

# Neil Ferguson

## List of Publications by Citations

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337  
papers

35,983  
citations

83  
h-index

184  
g-index

358  
ext. papers

45,534  
ext. citations

14.2  
avg, IF

7.24  
L-index

#	Paper	IF	Citations
337	Estimates of the severity of coronavirus disease 2019: a model-based analysis. <i>Lancet Infectious Diseases, The</i> , <b>2020</b> , 20, 669-677	25.5	2101
336	Strategies for mitigating an influenza pandemic. <i>Nature</i> , <b>2006</b> , 442, 448-52	50.4	1530
335	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. <i>Nature</i> , <b>2020</b> , 584, 257-261	50.4	1469
334	Pandemic potential of a strain of influenza A (H1N1): early findings. <i>Science</i> , <b>2009</b> , 324, 1557-61	33.3	1403
333	Strategies for containing an emerging influenza pandemic in Southeast Asia. <i>Nature</i> , <b>2005</b> , 437, 209-14	50.4	1323
332	Ebola virus disease in West Africa--the first 9 months of the epidemic and forward projections. <i>New England Journal of Medicine</i> , <b>2014</b> , 371, 1481-95	59.2	1159
331	Transmission dynamics of the etiological agent of SARS in Hong Kong: impact of public health interventions. <i>Science</i> , <b>2003</b> , 300, 1961-6	33.3	823
330	Time lines of infection and disease in human influenza: a review of volunteer challenge studies. <i>American Journal of Epidemiology</i> , <b>2008</b> , 167, 775-85	3.8	771
329	Factors that make an infectious disease outbreak controllable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 6146-51	11.5	767
328	Epidemiological determinants of spread of causal agent of severe acute respiratory syndrome in Hong Kong. <i>Lancet, The</i> , <b>2003</b> , 361, 1761-6	40	691
327	A new framework and software to estimate time-varying reproduction numbers during epidemics. <i>American Journal of Epidemiology</i> , <b>2013</b> , 178, 1505-12	3.8	648
326	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Vo'. <i>Nature</i> , <b>2020</b> , 584, 425-429	50.4	631
325	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. <i>Science</i> , <b>2021</b> , 372, 815-821	33.3	603
324	Ecological and immunological determinants of influenza evolution. <i>Nature</i> , <b>2003</b> , 422, 428-33	50.4	503
323	The foot-and-mouth epidemic in Great Britain: pattern of spread and impact of interventions. <i>Science</i> , <b>2001</b> , 292, 1155-60	33.3	501
322	Resurgence of COVID-19 in Manaus, Brazil, despite high seroprevalence. <i>Lancet, The</i> , <b>2021</b> , 397, 452-455	40	481
321	Estimating the impact of school closure on influenza transmission from Sentinel data. <i>Nature</i> , <b>2008</b> , 452, 750-4	50.4	469

320	Modeling targeted layered containment of an influenza pandemic in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 4639-44	11.5	462
319	Transmission dynamics and epidemiology of BSE in British cattle. <i>Nature</i> , <b>1996</b> , 382, 779-88	50.4	458
318	The effect of public health measures on the 1918 influenza pandemic in U.S. cities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 7588-93	11.5	456
317	Assessing transmissibility of SARS-CoV-2 lineage B.1.1.7 in England. <i>Nature</i> , <b>2021</b> , 593, 266-269	50.4	452
316	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. <i>Science</i> , <b>2020</b> , 369, 413-422	33.3	440
315	Household transmission of 2009 pandemic influenza A (H1N1) virus in the United States. <i>New England Journal of Medicine</i> , <b>2009</b> , 361, 2619-27	59.2	370
314	Reducing Plasmodium falciparum malaria transmission in Africa: a model-based evaluation of intervention strategies. <i>PLoS Medicine</i> , <b>2010</b> , 7, e1000324	11.6	362
313	Closure of schools during an influenza pandemic. <i>Lancet Infectious Diseases, The</i> , <b>2009</b> , 9, 473-81	25.5	337
312	Epidemiology, transmission dynamics and control of SARS: the 2002-2003 epidemic. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 359, 1091-105	5.8	312
311	Potential impact of the COVID-19 pandemic on HIV, tuberculosis, and malaria in low-income and middle-income countries: a modelling study. <i>The Lancet Global Health</i> , <b>2020</b> , 8, e1132-e1141	13.6	307
310	Transmission intensity and impact of control policies on the foot and mouth epidemic in Great Britain. <i>Nature</i> , <b>2001</b> , 413, 542-8	50.4	305
309	Transmission of SARS-CoV-2 Lineage B.1.1.7 in England: Insights from linking epidemiological and genetic data		299
308	Evolution and epidemic spread of SARS-CoV-2 in Brazil. <i>Science</i> , <b>2020</b> , 369, 1255-1260	33.3	277
307	Planning for smallpox outbreaks. <i>Nature</i> , <b>2003</b> , 425, 681-5	50.4	276
306	Comparative community burden and severity of seasonal and pandemic influenza: results of the Flu Watch cohort study. <i>Lancet Respiratory Medicine, the</i> , <b>2014</b> , 2, 445-54	35.1	266
305	Role of social networks in shaping disease transmission during a community outbreak of 2009 H1N1 pandemic influenza. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 2825-30	11.5	257
304	Face Mask Use and Control of Respiratory Virus Transmission in Households. <i>Emerging Infectious Diseases</i> , <b>2009</b> , 15, 233-241	10.2	238
303	Assessing the global threat from Zika virus. <i>Science</i> , <b>2016</b> , 353, aaf8160	33.3	235

