	6.3	14
148	Comparison of US County-Level Public Health Performance Rankings With County Cluster and National Rankings. JAMA Network Open, 2019, 2, e186816.	2.8	14
149	Risk Factors for Household Vector Abundance Using Indoor CDC Light Traps in a High Malaria Transmission Area of Northern Zambia. American Journal of Tropical Medicine and Hygiene, 2019, 101, 126-136.	0.6	14
150	An open source tool to infer epidemiological and immunological dynamics from serological data: serosolver. PLoS Computational Biology, 2020, 16, e1007840.	1.5	13
151	What Now? Epidemiology in the Wake of a Pandemic. American Journal of Epidemiology, 2021, 190, 17-20.	1.6	13
152	Cholera outbreaks in sub-Saharan Africa during 2010-2019: a descriptive analysis. International Journal of Infectious Diseases, 2022, 122, 215-221.	1.5	13
153	Optimal allocation of the limited oral cholera vaccine supply between endemic and epidemic settings. Journal of the Royal Society Interface, 2015, 12, 20150703.	1.5	12
154	Rubella vaccination in India: identifying broad consequences of vaccine introduction and key knowledge gaps. Epidemiology and Infection, 2018, 146, 65-77.	1.0	12
155	Perfect counterfactuals for epidemic simulations. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180279.	1.8	12
156	Surveillance and the global fight against cholera: Setting priorities and tracking progress. Vaccine, 2020, 38, A28-A30.	1.7	12
157	Challenges in modeling the emergence of novel pathogens. Epidemics, 2021, 37, 100516.	1.5	12
158	Mitigating measles outbreaks in West Africa post-Ebola. Expert Review of Anti-Infective Therapy, 2015, 13, 1299-1301.	2.0	11
159	Cohort Profile: A study of influenza immunity in the urban and rural Guangzhou region of China: the Fluscape Study. International Journal of Epidemiology, 2017, 46, dyv353.	0.9	11
160	The Cost of Simplifying Air Travel When Modeling Disease Spread. PLoS ONE, 2009, 4, e4403.	1.1	11
161	Analysis of Vaccine Effectiveness Against COVID-19 and the Emergence of Delta and Other Variants of Concern in Utah. JAMA Network Open, 2021, 4, e2140906.	2.8	11
162	The seasonality of cholera in sub-Saharan Africa: a statistical modelling study. The Lancet Global Health, 2022, 10, e831-e839.	2.9	11

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163	Statistical Mechanics and Thermodynamics of Viral Evolution. PLoS ONE, 2015, 10, e0137482.	1.1	10
164	The Epidemiology of Cholera in Zanzibar: Implications for the Zanzibar Comprehensive Cholera Elimination Plan. Journal of Infectious Diseases, 2018, 218, S173-S180.	1.9	10
165	Challenges and Opportunities in Disease Forecasting in Outbreak Settings: A Case Study of Measles in Lola Prefecture, Guinea. American Journal of Tropical Medicine and Hygiene, 2018, 98, 1489-1497.	0.6	10
166	In-person schooling and associated COVID-19 risk in the United States over spring semester 2021. Science Advances, 2022, 8, eabm9128.	4.7	10
167	HIV Shedding from Male Circumcision Wounds in HIV-Infected Men: A Prospective Cohort Study. PLoS Medicine, 2015, 12, e1001820.	3.9	9
168	Bacterial Infections in Neonates Following Mupirocin-Based MRSA Decolonization: A Multicenter Cohort Study. Infection Control and Hospital Epidemiology, 2017, 38, 930-936.	1.0	9
169	Differential mobility and local variation in infection attack rate. PLoS Computational Biology, 2019, 15, e1006600.	1.5	9
170	Expanding the statistical toolbox. Current Opinion in Infectious Diseases, 2015, 28, 384-391.	1.3	8
171	Phylogenetic insights into age-disparate partnerships and HIV. Lancet HIV,the, 2017, 4, e8-e9.	2.1	8
172	Using serological measures to estimate influenza incidence in the presence of secular trends in exposure and immuno€modulation of antibody response. Influenza and Other Respiratory Viruses, 2021, 15, 235-244.	1.5	8
173	Periodic synchronisation of dengue epidemics in Thailand over the last 5 decades driven by temperature and immunity. PLoS Biology, 2022, 20, e3001160.	2.6	8
174	Accelerating investigation of food-borne disease outbreaks using pro-active geospatial modeling of food supply chains. , 2012, , .		7
175	Outbreaks of cholera in the time of Ebola: pre-emptive action needed. Lancet, The, 2015, 385, 851.	6.3	7
176	Sample size calculation for phylogenetic case linkage. PLoS Computational Biology, 2021, 17, e1009182.	1.5	7
177	Regional sequencing collaboration reveals persistence of the T12 Vibrio cholerae O1 lineage in West Africa. ELife, 2021, 10, .	2.8	6
178	MindMap: utilizing multiple taxonomies and visualization to understand a document collection. , 0, , .		5
179	Measurement of vaccine-derived immunity: how do we use all the data?. Expert Review of Vaccines, 2012, 11, 747-749.	2.0	5
180	The Many Faces of Emerging and Reemerging Infectious Disease. Epidemiologic Reviews, 2019, 41, 1-5.	1.3	5

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181	Performance and Priorities: A Cross-sectional Study of Local Health Department Approaches to Essential Public Health Services. Public Health Reports, 2020, 135, 97-106.	1.3	5
182	Using Serology to Anticipate Measles Post-honeymoon Period Outbreaks. Trends in Microbiology, 2020, 28, 597-600.	3.5	5
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