Neil Ferguson

List of Articles by Year
in descending order

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273 peer-reviewed articles	35,156 peer-reviewed citations	7436 77 peer-reviewed h-index	113137 6.40 score
310 documents	45485 doc citations	5449 88 h-index	98721 citing authors

#	Article	IF	Citations
1	A mathematical model of H5N1 influenza transmission in US dairy cattle. Nature Communications, 2025, 16, .	10.8	9
2	Socioeconomic and temporal heterogeneity in SARS-CoV-2 exposure and disease in England from May 2020 to February 2023. Science Advances, 2025, 11, .	8.1	1
3	Evaluating the role of observational uncertainty in climate impact assessments: Temperature-driven yellow fever risk in South America. PLOS Climate, 2025, 4, e0000601.	2.7	1
4	Modelling transmission of Middle East respiratory syndrome coronavirus in camel populations and the potential impact of animal vaccination. Nature Communications, 2025, 16, .	10.8	5
5	The impact of health inequity on spatial variation of COVID-19 transmission in England. PLoS Computational Biology, 2024, 20, e1012141.	1.9	2
6	The interaction of disease transmission, mortality, and economic output over the first 2 years of the COVID-19 pandemic. PLoS ONE, 2024, 19, e0301785.	1.5	4
7	Assessing yellow fever outbreak potential and implications for vaccine strategy. PLOS Global Public Health, 2024, 4, e0003781.	1.4	12
8	Policy impact of the Imperial College COVID-19 Response Team: global perspective and United Kingdom case study. Health Research Policy and Systems, 2024, 22, .	1.6	6
9	Climate change and communicable diseases in the Gulf Cooperation Council (GCC) countries. Epidemics, 2023, 42, 100667.	1.3	8
10	Impact of proactive and reactive vaccination strategies for health-care workers against MERS-CoV: a mathematical modelling study. The Lancet Global Health, 2023, 11, e759-e769.	9.7	10
11	Data pipelines in a public health emergency: The human in the machine. Epidemics, 2023, 43, 100676.	1.3	6
12	The societal value of SARS-CoV-2 booster vaccination in Indonesia. Vaccine, 2023, 41, 1885-1891.	2.0	4
13	Semi-mechanistic Bayesian modelling of COVID-19 with renewal processes. Journal of the Royal Statistical Society Series A: Statistics in Society, 2023, 186, 601-615.	0.6	24
14	Bhatt, Ferguson, Flaxman, Gandy, Mishra, and Scott's reply to the Discussion of 'The Second Discussion Meeting on Statistical aspects of the Covid-19 Pandemic'. Journal of the Royal Statistical Society Series A: Statistics in Society, 2023, 186, 651-653.	0.6	0
15	Epidemiological drivers of transmissibility and severity of SARS-CoV-2 in England. Nature Communications, 2023, 14, .	10.8	38
16	Estimating long-term vaccine effectiveness against SARS-CoV-2 variants: a model-based approach. Nature Communications, 2023, 14, .	10.8	33
17	Long-term vaccination strategies to mitigate the impact of SARS-CoV-2 transmission: A modelling study. PLoS Medicine, 2023, 20, e1004195.	4.6	19
18	Modelling the impact of JNJ-1802, a first-in-class dengue inhibitor blocking the NS3-NS4B interaction, on in-vitro DENV-2 dynamics. PLoS Computational Biology, 2023, 19, e1011662.	1.9	6

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19	Measuring Vaccine Efficacy Against Infection and Disease in Clinical Trials: Sources and Magnitude of Bias in Coronavirus Disease 2019 (COVID-19) Vaccine Efficacy Estimates. Clinical Infectious Diseases, 2022, 75, e764-e773.	3.7	16
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.	9.2	718
21	Broadening symptom criteria improves early case identification in SARS-CoV-2 contacts. European Respiratory Journal, 2022, 60, 2102308.	6.5	9
22	Covid-19 Vaccine Effectiveness against the Omicron (B.1.1.529) Variant. New England Journal of Medicine, 2022, 386, 1532-1546.	26.4	2,299
23	Safety, tolerability and viral kinetics during SARS-CoV-2 human challenge in young adults. Nature Medicine, 2022, 28, 1031-1041.	22.6	503
