

Neil Ferguson

List of Publications by Year in descending order

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Version: 2024-02-01

320
papers

52,385
citations

4345

89
h-index

2351

205
g-index

358
all docs

358
docs citations

358
times ranked

53171
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimates of the severity of coronavirus disease 2019: a model-based analysis. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 669-677.	4.6	3,036
2	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. <i>Nature</i> , 2020, 584, 257-261.	13.7	2,558
3	Strategies for mitigating an influenza pandemic. <i>Nature</i> , 2006, 442, 448-452.	13.7	1,863
4	Covid-19 Vaccine Effectiveness against the Omicron (B.1.1.529) Variant. <i>New England Journal of Medicine</i> , 2022, 386, 1532-1546.	13.9	1,709
5	Pandemic Potential of a Strain of Influenza A (H1N1): Early Findings. <i>Science</i> , 2009, 324, 1557-1561.	6.0	1,665
6	Strategies for containing an emerging influenza pandemic in Southeast Asia. <i>Nature</i> , 2005, 437, 209-214.	13.7	1,592
7	Ebola Virus Disease in West Africa – The First 9 Months of the Epidemic and Forward Projections. <i>New England Journal of Medicine</i> , 2014, 371, 1481-1495.	13.9	1,367
8	A New Framework and Software to Estimate Time-Varying Reproduction Numbers During Epidemics. <i>American Journal of Epidemiology</i> , 2013, 178, 1505-1512.	1.6	1,206
9	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. <i>Science</i> , 2021, 372, 815-821.	6.0	1,125
10	Transmission Dynamics of the Etiological Agent of SARS in Hong Kong: Impact of Public Health Interventions. <i>Science</i> , 2003, 300, 1961-1966.	6.0	1,004
11	Assessing transmissibility of SARS-CoV-2 lineage B.1.1.7 in England. <i>Nature</i> , 2021, 593, 266-269.	13.7	1,001
12	Factors that make an infectious disease outbreak controllable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6146-6151.	3.3	1,000
13	Time Lines of Infection and Disease in Human Influenza: A Review of Volunteer Challenge Studies. <i>American Journal of Epidemiology</i> , 2008, 167, 775-785.	1.6	927
14	Comparative analysis of the risks of hospitalisation and death associated with SARS-CoV-2 omicron (B.1.1.529) and delta (B.1.617.2) variants in England: a cohort study. <i>Lancet</i> , The, 2022, 399, 1303-1312.	6.3	889
15	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Vo – . <i>Nature</i> , 2020, 584, 425-429.	13.7	872
16	Epidemiological determinants of spread of causal agent of severe acute respiratory syndrome in Hong Kong. <i>Lancet</i> , The, 2003, 361, 1761-1766.	6.3	840
17	Resurgence of COVID-19 in Manaus, Brazil, despite high seroprevalence. <i>Lancet</i> , The, 2021, 397, 452-455.	6.3	720
18	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. <i>Science</i> , 2020, 369, 413-422.	6.0	718