302	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> , <b>2004</b> , 141, 662-73	8	235
301	Chaos, persistence, and evolution of strain structure in antigenically diverse infectious agents. <i>Science</i> , <b>1998</b> , 280, 912-5	33.3	234
300	Middle East respiratory syndrome coronavirus: quantification of the extent of the epidemic, surveillance biases, and transmissibility. <i>Lancet Infectious Diseases</i> , <b>2014</b> , 14, 50-56	25.5	231
299	Rapid folding with and without populated intermediates in the homologous four-helix proteins Im7 and Im9. <i>Journal of Molecular Biology</i> , <b>1999</b> , 286, 1597-608	6.5	230
298	Covid-19 Vaccine Effectiveness against the Omicron (B.1.1.529) Variant.. <i>New England Journal of Medicine</i> , <b>2022</b> ,	59.2	224
297	Capturing human behaviour. <i>Nature</i> , <b>2007</b> , 446, 733	50.4	201
296	Face mask use and control of respiratory virus transmission in households. <i>Emerging Infectious Diseases</i> , <b>2009</b> , 15, 233-41	10.2	199
295	EPIDEMIOLOGY. Countering the Zika epidemic in Latin America. <i>Science</i> , <b>2016</b> , 353, 353-4	33.3	191
294	Yellow Fever in Africa: estimating the burden of disease and impact of mass vaccination from outbreak and serological data. <i>PLoS Medicine</i> , <b>2014</b> , 11, e1001638	11.6	179
293	Assessing the severity of the novel influenza A/H1N1 pandemic. <i>BMJ</i> , <b>2009</b> , 339, b2840	5.9	175
292	After Ebola in West Africa--Unpredictable Risks, Preventable Epidemics. <i>New England Journal of Medicine</i> , <b>2016</b> , 375, 587-96	59.2	172
291	Will travel restrictions control the international spread of pandemic influenza?. <i>Nature Medicine</i> , <b>2006</b> , 12, 497-9	50.5	171
290	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> , <b>2011</b> , 5, 170-9	5.6	169
289	Modeling the impact on virus transmission of Wolbachia-mediated blocking of dengue virus infection of <i>Aedes aegypti</i> . <i>Science Translational Medicine</i> , <b>2015</b> , 7, 279ra37	17.5	165
288	General structural motifs of amyloid protofilaments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 16248-53	11.5	159
287	West African Ebola epidemic after one year--slowing but not yet under control. <i>New England Journal of Medicine</i> , <b>2015</b> , 372, 584-7	59.2	153
286	Benefits and risks of the Sanofi-Pasteur dengue vaccine: Modeling optimal deployment. <i>Science</i> , <b>2016</b> , 353, 1033-1036	33.3	153
285	Transmission dynamics and epidemiology of dengue: insights from age-stratified sero-prevalence surveys. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>1999</b> , 354, 757-68	5.8	151