24	Inferring the reproduction number using the renewal equation in heterogeneous epidemics. Journal of the Royal Society Interface, 2022, 19, .	2.1	27
25	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. Lancet, The, 2022, 399, 1303-1312.	46.9	1,265
26	Optimizing social and economic activity while containing SARS-CoV-2 transmission using DAEDALUS. Nature Computational Science, 2022, 2, 223-233.	8.9	42
27	Assessment of mortality and hospital admissions associated with confirmed infection with SARS-CoV-2 Alpha variant: a matched cohort and time-to-event analysis, England, October to December 2020. Eurosurveillance, 2022, 27, .	3.4	14
28	COVID-19 in Japan, January–March 2020: insights from the first three months of the epidemic. BMC Infectious Diseases, 2022, 22, .	1.7	17
29	Estimating the COVID-19 infection fatality ratio accounting for seroreversion using statistical modelling. Communications Medicine, 2022, 2, .	3.1	52
30	Vaccine equity in low and middle income countries: a systematic review and meta-analysis. International Journal for Equity in Health, 2022, 21, .	2.4	229
31	Using next generation matrices to estimate the proportion of infections that are not detected in an outbreak. Epidemics, 2022, 41, 100637.	1.3	5
32	Hospitalisation and mortality risk of SARS-COV-2 variant omicron sub-lineage BA.2 compared to BA.1 in England. Nature Communications, 2022, 13, .	10.8	35
33	A COVID-19 Model for Local Authorities of the United Kingdom. Journal of the Royal Statistical Society Series A: Statistics in Society, 2022, 185, S86-S95.	0.6	9
34	Authors' reply to the discussion of 'A COVID-19 Model for Local Authorities of the United Kingdom' by Mishra et al. in Session 2 of the Royal Statistical Society's Special Topic Meeting on COVID-19 transmission: 11 June 2021. Journal of the Royal Statistical Society Series A: Statistics in Society, 2022, , .	0.6	0
35	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. Clinical Infectious Diseases, 2021, 73, e4047-e4057.	3.7	84
36	Database of epidemic trends and control measures during the first wave of COVID-19 in mainland China. International Journal of Infectious Diseases, 2021, 102, 463-471.	1.4	16

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37	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.	46.9	266
38	The J-IDEA Pandemic Planner. Medical Care, 2021, 59, 371-378.	1.1	10
39	Deriving fine-scale models of human mobility from aggregated origin-destination flow data. PLoS Computational Biology, 2021, 17, e1008588.	1.9	10
40	Reduction in mobility and COVID-19 transmission. Nature Communications, 2021, 12, .	10.8	541
41	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Setting-specific Transmission Rates: A Systematic Review and Meta-analysis. Clinical Infectious Diseases, 2021, 73, e754-e764.	3.7	206
42	Assessing transmissibility of SARS-CoV-2 lineage B.1.1.7 in England. Nature, 2021, 593, 266-269.	30.6	1,209
43	Age groups that sustain resurging COVID-19 epidemics in the United States. Science, 2021, 371, .	26.1	309
44	Leveraging community mortality indicators to infer COVID-19 mortality and transmission dynamics in Damascus, Syria. Nature Communications, 2021, 12, .	10.8	51
45	Modelling intensive care unit capacity under different epidemiological scenarios of the COVID-19 pandemic in three Western European countries. International Journal of Epidemiology, 2021, 50, 753-767.	2.8	40
46	Genetic evidence for the association between COVID-19 epidemic severity and timing of non-pharmaceutical interventions. Nature Communications, 2021, 12, .	10.8	30
47	Modelling the impact of the tier system on SARS-CoV-2 transmission in the UK between the first and second national lockdowns. BMJ Open, 2021, 11, e050346.	1.2	26
48	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. Science, 2021, 372, 815-821.	26.1	1,344