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19	The effect of public health measures on the 1918 influenza pandemic in U.S. cities. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7588-7593.	3.3	627
20	Community transmission and viral load kinetics of the SARS-CoV-2 delta (B.1.617.2) variant in vaccinated and unvaccinated individuals in the UK: a prospective, longitudinal, cohort study. Lancet Infectious Diseases, The, 2022, 22, 183-195.	4.6	585
21	Ecological and immunological determinants of influenza evolution. Nature, 2003, 422, 428-433.	13.7	580
22	The Foot-and-Mouth Epidemic in Great Britain: Pattern of Spread and Impact of Interventions. Science, 2001, 292, 1155-1160.	6.0	577
23	Estimating the impact of school closure on influenza transmission from Sentinel data. Nature, 2008, 452, 750-754.	13.7	577
24	Potential impact of the COVID-19 pandemic on HIV, tuberculosis, and malaria in low-income and middle-income countries: a modelling study. The Lancet Global Health, 2020, 8, e1132-e1141.	2.9	573
25	Modeling targeted layered containment of an influenza pandemic in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4639-4644.	3.3	570
26	Transmission dynamics and epidemiology of BSE in British cattle. Nature, 1996, 382, 779-788.	13.7	565
27	Evolution and epidemic spread of SARS-CoV-2 in Brazil. Science, 2020, 369, 1255-1260.	6.0	454
28	Reducing Plasmodium falciparum Malaria Transmission in Africa: A Model-Based Evaluation of Intervention Strategies. PLoS Medicine, 2010, 7, e1000324.	3.9	451
29	Closure of schools during an influenza pandemic. Lancet Infectious Diseases, The, 2009, 9, 473-481.	4.6	448
30	Household Transmission of 2009 Pandemic Influenza A (H1N1) Virus in the United States. New England Journal of Medicine, 2009, 361, 2619-2627.	13.9	420
31	Epidemiology, transmission dynamics and control of SARS: the 2002-2003 epidemic. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 1091-1105.	1.8	412
32	Reduction in mobility and COVID-19 transmission. Nature Communications, 2021, 12, 1090.	5.8	394
33	Transmission intensity and impact of control policies on the foot and mouth epidemic in Great Britain. Nature, 2001, 413, 542-548.	13.7	371
34	Comparative community burden and severity of seasonal and pandemic influenza: results of the Flu Watch cohort study. Lancet Respiratory Medicine, the, 2014, 2, 445-454.	5.2	341
35	Planning for smallpox outbreaks. Nature, 2003, 425, 681-685.	13.7	324
36	Role of social networks in shaping disease transmission during a community outbreak of 2009 H1N1 pandemic influenza. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2825-2830.	3.3	315

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37	Assessing the global threat from Zika virus. <i>Science</i> , 2016, 353, aaf8160.	6.0	311
38	Middle East respiratory syndrome coronavirus: quantification of the extent of the epidemic, surveillance biases, and transmissibility. <i>Lancet Infectious Diseases</i> , The, 2014, 14, 50-56.	4.6	298
39	Face Mask Use and Control of Respiratory Virus Transmission in Households. <i>Emerging Infectious Diseases</i> , 2009, 15, 233-241.	2.0	298
40	The Epidemiology of Severe Acute Respiratory Syndrome in the 2003 Hong Kong Epidemic: An Analysis of All 1755 Patients. <i>Annals of Internal Medicine</i> , 2004, 141, 662.	2.0	293
41	Face Mask Use and Control of Respiratory Virus Transmission in Households. <i>Emerging Infectious Diseases</i> , 2009, 15, 233-241.	2.0	285
42	Safety, tolerability and viral kinetics during SARS-CoV-2 human challenge in young adults. <i>Nature Medicine</i> , 2022, 28, 1031-1041.	15.2	281
43	Chaos, Persistence, and Evolution of Strain Structure in Antigenically Diverse Infectious Agents. <i>Science</i> , 1998, 280, 912-915.	6.0	272
44	Capturing human behaviour. <i>Nature</i> , 2007, 446, 733-733.	13.7	271
45	Countering the Zika epidemic in Latin America. <i>Science</i> , 2016, 353, 353-354.	6.0	250
46	Yellow Fever in Africa: Estimating the Burden of Disease and Impact of Mass Vaccination from Outbreak and Serological Data. <i>PLoS Medicine</i> , 2014, 11, e1001638.	3.9	239
47	Age groups that sustain resurging COVID-19 epidemics in the United States. <i>Science</i> , 2021, 371, .	6.0	239
48	Rapid folding with and without populated intermediates in the homologous four-helix proteins Im7 and Im9 1 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 1999, 286, 1597-1608.	2.0	236
49	After Ebola in West Africa "Unpredictable Risks, Preventable Epidemics. <i>New England Journal of Medicine</i> , 2016, 375, 587-596.	13.9	216
50	A cluster randomized clinical trial comparing fit-tested and non-fit-tested N95 respirators to medical masks to prevent respiratory virus infection in health care workers. <i>Influenza and Other Respiratory Viruses</i> , 2011, 5, 170-179.	1.5	213
51	Use of serological surveys to generate key insights into the changing global landscape of infectious disease. <i>Lancet, The</i> , 2016, 388, 728-730.	6.3	213
52	Assessing the severity of the novel influenza A/H1N1 pandemic. <i>BMJ: British Medical Journal</i> , 2009, 339, b2840-b2840.	2.4	212
53	Bayesian Reconstruction of Disease Outbreaks by Combining Epidemiologic and Genomic Data. <i>PLoS Computational Biology</i> , 2014, 10, e1003457.	1.5	207
54	Modeling the impact on virus transmission of <i>Wolbachia</i> -mediated blocking of dengue virus infection of <i>Aedes aegypti</i> . <i>Science Translational Medicine</i> , 2015, 7, 279ra37.	5.8	204

