List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Estimates of the severity of coronavirus disease 2019: a model-based analysis. Lancet Infectious Diseases, The, 2020, 20, 669-677.	9.1	3,036
2	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. Nature, 2020, 584, 257-261.	27.8	2,558
3	Strategies for mitigating an influenza pandemic. Nature, 2006, 442, 448-452.	27.8	1,863
4	Covid-19 Vaccine Effectiveness against the Omicron (B.1.1.529) Variant. New England Journal of Medicine, 2022, 386, 1532-1546.	27.0	1,709
5	Pandemic Potential of a Strain of Influenza A (H1N1): Early Findings. Science, 2009, 324, 1557-1561.	12.6	1,665
6	Strategies for containing an emerging influenza pandemic in Southeast Asia. Nature, 2005, 437, 209-214.	27.8	1,592
7	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.	27.0	1,367
8	A New Framework and Software to Estimate Time-Varying Reproduction Numbers During Epidemics. American Journal of Epidemiology, 2013, 178, 1505-1512.	3.4	1,206
9	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. Science, 2021, 372, 815-821.	12.6	1,125
10	Transmission Dynamics of the Etiological Agent of SARS in Hong Kong: Impact of Public Health Interventions. Science, 2003, 300, 1961-1966.	12.6	1,004
11	Assessing transmissibility of SARS-CoV-2 lineage B.1.1.7 in England. Nature, 2021, 593, 266-269.	27.8	1,001
12	Factors that make an infectious disease outbreak controllable. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6146-6151.	7.1	1,000
13	Time Lines of Infection and Disease in Human Influenza: A Review of Volunteer Challenge Studies. American Journal of Epidemiology, 2008, 167, 775-785.	3.4	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. Lancet, The, 2022, 399, 1303-1312.	13.7	889
15	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Vo'. Nature, 2020, 584, 425-429.	27.8	872
16	Epidemiological determinants of spread of causal agent of severe acute respiratory syndrome in Hong Kong. Lancet, The, 2003, 361, 1761-1766.	13.7	840
17	Resurgence of COVID-19 in Manaus, Brazil, despite high seroprevalence. Lancet, The, 2021, 397, 452-455.	13.7	720
18	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. Science, 2020, 369, 413-422.	12.6	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.	7.1	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.	9.1	585
21	Ecological and immunological determinants of influenza evolution. Nature, 2003, 422, 428-433.	27.8	580
22	The Foot-and-Mouth Epidemic in Great Britain: Pattern of Spread and Impact of Interventions. Science, 2001, 292, 1155-1160.	12.6	577
23	Estimating the impact of school closure on influenza transmission from Sentinel data. Nature, 2008, 452, 750-754.	27.8	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.	6.3	573
25	Modeling targeted layered containment of an influenza pandemic in the United States. Proceedings of the United States of America, 2008, 105, 4639-4644.	7.1	570
26	Transmission dynamics and epidemiology of BSE in British cattle. Nature, 1996, 382, 779-788.	27.8	565
27	Evolution and epidemic spread of SARS-CoV-2 in Brazil. Science, 2020, 369, 1255-1260.	12.6	454
28	Reducing Plasmodium falciparum Malaria Transmission in Africa: A Model-Based Evaluation of Intervention Strategies. PLoS Medicine, 2010, 7, e1000324.	8.4	451
29	Closure of schools during an influenza pandemic. Lancet Infectious Diseases, The, 2009, 9, 473-481.	9.1	448
30	Household Transmission of 2009 Pandemic Influenza A (H1N1) Virus in the United States. New England Journal of Medicine, 2009, 361, 2619-2627.	27.0	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.	4.0	412
32	Reduction in mobility and COVID-19 transmission. Nature Communications, 2021, 12, 1090.	12.8	394