49	Within-country age-based prioritisation, global allocation, and public health impact of a vaccine against SARS-CoV-2: A mathematical modelling analysis. Vaccine, 2021, 39, 2995-3006.	2.0	104
50	Fine-scale estimation of key life-history parameters of malaria vectors: implications for next-generation vector control technologies. Parasites and Vectors, 2021, 14, .	2.0	1
51	Seasonality of agricultural exposure as an important predictor of seasonal yellow fever spillover in Brazil. Nature Communications, 2021, 12, .	10.8	26
52	Key epidemiological drivers and impact of interventions in the 2020 SARS-CoV-2 epidemic in England. Science Translational Medicine, 2021, 13, .	8.7	133
53	SARS-CoV-2 antibody dynamics and transmission from community-wide serological testing in the Italian municipality of Vo'. Nature Communications, 2021, 12, .	10.8	41
54	Children's role in the COVID-19 pandemic: a systematic review of early surveillance data on susceptibility, severity, and transmissibility. Scientific Reports, 2021, 11, .	2.7	72

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55	Interpreting estimates of coronavirus disease 2019 (COVID-19) vaccine efficacy and effectiveness to inform simulation studies of vaccine impact: a systematic review. Wellcome Open Research, 2021, 6, 185.	0.9	19
56	Optimal national prioritization policies for hospital care during the SARS-CoV-2 pandemic. Nature Computational Science, 2021, 1, 521-531.	8.9	22
57	Comparing the responses of the UK, Sweden and Denmark to COVID-19 using counterfactual modelling. Scientific Reports, 2021, 11, .	2.7	48
58	The impact of a COVID-19 lockdown on work productivity under good and poor compliance. European Journal of Public Health, 2021, , .	0.3	8
59	Estimating the number of undetected COVID-19 cases among travellers from mainland China. Wellcome Open Research, 2021, 5, 143.	0.9	6
60	Changing composition of SARS-CoV-2 lineages and rise of Delta variant in England. EClinicalMedicine, 2021, 39, 101064.	6.6	124
61	The impact of the COVID-19 pandemic on patterns of attendance at emergency departments in two large London hospitals: an observational study. BMC Health Services Research, 2021, 21, .	1.6	31
62	Seasonal and inter-annual drivers of yellow fever transmission in South America. PLoS Neglected Tropical Diseases, 2021, 15, e0008974.	1.9	32
63	Non-pharmaceutical interventions, vaccination, and the SARS-CoV-2 delta variant in England: a mathematical modelling study. Lancet, The, 2021, 398, 1825-1835.	46.9	162
64	How can the public health impact of vaccination be estimated?. BMC Public Health, 2021, 21, .	2.1	24
65	Communicating uncertainty in epidemic models. Epidemics, 2021, 37, 100520.	1.3	31
66	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.	9.7	745
67	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, .	10.8	140
68	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Vo'. Nature, 2020, 584, 425-429.	30.6	929
69	Adapting hospital capacity to meet changing demands during the COVID-19 pandemic. BMC Medicine, 2020, 18, .	4.4	185
70	Response to COVID-19 in South Korea and implications for lifting stringent interventions. BMC Medicine, 2020, 18, .	4.4	171
71	SARS-CoV-2 infection prevalence on repatriation flights from Wuhan City, China. Journal of Travel Medicine, 2020, 27, .	2.0	5
72	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 1381-1389.	9.2	200

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73	Eliminating yellow fever epidemics in Africa: Vaccine demand forecast and impact modelling. PLoS Neglected Tropical Diseases, 2020, 14, e0008304.	1.9	30
74	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. Science, 2020, 369, 413-422.	26.1	860
75	Spatiotemporal variability in dengue transmission intensity in Jakarta, Indonesia. PLoS Neglected Tropical Diseases, 2020, 14, e0008102.	1.9	26