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55	Will travel restrictions control the international spread of pandemic influenza?. <i>Nature Medicine</i> , 2006, 12, 497-499.	15.2	200
56	Benefits and risks of the Sanofi-Pasteur dengue vaccine: Modeling optimal deployment. <i>Science</i> , 2016, 353, 1033-1036.	6.0	195
57	Predicted vCJD mortality in Great Britain. <i>Nature</i> , 2000, 406, 583-584.	13.7	187
58	Transmission dynamics and epidemiology of dengue: insights from age-stratified sero-prevalence surveys. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999, 354, 757-768.	1.8	182
59	The Long-Term Safety, Public Health Impact, and Cost-Effectiveness of Routine Vaccination with a Recombinant, Live-Attenuated Dengue Vaccine (Dengvaxia): A Model Comparison Study. <i>PLoS Medicine</i> , 2016, 13, e1002181.	3.9	178
60	Modelling the impact of vector control interventions on <i>Anopheles gambiae</i> population dynamics. <i>Parasites and Vectors</i> , 2011, 4, 153.	1.0	177
61	General structural motifs of amyloid protofilaments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16248-16253.	3.3	176
62	West African Ebola Epidemic after One Year "Slowing but Not Yet under Control. <i>New England Journal of Medicine</i> , 2015, 372, 584-587.	13.9	174
63	Managing and Reducing Uncertainty in an Emerging Influenza Pandemic. <i>New England Journal of Medicine</i> , 2009, 361, 112-115.	13.9	172
64	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 1381-1389.	4.6	171
65	Potential Biases in Estimating Absolute and Relative Case-Fatality Risks during Outbreaks. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003846.	1.3	170
66	Estimates of the changing age-burden of <i>Plasmodium falciparum</i> malaria disease in sub-Saharan Africa. <i>Nature Communications</i> , 2014, 5, 3136.	5.8	169
67	When are pathogen genome sequences informative of transmission events?. <i>PLoS Pathogens</i> , 2018, 14, e1006885.	2.1	169
68	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Setting-specific Transmission Rates: A Systematic Review and Meta-analysis. <i>Clinical Infectious Diseases</i> , 2021, 73, e754-e764.	2.9	160
69	PUBLIC HEALTH: Enhanced: Public Health Risk from the Avian H5N1 Influenza Epidemic. <i>Science</i> , 2004, 304, 968-969.	6.0	154
70	Adapting hospital capacity to meet changing demands during the COVID-19 pandemic. <i>BMC Medicine</i> , 2020, 18, 329.	2.3	144
71	Estimating the health impact of vaccination against ten pathogens in 98 low-income and middle-income countries from 2000 to 2030: a modelling study. <i>Lancet, The</i> , 2021, 397, 398-408.	6.3	144
72	Spatial heterogeneity and the persistence of infectious diseases. <i>Journal of Theoretical Biology</i> , 2004, 229, 349-359.	0.8	142