284	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. <i>Lancet Infectious Diseases, The</i> , <b>2021</b> ,	25.5	150
283	Suppression of COVID-19 outbreak in the municipality of Vo[Italy]		148
282	Use of serological surveys to generate key insights into the changing global landscape of infectious disease. <i>Lancet, The</i> , <b>2016</b> , 388, 728-30	40	146
281	Bayesian reconstruction of disease outbreaks by combining epidemiologic and genomic data. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003457	5	142
280	Reduction in mobility and COVID-19 transmission. <i>Nature Communications</i> , <b>2021</b> , 12, 1090	17.4	142
279	Managing and reducing uncertainty in an emerging influenza pandemic. <i>New England Journal of Medicine</i> , <b>2009</b> , 361, 112-5	59.2	137
278	Predicted vCJD mortality in Great Britain. <i>Nature</i> , <b>2000</b> , 406, 583-4	50.4	137
277	Estimates of the changing age-burden of Plasmodium falciparum malaria disease in sub-Saharan Africa. <i>Nature Communications</i> , <b>2014</b> , 5, 3136	17.4	133
276	Modelling the impact of vector control interventions on Anopheles gambiae population dynamics. <i>Parasites and Vectors</i> , <b>2011</b> , 4, 153	4	132
275	Public health. Public health risk from the avian H5N1 influenza epidemic. <i>Science</i> , <b>2004</b> , 304, 968-9	33.3	128
274	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> , <b>2016</b> , 13, e1002181	11.6	127
273	Potential Biases in Estimating Absolute and Relative Case-Fatality Risks during Outbreaks. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003846	4.8	124
272	Spatial heterogeneity and the persistence of infectious diseases. <i>Journal of Theoretical Biology</i> , <b>2004</b> , 229, 349-59	2.3	118
271	Real-time estimates in early detection of SARS. <i>Emerging Infectious Diseases</i> , <b>2006</b> , 12, 110-3	10.2	118
270	Modelling the impact of antiretroviral use in resource-poor settings. <i>PLoS Medicine</i> , <b>2006</b> , 3, e124	11.6	117
269	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, The</i> , <b>2015</b> , 15, 825-32	25.5	111
268	Early events in protein folding. <i>Current Opinion in Structural Biology</i> , <b>2003</b> , 13, 75-81	8.1	107
267	Age groups that sustain resurging COVID-19 epidemics in the United States. <i>Science</i> , <b>2021</b> , 371,	33.3	107

266	Smallpox transmission and control: spatial dynamics in Great Britain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 12637-42	11.5	105
265	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , <b>2020</b> , 20, 1381-1389	25.5	102
264	Ebola virus disease among children in West Africa. <i>New England Journal of Medicine</i> , <b>2015</b> , 372, 1274-7	59.2	100
263	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> , <b>1997</b> , 352, 803-38	5.8	97
262	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> , <b>2008</b> , 5, 885-97	4.1	92
261	Ultra-fast barrier-limited folding in the peripheral subunit-binding domain family. <i>Journal of Molecular Biology</i> , <b>2005</b> , 353, 427-46	6.5	91
260	A review of epidemiological parameters from Ebola outbreaks to inform early public health decision-making. <i>Scientific Data</i> , <b>2015</b> , 2, 150019	8.2	89
259	Determinants of the spatiotemporal dynamics of the 2009 H1N1 pandemic in Europe: implications for real-time modelling. <i>PLoS Computational Biology</i> , <b>2011</b> , 7, e1002205	5	88
258	Phi-analysis at the experimental limits: mechanism of beta-hairpin formation. <i>Journal of Molecular Biology</i> , <b>2006</b> , 360, 865-81	6.5	88
257	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> , <b>2003</b> , 51, 977-90	5.1	86
256	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> , <b>2022</b> ,	40	86
255	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> , <b>2016</b> , 4, e474-84	13.6	83
254	The role of rapid diagnostics in managing Ebola epidemics. <i>Nature</i> , <b>2015</b> , 528, S109-16	50.4	79
253	Epidemiological and genetic analysis of severe acute respiratory syndrome. <i>Lancet Infectious Diseases</i> , <b>2004</b> , 4, 672-83	25.5	79
252	Transmission parameters of the 2001 foot and mouth epidemic in Great Britain. <i>PLoS ONE</i> , <b>2007</b> , 2, e5023	7	78
251	Deliberations of the Strategic Advisory Group of Experts on Immunization on the use of CYD-TDV dengue vaccine. <i>Lancet Infectious Diseases</i> , <b>2019</b> , 19, e31-e38	25.5	76
250	Estimating the human health risk from possible BSE infection of the British sheep flock. <i>Nature</i> , <b>2002</b> , 415, 420-4	50.4	74
249	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> , <b>2002</b> , 269, 2179-90	4.4	74