76	Systematic selection between age and household structure for models aimed at emerging epidemic predictions. Nature Communications, 2020, 11, .	10.8	44
77	Using cluster analysis to reconstruct dengue exposure patterns from cross-sectional serological studies in Singapore. Parasites and Vectors, 2020, 13, .	2.0	13
78	Mapping global variation in dengue transmission intensity. Science Translational Medicine, 2020, 12, .	8.7	239
79	Estimates of the severity of coronavirus disease 2019: a model-based analysis. Lancet Infectious Diseases, The, 2020, 20, 669-677.	9.2	3,366
80	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. Nature, 2020, 584, 257-261.	30.6	3,092
81	Adoption and impact of non-pharmaceutical interventions for COVID-19. Wellcome Open Research, 2020, 5, 59.	0.9	126
82	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	0.9	69
83	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	0.9	87
84	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. Wellcome Open Research, 2020, 5, 170.	0.9	68
85	Reproducible parallel inference and simulation of stochastic state space models using odin, dust, and mcstate. Wellcome Open Research, 2020, 5, 288.	0.9	7
86	Early Insights from Statistical and Mathematical Modeling of Key Epidemiologic Parameters of COVID-19. Emerging Infectious Diseases, 2020, 26, .	2.7	57
87	Fine-scale modelling finds that breeding site fragmentation can reduce mosquito population persistence. Communications Biology, 2019, 2, .	3.1	25
88	Cross-serotype interactions and disease outcome prediction of dengue infections in Vietnam. Scientific Reports, 2019, 9, .	2.7	89
89	A systematic review of MERS-CoV seroprevalence and RNA prevalence in dromedary camels: Implications for animal vaccination. Epidemics, 2019, 29, 100350.	1.3	42
90	POLICI: A web application for visualising and extracting yellow fever vaccination coverage in Africa. Vaccine, 2019, 37, 1384-1388.	2.0	16

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91	Bayesian inference of transmission chains using timing of symptoms, pathogen genomes and contact data. PLoS Computational Biology, 2019, 15, e1006930.	1.9	79
92	Deliberations of the Strategic Advisory Group of Experts on Immunization on the use of CYD-TDV dengue vaccine. Lancet Infectious Diseases, The, 2019, 19, e31-e38.	9.2	163
93	A simple approach to measure transmissibility and forecast incidence. Epidemics, 2018, 22, 29-35.	1.3	74
94	A trade-off between dry season survival longevity and wet season high net reproduction can explain the persistence of Anopheles mosquitoes. Parasites and Vectors, 2018, 11, .	2.0	30
95	Refined efficacy estimates of the Sanofi Pasteur dengue vaccine CYD-TDV using machine learning. Nature Communications, 2018, 9, .	10.8	22
96	Mathematical models of human mobility of relevance to malaria transmission in Africa. Scientific Reports, 2018, 8, .	2.7	58
97	Outbreak of Ebola virus disease in the Democratic Republic of the Congo, April–May, 2018: an epidemiological study. Lancet, The, 2018, 392, 213-221.	46.9	107
98	Targeting vaccinations for the licensed dengue vaccine: Considerations for serosurvey design. PLoS ONE, 2018, 13, e0199450.	1.5	11
99	Repurposing isoxazoline veterinary drugs for control of vector-borne human diseases. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, .	5.2	95
100	Challenges and opportunities in controlling mosquito-borne infections. Nature, 2018, 559, 490-497.	30.6	170
101	Cluster-Randomized Test-Negative Design Trials: A Novel and Efficient Method to Assess the Efficacy of Community-Level Dengue Interventions. American Journal of Epidemiology, 2018, 187, 2021-2028.	2.4	28
102	When are pathogen genome sequences informative of transmission events?. PLoS Pathogens, 2018, 14, e1006885.	2.9	221
103	The seasonal influence of climate and environment on yellow fever transmission across Africa. PLoS Neglected Tropical Diseases, 2018, 12, e0006284.	1.9	83