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73	Malaria morbidity and mortality in Ebola-affected countries caused by decreased health-care capacity, and the potential effect of mitigation strategies: a modelling analysis. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 825-832.	4.6	141
74	Real-time Estimates in Early Detection of SARS. <i>Emerging Infectious Diseases</i> , 2012, 12, 110-113.	2.0	141
75	Modelling the Impact of Antiretroviral Use in Resource-Poor Settings. <i>PLoS Medicine</i> , 2006, 3, e124.	3.9	137
76	Response to COVID-19 in South Korea and implications for lifting stringent interventions. <i>BMC Medicine</i> , 2020, 18, 321.	2.3	137
77	A review of epidemiological parameters from Ebola outbreaks to inform early public health decision-making. <i>Scientific Data</i> , 2015, 2, 150019.	2.4	136
78	Mapping global variation in dengue transmission intensity. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	131
79	Smallpox transmission and control: Spatial dynamics in Great Britain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12637-12642.	3.3	125
80	The epidemiology of BSE in cattle herds in Great Britain. II. Model construction and analysis of transmission dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997, 352, 803-838.	1.8	120
81	Deliberations of the Strategic Advisory Group of Experts on Immunization on the use of CYD-TDV dengue vaccine. <i>Lancet Infectious Diseases</i> , The, 2019, 19, e31-e38.	4.6	120
82	Non-pharmaceutical interventions, vaccination, and the SARS-CoV-2 delta variant in England: a mathematical modelling study. <i>Lancet</i> , The, 2021, 398, 1825-1835.	6.3	119
83	Ebola Virus Disease among Children in West Africa. <i>New England Journal of Medicine</i> , 2015, 372, 1274-1277.	13.9	118
84	Changing composition of SARS-CoV-2 lineages and rise of Delta variant in England. <i>EClinicalMedicine</i> , 2021, 39, 101064.	3.2	116
85	Likelihood-based estimation of continuous-time epidemic models from time-series data: application to measles transmission in London. <i>Journal of the Royal Society Interface</i> , 2008, 5, 885-897.	1.5	111
86	Challenges and opportunities in controlling mosquito-borne infections. <i>Nature</i> , 2018, 559, 490-497.	13.7	111
87	Early events in protein folding. <i>Current Opinion in Structural Biology</i> , 2003, 13, 75-81.	2.6	109
88	Estimating the most efficient allocation of interventions to achieve reductions in Plasmodium falciparum malaria burden and transmission in Africa: a modelling study. <i>The Lancet Global Health</i> , 2016, 4, e474-e484.	2.9	107
89	Adoption and impact of non-pharmaceutical interventions for COVID-19. <i>Wellcome Open Research</i> , 2020, 5, 59.	0.9	106
90	State-level tracking of COVID-19 in the United States. <i>Nature Communications</i> , 2020, 11, 6189.	5.8	104

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91	A population-dynamic model for evaluating the potential spread of drug-resistant influenza virus infections during community-based use of antivirals. <i>Journal of Antimicrobial Chemotherapy</i> , 2003, 51, 977-990.	1.3	102
92	Determinants of the Spatiotemporal Dynamics of the 2009 H1N1 Pandemic in Europe: Implications for Real-Time Modelling. <i>PLoS Computational Biology</i> , 2011, 7, e1002205.	1.5	102
93	Ultra-fast Barrier-limited Folding in the Peripheral Subunit-binding Domain Family. <i>Journal of Molecular Biology</i> , 2005, 353, 427-446.	2.0	99
94	Within-host viral dynamics of dengue serotype 1 infection. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140094.	1.5	97
95	The role of rapid diagnostics in managing Ebola epidemics. <i>Nature</i> , 2015, 528, S109-S116.	13.7	97
96	Unraveling the drivers of MERS-CoV transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9081-9086.	3.3	95
97	Transmission scenarios for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) and how to tell them apart. <i>Eurosurveillance</i> , 2013, 18, .	3.9	95
98	\hat{I} -Analysis at the Experimental Limits: Mechanism of \hat{I} -Hairpin Formation. <i>Journal of Molecular Biology</i> , 2006, 360, 865-881.	2.0	94
99	Epidemiological and genetic analysis of severe acute respiratory syndrome. <i>Lancet Infectious Diseases</i> , The, 2004, 4, 672-683.	4.6	93
100	Outbreak of Ebola virus disease in the Democratic Republic of the Congo, April–May, 2018: an epidemiological study. <i>Lancet</i> , The, 2018, 392, 213-221.	6.3	93
101	Estimating the human health risk from possible BSE infection of the British sheep flock. <i>Nature</i> , 2002, 415, 420-424.	13.7	91
102	Implications of BSE infection screening data for the scale of the British BSE epidemic and current European infection levels. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2179-2190.	1.2	90
103	Transmission Parameters of the 2001 Foot and Mouth Epidemic in Great Britain. <i>PLoS ONE</i> , 2007, 2, e502.	1.1	90
104	Using Wolbachia for Dengue Control: Insights from Modelling. <i>Trends in Parasitology</i> , 2018, 34, 102-113.	1.5	90
105	Key epidemiological drivers and impact of interventions in the 2020 SARS-CoV-2 epidemic in England. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	89
106	Evaluating the Adequacy of Gravity Models as a Description of Human Mobility for Epidemic Modelling. <i>PLoS Computational Biology</i> , 2012, 8, e1002699.	1.5	86
107	Spatial dynamics of the 1918 influenza pandemic in England, Wales and the United States. <i>Journal of the Royal Society Interface</i> , 2011, 8, 233-243.	1.5	85
108	Contrasting benefits of different artemisinin combination therapies as first-line malaria treatments using model-based cost-effectiveness analysis. <i>Nature Communications</i> , 2014, 5, 5606.	5.8	85