248	Transmission scenarios for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) and how to tell them apart. <i>Eurosurveillance</i> , <b>2013</b> , 18,	19.8	74
247	Transmission scenarios for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) and how to tell them apart. <i>Eurosurveillance</i> , <b>2013</b> , 18,	19.8	73
246	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> , <b>2003</b> , 100, 9814-9	11.5	72
245	Unraveling the drivers of MERS-CoV transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9081-6	11.5	72
244	A change in vaccine efficacy and duration of protection explains recent rises in pertussis incidence in the United States. <i>PLoS Computational Biology</i> , <b>2015</b> , 11, e1004138	5	71
243	Estimates of the severity of COVID-19 disease		71
242	The epidemiological impact of antiretroviral use predicted by mathematical models: a review. <i>Emerging Themes in Epidemiology</i> , <b>2005</b> , 2, 9	3.9	70
241	When are pathogen genome sequences informative of transmission events?. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1006885	7.6	69
240	Studies needed to address public health challenges of the 2009 H1N1 influenza pandemic: insights from modeling. <i>PLoS Medicine</i> , <b>2010</b> , 7, e1000275	11.6	69
239	Within-host viral dynamics of dengue serotype 1 infection. <i>Journal of the Royal Society Interface</i> , <b>2014</b> , 11,	4.1	68
238	Evaluating the adequacy of gravity models as a description of human mobility for epidemic modelling. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002699	5	68
237	Seroprevalence of IgG antibodies to SARS-coronavirus in asymptomatic or subclinical population groups. <i>Epidemiology and Infection</i> , <b>2006</b> , 134, 211-21	4.3	67
236	One-state downhill versus conventional protein folding. <i>Journal of Molecular Biology</i> , <b>2004</b> , 344, 295-301	16.5	67
235	Heterogeneities in the case fatality ratio in the West African Ebola outbreak 2013-2016. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2017</b> , 372,	5.8	66
234	Response to COVID-19 in South Korea and implications for lifting stringent interventions. <i>BMC Medicine</i> , <b>2020</b> , 18, 321	11.4	66
233	Outbreak of Ebola virus disease in the Democratic Republic of the Congo, April-May, 2018: an epidemiological study. <i>Lancet, The</i> , <b>2018</b> , 392, 213-221	40	66
232	Mapping global variation in dengue transmission intensity. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	64
231	Spatial dynamics of the 1918 influenza pandemic in England, Wales and the United States. <i>Journal of the Royal Society Interface</i> , <b>2011</b> , 8, 233-43	4.1	64