104	Heterogeneities in the case fatality ratio in the West African Ebola outbreak 2013–2016. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160308.	2.6	107
105	Key data for outbreak evaluation: building on the Ebola experience. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160371.	2.6	99
106	International risk of yellow fever spread from the ongoing outbreak in Brazil, December 2016 to May 2017. Eurosurveillance, 2017, 22, .	3.4	41
107	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. PLoS Medicine, 2016, 13, e1002181.	4.6	211
108	A Meta-Analysis of Serological Response Associated with Yellow Fever Vaccination. American Journal of Tropical Medicine and Hygiene, 2016, 95, 1435-1439.	0.3	37

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109	Unraveling the drivers of MERS-CoV transmission. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9081-9086.	5.2	122
110	Assessing the global threat from Zika virus. Science, 2016, 353, .	26.1	358
111	Estimating the most efficient allocation of interventions to achieve reductions in Plasmodium falciparum malaria burden and transmission in Africa: a modelling study. The Lancet Global Health, 2016, 4, e474-e484.	9.7	129
112	Estimating malaria transmission intensity from Plasmodium falciparum serological data using antibody density models. Malaria Journal, 2016, 15, .	2.0	44
113	Key traveller groups of relevance to spatial malaria transmission: a survey of movement patterns in four sub-Saharan African countries. Malaria Journal, 2016, 15, .	2.0	51
114	Ebola Virus Disease among Male and Female Persons in West Africa. New England Journal of Medicine, 2016, 374, 96-98.	26.4	65
115	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.	2.4	49
116	Model-Based Comprehensive Analysis of School Closure Policies for Mitigating Influenza Epidemics and Pandemics. PLoS Computational Biology, 2016, 12, e1004681.	1.9	55
117	Modelling Virus and Antibody Dynamics during Dengue Virus Infection Suggests a Role for Antibody in Virus Clearance. PLoS Computational Biology, 2016, 12, e1004951.	1.9	49
118	Exposure Patterns Driving Ebola Transmission in West Africa: A Retrospective Observational Study. PLoS Medicine, 2016, 13, e1002170.	4.6	80
119	Estimating Dengue Transmission Intensity from Case-Notification Data from Multiple Countries. PLoS Neglected Tropical Diseases, 2016, 10, e0004833.	1.9	51
120	A review of epidemiological parameters from Ebola outbreaks to inform early public health decision-making. Scientific Data, 2015, 2, .	3.8	176
121	A systematic review of reported reassortant viral lineages of influenza A. BMC Infectious Diseases, 2015, 16, .	1.7	16
122	Assessing the epidemiological effect of wolbachia for dengue control. Lancet Infectious Diseases, The, 2015, 15, 862-866.	9.2	85
123	Modeling the impact on virus transmission of Wolbachia -mediated blocking of dengue virus infection of Aedes aegypti. Science Translational Medicine, 2015, 7, .	8.7	246
124	Modelling the immunological response to a tetravalent dengue vaccine from multiple phase-2 trials in Latin America and South East Asia. Vaccine, 2015, 33, 3746-3751.	2.0	36
125	West African Ebola Epidemic after One Year — Slowing but Not Yet under Control. New England Journal of Medicine, 2015, 372, 584-587.	26.4	198
126	Estimating Dengue Transmission Intensity from Sero-Prevalence Surveys in Multiple Countries. PLoS Neglected Tropical Diseases, 2015, 9, e0003719.	1.9	104

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127	Malaria morbidity and mortality in Ebola-affected countries caused by decreased health-care capacity, and the potential effect of mitigation strategies: a modelling analysis. Lancet Infectious Diseases, The, 2015, 15, 825-832.	9.2	158
128	Ebola Virus Disease among Children in West Africa. New England Journal of Medicine, 2015, 372, 1274-1277.	26.4	131