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109	A Change in Vaccine Efficacy and Duration of Protection Explains Recent Rises in Pertussis Incidence in the United States. <i>PLoS Computational Biology</i> , 2015, 11, e1004138.	1.5	85
110	Epidemiological determinants of the pattern and magnitude of the vCJD epidemic in Great Britain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 2443-2452.	1.2	84
111	Influenza Infection Rates, Measurement Errors and the Interpretation of Paired Serology. <i>PLoS Pathogens</i> , 2012, 8, e1003061.	2.1	84
112	Estimating Dengue Transmission Intensity from Sero-Prevalence Surveys in Multiple Countries. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003719.	1.3	84
113	Seroprevalence of IgG antibodies to SARS-coronavirus in asymptomatic or subclinical population groups. <i>Epidemiology and Infection</i> , 2006, 134, 211-221.	1.0	83
114	Influenza Transmission in Households During the 1918 Pandemic. <i>American Journal of Epidemiology</i> , 2011, 174, 505-514.	1.6	83
115	Heterogeneities in the case fatality ratio in the West African Ebola outbreak 2013â€“2016. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160308.	1.8	83
116	Immune correlates of protection for dengue: State of the art and research agenda. <i>Vaccine</i> , 2017, 35, 4659-4669.	1.7	81
117	Clinical Characteristics and Predictors of Outcomes of Hospitalized Patients With Coronavirus Disease 2019 in a Multiethnic London National Health Service Trust: A Retrospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2021, 73, e4047-e4057.	2.9	81
118	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. <i>Wellcome Open Research</i> , 2020, 5, 81.	0.9	81
119	Rapid amyloid fiber formation from the fast-folding WW domain FBP28. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9814-9819.	3.3	78
120	The epidemiological impact of antiretroviral use predicted by mathematical models: a review. <i>Emerging Themes in Epidemiology</i> , 2005, 2, 9.	1.2	78
121	Updated projections of future vCJD deaths in the UK. <i>BMC Infectious Diseases</i> , 2003, 3, 4.	1.3	76
122	Novel microscale approaches for easy, rapid determination of protein stability in academic and commercial settings. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2241-2250.	1.1	76
123	The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom. <i>PLOS Currents</i> , 2009, 1, RRN1130.	1.4	76
124	More Realistic Models of Sexually Transmitted Disease Transmission Dynamics. <i>Sexually Transmitted Diseases</i> , 2000, 27, 600-609.	0.8	75
125	Studies Needed to Address Public Health Challenges of the 2009 H1N1 Influenza Pandemic: Insights from Modeling. <i>PLoS Medicine</i> , 2010, 7, e1000275.	3.9	75
126	Under-reporting of deaths limits our understanding of true burden of covid-19. <i>BMJ, The</i> , 2021, 375, n2239.	3.0	75