230	Influenza infection rates, measurement errors and the interpretation of paired serology. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1003061	7.6	64
229	Epidemiological determinants of the pattern and magnitude of the vCJD epidemic in Great Britain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1998</b> , 265, 2443-52	4.4	63
228	The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom. <i>PLOS Currents</i> , <b>2009</b> , 1, RRN1130		63
227	Contrasting benefits of different artemisinin combination therapies as first-line malaria treatments using model-based cost-effectiveness analysis. <i>Nature Communications</i> , <b>2014</b> , 5, 5606	17.4	62
226	Adoption and impact of non-pharmaceutical interventions for COVID-19. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 59	4.8	62
225	Frequent travelers and rate of spread of epidemics. <i>Emerging Infectious Diseases</i> , <b>2007</b> , 13, 1288-94	10.2	61
224	SARS-CoV antibody prevalence in all Hong Kong patient contacts. <i>Emerging Infectious Diseases</i> , <b>2004</b> , 10, 1653-6	10.2	61
223	More realistic models of sexually transmitted disease transmission dynamics: sexual partnership networks, pair models, and moment closure. <i>Sexually Transmitted Diseases</i> , <b>2000</b> , 27, 600-9	2.4	61
222	Estimating dengue transmission intensity from sero-prevalence surveys in multiple countries. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003719	4.8	60
221	Updated projections of future vCJD deaths in the UK. <i>BMC Infectious Diseases</i> , <b>2003</b> , 3, 4	4	60
220	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Setting-specific Transmission Rates: A Systematic Review and Meta-analysis. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e754-e764	11.6	60
219	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 81	4.8	57
218	Challenges and opportunities in controlling mosquito-borne infections. <i>Nature</i> , <b>2018</b> , 559, 490-497	50.4	56
217	Influenza transmission in households during the 1918 pandemic. <i>American Journal of Epidemiology</i> , <b>2011</b> , 174, 505-14	3.8	56
216	Control of a highly pathogenic H5N1 avian influenza outbreak in the GB poultry flock. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 2287-95	4.4	56
215	Exposure Patterns Driving Ebola Transmission in West Africa: A Retrospective Observational Study. <i>PLoS Medicine</i> , <b>2016</b> , 13, e1002170	11.6	56
214	Improving influenza vaccine virus selection: report of a WHO informal consultation held at WHO headquarters, Geneva, Switzerland, 14-16 June 2010. <i>Influenza and Other Respiratory Viruses</i> , <b>2012</b> , 6, 142-52, e1-5	5.6	55
213	Immune correlates of protection for dengue: State of the art and research agenda. <i>Vaccine</i> , <b>2017</b> , 35, 4659-4669	4.1	55



212	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> , <b>1999</b> , 96, 15167-72	11.5	55
211	Using Wolbachia for Dengue Control: Insights from Modelling. <i>Trends in Parasitology</i> , <b>2018</b> , 34, 102-113	6.4	55
210	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> , <b>2013</b> , 110, E2782-91	11.5	54
209	Essential epidemiological mechanisms underpinning the transmission dynamics of seasonal influenza. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 304-12	4.1	54
208	State-level tracking of COVID-19 in the United States. <i>Nature Communications</i> , <b>2020</b> , 11, 6189	17.4	54
207	Changing composition of SARS-CoV-2 lineages and rise of Delta variant in England. <i>EClinicalMedicine</i> , <b>2021</b> , 39, 101064	11.3	54
206	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. <i>Lancet, The</i> , <b>2020</b> , 395, e110-e111	11.1	53
205	Adapting hospital capacity to meet changing demands during the COVID-19 pandemic. <i>BMC Medicine</i> , <b>2020</b> , 18, 329	11.4	53
204	Genomics and epidemiology of a novel SARS-CoV-2 lineage in Manaus, Brazil <b>2021</b> ,		53
203	Key data for outbreak evaluation: building on the Ebola experience. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2017</b> , 372,	5.8	52
202	Assessing the epidemiological effect of wolbachia for dengue control. <i>Lancet Infectious Diseases, The</i> , <b>2015</b> , 15, 862-6	25.5	52
201	Potential role of human challenge studies for investigation of influenza transmission. <i>Lancet Infectious Diseases, The</i> , <b>2011</b> , 11, 879-86	25.5	52
200	Epidemic and intervention modelling--a scientific rationale for policy decisions? Lessons from the 2009 influenza pandemic. <i>Bulletin of the World Health Organization</i> , <b>2012</b> , 90, 306-10	8.2	52
199	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> , <b>2021</b> , 73, e4047-e4057	11.6	52
198	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> , <b>2013</b> , 110, 13422-7	11.5	51
197	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> , <b>1997</b> , 352, 781-801	5.8	51
196	The Ecological Dynamics of Fecal Contamination and Salmonella Typhi and Salmonella Paratyphi A in Municipal Kathmandu Drinking Water. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004346	4.8	51
195	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> , <b>2021</b> , 397, 398-408	4.0	51