129	A Change in Vaccine Efficacy and Duration of Protection Explains Recent Rises in Pertussis Incidence in the United States. PLoS Computational Biology, 2015, 11, e1004138.	1.9	110
130	Potential Biases in Estimating Absolute and Relative Case-Fatality Risks during Outbreaks. PLoS Neglected Tropical Diseases, 2015, 9, e0003846.	1.9	207
131	Contrasting benefits of different artemisinin combination therapies as first-line malaria treatments using model-based cost-effectiveness analysis. Nature Communications, 2014, 5, .	10.8	100
132	Yellow Fever in Africa: Estimating the Burden of Disease and Impact of Mass Vaccination from Outbreak and Serological Data. PLoS Medicine, 2014, 11, e1001638.	4.6	313
133	Determinants of Influenza Transmission in South East Asia: Insights from a Household Cohort Study in Vietnam. PLoS Pathogens, 2014, 10, e1004310.	2.9	51
134	Estimates of the changing age-burden of Plasmodium falciparum malaria disease in sub-Saharan Africa. Nature Communications, 2014, 5, .	10.8	220
135	Optimizing the Precision of Case Fatality Ratio Estimates Under the Surveillance Pyramid Approach. American Journal of Epidemiology, 2014, 180, 1036-1046.	2.4	13
136	Within-host viral dynamics of dengue serotype 1 infection. Journal of the Royal Society Interface, 2014, 11, 20140094.	2.1	121
137	Large-Scale Production and Structural and Biophysical Characterizations of the Human Hepatitis B Virus Polymerase. Journal of Virology, 2014, 88, 2584-2599.	2.4	26
138	Middle East respiratory syndrome coronavirus: quantification of the extent of the epidemic, surveillance biases, and transmissibility. Lancet Infectious Diseases, The, 2014, 14, 50-56.	9.2	324
139	Novel microscale approaches for easy, rapid determination of protein stability in academic and commercial settings. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 2241-2250.	1.3	106
140	Ebola Virus Disease in West Africa — The First 9 Months of the Epidemic and Forward Projections. New England Journal of Medicine, 2014, 371, 1481-1495.	26.4	1,513
141	Estimating Potential Incidence of MERS-CoV Associated with Hajj Pilgrims to Saudi Arabia, 2014. PLOS Currents, 2014, , .	1.6	32
142	The hepatitis B virus preS1 domain hijacks host trafficking proteins by motif mimicry. Nature Chemical Biology, 2013, 9, 540-547.	9.1	31
143	Worldwide transmission and seasonal variation of pandemic influenza A(H1N1)2009 virus activity during the 2009–2010 pandemic. Influenza and Other Respiratory Viruses, 2013, 7, 1328-1335.	2.2	16
144	Transmission dynamics of the 2009 influenza A (H1N1) pandemic in India: The impact of holiday-related school closure. Epidemics, 2013, 5, 157-163.	1.3	42

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145	Thermodynamic origins of protein folding, allostery, and capsid formation in the human hepatitis B virus core protein. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, .	5.2	76
146	Using Routine Surveillance Data to Estimate the Epidemic Potential of Emerging Zoonoses: Application to the Emergence of US Swine Origin Influenza A H3N2v Virus. PLoS Medicine, 2013, 10, e1001399.	4.6	50
147	Feature Selection Methods for Identifying Genetic Determinants of Host Species in RNA Viruses. PLoS Computational Biology, 2013, 9, e1003254.	1.9	23
148	A New Framework and Software to Estimate Time-Varying Reproduction Numbers During Epidemics. American Journal of Epidemiology, 2013, 178, 1505-1512.	2.4	1,612
149	Multiple Contributory Factors to the Age Distribution of Disease Cases: A Modeling Study in the Context of Influenza A(H3N2v). Clinical Infectious Diseases, 2013, 57, S23-S27.	3.7	14
150	Increased transmissibility explains the third wave of infection by the 2009 H1N1 pandemic virus in England. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13422-13427.	5.2	62
151	Estimating Air Temperature and Its Influence on Malaria Transmission across Africa. PLoS ONE, 2013, 8, e56487.	1.5	61