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127	Transmission scenarios for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) and how to tell them apart. <i>Eurosurveillance</i> , 2013, 18, .	3.9	75
128	Improving influenza vaccine virus selectionReport of a WHO informal consultation held at WHO headquarters, Geneva, Switzerland, 14â€“16 June 2010. <i>Influenza and Other Respiratory Viruses</i> , 2012, 6, 142-152.	1.5	73
129	Assessing the epidemiological effect of wolbachia for dengue control. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 862-866.	4.6	73
130	SARS-CoV Antibody Prevalence in All Hong Kong Patient Contacts. <i>Emerging Infectious Diseases</i> , 2004, 10, 1653-1656.	2.0	72
131	Exposure Patterns Driving Ebola Transmission in West Africa: A Retrospective Observational Study. <i>PLoS Medicine</i> , 2016, 13, e1002170.	3.9	72
132	Within-country age-based prioritisation, global allocation, and public health impact of a vaccine against SARS-CoV-2: A mathematical modelling analysis. <i>Vaccine</i> , 2021, 39, 2995-3006.	1.7	71
133	One-state Downhill versus Conventional Protein Folding. <i>Journal of Molecular Biology</i> , 2004, 344, 295-301.	2.0	70
134	Frequent Travelers and Rate of Spread of Epidemics. <i>Emerging Infectious Diseases</i> , 2007, 13, 1288-1294.	2.0	70
135	Key data for outbreak evaluation: building on the Ebola experience. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160371.	1.8	70
136	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. <i>Lancet</i> , The, 2020, 395, e110-e111.	6.3	70
137	The Ecological Dynamics of Fecal Contamination and Salmonella Typhi and Salmonella Paratyphi A in Municipal Kathmandu Drinking Water. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004346.	1.3	70
138	Epidemic and intervention modelling â€“ a scientific rationale for policy decisions? Lessons from the 2009 influenza pandemic. <i>Bulletin of the World Health Organization</i> , 2012, 90, 306-310.	1.5	68
139	The global burden of yellow fever. <i>ELife</i> , 2021, 10, .	2.8	66
140	Essential epidemiological mechanisms underpinning the transmission dynamics of seasonal influenza. <i>Journal of the Royal Society Interface</i> , 2012, 9, 304-312.	1.5	65
141	Childrenâ€™s role in the COVID-19 pandemic: a systematic review of early surveillance data on susceptibility, severity, and transmissibility. <i>Scientific Reports</i> , 2021, 11, 13903.	1.6	65
142	Control of a highly pathogenic H5N1 avian influenza outbreak in the GB poultry flock. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2287-2295.	1.2	64
143	Thermodynamic origins of protein folding, allostery, and capsid formation in the human hepatitis B virus core protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2782-91.	3.3	64
144	A simple approach to measure transmissibility and forecast incidence. <i>Epidemics</i> , 2018, 22, 29-35.	1.5	63

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145	The epidemiology of BSE in cattle herds in Great Britain. I. Epidemiological processes, demography of cattle and approaches to control by culling. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997, 352, 781-801.	1.8	62
146	Repurposing isoxazoline veterinary drugs for control of vector-borne human diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6920-E6926.	3.3	62
147	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. <i>Wellcome Open Research</i> , 2020, 5, 81.	0.9	62
148	The seasonal influence of climate and environment on yellow fever transmission across Africa. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006284.	1.3	62
149	Antigen-driven CD4+ T cell and HIV-1 dynamics: Residual viral replication under highly active antiretroviral therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 15167-15172.	3.3	61
150	Factors determining the pattern of the variant Creutzfeldt-Jakob disease (vCJD) epidemic in the UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 689-698.	1.2	60
151	Potential role of human challenge studies for investigation of influenza transmission. <i>Lancet Infectious Diseases</i> , The, 2011, 11, 879-886.	4.6	60
152	Increased transmissibility explains the third wave of infection by the 2009 H1N1 pandemic virus in England. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13422-13427.	3.3	60
153	Ebola Virus Disease among Male and Female Persons in West Africa. <i>New England Journal of Medicine</i> , 2016, 374, 96-98.	13.9	60
154	outbreaker2: a modular platform for outbreak reconstruction. <i>BMC Bioinformatics</i> , 2018, 19, 363.	1.2	60
155	Bayesian inference of transmission chains using timing of symptoms, pathogen genomes and contact data. <i>PLoS Computational Biology</i> , 2019, 15, e1006930.	1.5	60
156	Anonymised and aggregated crowd level mobility data from mobile phones suggests that initial compliance with COVID-19 social distancing interventions was high and geographically consistent across the UK. <i>Wellcome Open Research</i> , 2020, 5, 170.	0.9	58
157	Epidemiological inference for partially observed epidemics: The example of the 2001 foot and mouth epidemic in Great Britain. <i>Epidemics</i> , 2009, 1, 21-34.	1.5	57
158	Transmission Characteristics of the 2009 H1N1 Influenza Pandemic: Comparison of 8 Southern Hemisphere Countries. <i>PLoS Pathogens</i> , 2011, 7, e1002225.	2.1	57
159	Use of a Human Influenza Challenge Model to Assess Person-to-Person Transmission: Proof-of-Concept Study. <i>Journal of Infectious Diseases</i> , 2012, 205, 35-43.	1.9	55
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