194	Epidemiological inference for partially observed epidemics: the example of the 2001 foot and mouth epidemic in Great Britain. <i>Epidemics</i> , <b>2009</b> , 1, 21-34	5.1	50
193	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> , <b>2003</b> , 270, 689-98	4.4	50
192	Ebola Virus Disease among Male and Female Persons in West Africa. <i>New England Journal of Medicine</i> , <b>2016</b> , 374, 96-8	59.2	48
191	Simulation and experiment at high temperatures: ultrafast folding of a thermophilic protein by nucleation-condensation. <i>Journal of Molecular Biology</i> , <b>2005</b> , 347, 855-70	6.5	48
190	The seasonal influence of climate and environment on yellow fever transmission across Africa. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006284	4.8	48
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32	How can the public health impact of vaccination be estimated?		3
31	The impact of the COVID-19 pandemic on patterns of attendance at emergency departments in two large London hospitals: an observational study. <i>BMC Health Services Research</i> , <b>2021</b> , 21, 1008	2.9	3
30	Host or pathogen-related factors in COVID-19 severity? - Authors' reply. <i>Lancet, The</i> , <b>2020</b> , 396, 1397	4.0	2
29	Reproducible parallel inference and simulation of stochastic state space models using odin, dust, and mcstate. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 288	4.8	2
28	Communicating uncertainty in epidemic models. <i>Epidemics</i> , <b>2021</b> , 37, 100520	5.1	2
27	How would a decision to leave the European Union affect medical research and health in the United Kingdom?. <i>Journal of the Royal Society of Medicine</i> , <b>2016</b> , 109, 216-218	2.3	2
26	Estimating the number of undetected COVID-19 cases among travellers from mainland China. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 143	4.8	2
25	Seasonal and inter-annual drivers of yellow fever transmission in South America. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0008974	4.8	2
24	Pre-existing immunity in human challenge studies of influenza transmission [Authors' reply]. <i>Lancet Infectious Diseases, The</i> , <b>2012</b> , 12, 744-745	25.5	1
23	Response--Influenza. <i>Science</i> , <b>2009</b> , 325, 1072-1073	33.3	1
22	Mathematical prediction in infection. <i>Medicine</i> , <b>2009</b> , 37, 507-509	0.6	1
21	Mathematical prediction in infection. <i>Medicine</i> , <b>2005</b> , 33, 1-2	0.6	1
20	Group did give timely foot-and-mouth analysis. <i>Nature</i> , <b>2001</b> , 413, 16	50.4	1
19	The value of vaccine booster doses to mitigate the global impact of the Omicron SARS-CoV-2 variant		1
18	Transmissibility of SARS-CoV-2 among fully vaccinated individuals - Authors' reply.. <i>Lancet Infectious Diseases, The</i> , <b>2022</b> , 22, 18-19	25.5	1
17	COVID-19 epidemic severity is associated with timing of non-pharmaceutical interventions		1
16	Broadening symptom criteria improves early case identification in SARS-CoV-2 contacts. <i>European Respiratory Journal</i> , <b>2021</b> ,	13.6	1
15	Eliminating yellow fever epidemics in Africa: vaccine demand forecast and impact modelling		1

14	Efficacy profile of the CYD-TDV dengue vaccine revealed by Bayesian survival analysis of individual-level phase III data. <i>ELife</i> , <b>2021</b> , 10,	8.9	1
13	Global predictions of short- to medium-term COVID-19 transmission trends : a retrospective assessment		1
12	Impact of the Tier system on SARS-CoV-2 transmission in the UK between the first and second national lockdowns		1
11	Inferring the reproduction number using the renewal equation in heterogeneous epidemics.. <i>Journal of the Royal Society Interface</i> , <b>2022</b> , 19, 20210429	4.1	1
10	How can the public health impact of vaccination be estimated?. <i>BMC Public Health</i> , <b>2021</b> , 21, 2049	4.1	0
9	The impact of a COVID-19 lockdown on work productivity under good and poor compliance. <i>European Journal of Public Health</i> , <b>2021</b> , 31, 1009-1015	2.1	0
8	Optimizing social and economic activity while containing SARS-CoV-2 transmission using DAEDALUS. <i>Nature Computational Science</i> , <b>2022</b> , 2, 223-233		0
7	Transmission Dynamics and Control of the Viral Aetiological Agent of SARS <b>2008</b> , 111-130		
6	Vaccines can save children with non-preventable diseases - Authors' reply. <i>Lancet, The</i> , <b>2021</b> , 397, 2251	40	
5	Fine-scale estimation of key life-history parameters of malaria vectors: implications for next-generation vector control technologies. <i>Parasites and Vectors</i> , <b>2021</b> , 14, 311	4	
4	Deriving fine-scale models of human mobility from aggregated origin-destination flow data. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008588	5	
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