152	Parameters for the Mathematical Modelling of Clostridium difficile Acquisition and Transmission: A Systematic Review. PLoS ONE, 2013, 8, e84224.	1.5	14
153	Influenza Infection Rates, Measurement Errors and the Interpretation of Paired Serology. PLoS Pathogens, 2012, 8, e1003061.	2.9	109
154	Evaluating the Adequacy of Gravity Models as a Description of Human Mobility for Epidemic Modelling. PLoS Computational Biology, 2012, 8, e1002699.	1.9	103
155	Epidemic and intervention modelling – a scientific rationale for policy decisions? Lessons from the 2009 influenza pandemic. Bulletin of the World Health Organization, 2012, 90, 306-310.	1.3	81
156	Inferring pandemic growth rates from sequence data. Journal of the Royal Society Interface, 2012, 9, 1797-1808.	2.1	43
157	Methods to infer transmission risk factors in complex outbreak data. Journal of the Royal Society Interface, 2012, 9, 456-469.	2.1	33
158	Use of a Human Influenza Challenge Model to Assess Person-to-Person Transmission: Proof-of-Concept Study. Journal of Infectious Diseases, 2012, 205, 35-43.	2.2	61
159	Within-farm transmission dynamics of foot and mouth disease as revealed by the 2001 epidemic in Great Britain. Epidemics, 2012, 4, 158-169.	1.3	59
160	Transmission Dynamics, Border Entry Screening, and School Holidays during the 2009 Influenza A (H1N1) Pandemic, China. Emerging Infectious Diseases, 2012, 18, 758-766.	2.7	51
161	Modelling the impact of vector control interventions on Anopheles gambiae population dynamics. Parasites and Vectors, 2011, 4, .	2.0	232
162	Spatial dynamics of the 1918 influenza pandemic in England, Wales and the United States. Journal of the Royal Society Interface, 2011, 8, 233-243.	2.1	100

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163	Influenza Transmission in Households During the 1918 Pandemic. American Journal of Epidemiology, 2011, 174, 505-514.	2.4	98
164	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.	5.2	344
165	Serial Intervals and the Temporal Distribution of Secondary Infections within Households of 2009 Pandemic Influenza A (H1N1): Implications for Influenza Control Recommendations. Clinical Infectious Diseases, 2011, 52, S123-S130.	3.7	50
166	Biophysical Characterization of the Complex between Human Papillomavirus E6 Protein and Synapse-associated Protein 97. Journal of Biological Chemistry, 2011, 286, 3597-3606.	1.3	21
167	Transmission Characteristics of the 2009 H1N1 Influenza Pandemic: Comparison of 8 Southern Hemisphere Countries. PLoS Pathogens, 2011, 7, e1002225.	2.9	63
168	Determinants of the Spatiotemporal Dynamics of the 2009 H1N1 Pandemic in Europe: Implications for Real-Time Modelling. PLoS Computational Biology, 2011, 7, e1002205.	1.9	113
169	Rapid detection of pandemic influenza in the presence of seasonal influenza. BMC Public Health, 2010, 10, .	2.1	18
170	Studies Needed to Address Public Health Challenges of the 2009 H1N1 Influenza Pandemic: Insights from Modeling. PLoS Medicine, 2010, 7, e1000275.	4.6	76
171	Reducing Plasmodium falciparum Malaria Transmission in Africa: A Model-Based Evaluation of Intervention Strategies. PLoS Medicine, 2010, 7, e1000324.	4.6	541
172	Engineering a two-helix bundle protein for folding studies. Protein Engineering, Design and Selection, 2010, 23, 357-364.	2.2	7
173	Re-assessment of mitigation strategies for deliberate releases of anthrax using a real-time outbreak characterization tool. Epidemics, 2010, 2, 189-194.	1.3	10
174	Carboxyl pKa Values and Acid Denaturation of BBL. Journal of Molecular Biology, 2010, 403, 313-327.	2.9	22
175	Epidemic growth rate and household reproduction number in communities of households, schools and workplaces. Journal of Mathematical Biology, 2010, 63, 691-734.	1.7	24
176	Quantifying the transmissibility of human influenza and its seasonal variation in temperate regions. PLOS Currents, 2010, 1, RRN1125.	1.6	28
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