33	Transmission intensity and impact of control policies on the foot and mouth epidemic in Great Britain. Nature, 2001, 413, 542-548.	27.8	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.	10.7	341
35	Planning for smallpox outbreaks. Nature, 2003, 425, 681-685.	27.8	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.	7.1	315

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37	Assessing the global threat from Zika virus. Science, 2016, 353, aaf8160.	12.6	311
38	Middle East respiratory syndrome coronavirus: quantification of the extent of the epidemic, surveillance biases, and transmissibility. Lancet Infectious Diseases, The, 2014, 14, 50-56.	9.1	298
39	Face Mask Use and Control of Respiratory Virus Transmission in Households. Emerging Infectious Diseases, 2009, 15, 233-241.	4.3	298
40	The Epidemiology of Severe Acute Respiratory Syndrome in the 2003 Hong Kong Epidemic: An Analysis of All 1755 Patients. Annals of Internal Medicine, 2004, 141, 662.	3.9	293
41	Face Mask Use and Control of Respiratory Virus Transmission in Households. Emerging Infectious Diseases, 2009, 15, 233-241.	4.3	285
42	Safety, tolerability and viral kinetics during SARS-CoV-2 human challenge in young adults. Nature Medicine, 2022, 28, 1031-1041.	30.7	281
43	Chaos, Persistence, and Evolution of Strain Structure in Antigenically Diverse Infectious Agents. Science, 1998, 280, 912-915.	12.6	272
44	Capturing human behaviour. Nature, 2007, 446, 733-733.	27.8	271
45	Countering the Zika epidemic in Latin America. Science, 2016, 353, 353-354.	12.6	250
46	Yellow Fever in Africa: Estimating the Burden of Disease and Impact of Mass Vaccination from Outbreak and Serological Data. PLoS Medicine, 2014, 11, e1001638.	8.4	239
47	Age groups that sustain resurging COVID-19 epidemics in the United States. Science, 2021, 371, .	12.6	239
48	Rapid folding with and without populated intermediates in the homologous four-helix proteins Im7 and Im9 1 1Edited by A. R. Fersht. Journal of Molecular Biology, 1999, 286, 1597-1608.	4.2	236
49	After Ebola in West Africa — Unpredictable Risks, Preventable Epidemics. New England Journal of Medicine, 2016, 375, 587-596.	27.0	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. Influenza and Other Respiratory Viruses, 2011, 5, 170-179.	3.4	213
51	Use of serological surveys to generate key insights into the changing global landscape of infectious disease. Lancet, The, 2016, 388, 728-730.	13.7	213
52	Assessing the severity of the novel influenza A/H1N1 pandemic. BMJ: British Medical Journal, 2009, 339, b2840-b2840.	2.3	212
53	Bayesian Reconstruction of Disease Outbreaks by Combining Epidemiologic and Genomic Data. PLoS Computational Biology, 2014, 10, e1003457.	3.2	207
54	Modeling the impact on virus transmission of <i>Wolbachia</i> -mediated blocking of dengue virus infection of <i>Aedes aegypti</i> . Science Translational Medicine, 2015, 7, 279ra37.	12.4	204

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55	Will travel restrictions control the international spread of pandemic influenza?. Nature Medicine, 2006, 12, 497-499.	30.7	200
56	Benefits and risks of the Sanofi-Pasteur dengue vaccine: Modeling optimal deployment. Science, 2016, 353, 1033-1036.	12.6	195
57	Predicted vCJD mortality in Great Britain. Nature, 2000, 406, 583-584.	27.8	187
58	Transmission dynamics and epidemiology of dengue: insights from age–stratified sero–prevalence surveys. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 757-768.	4.0	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. PLoS Medicine, 2016, 13, e1002181.	8.4	178
60	Modelling the impact of vector control interventions on Anopheles gambiae population dynamics. Parasites and Vectors, 2011, 4, 153.	2.5	177
61	General structural motifs of amyloid protofilaments. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16248-16253.	7.1	176
62	West African Ebola Epidemic after One Year — Slowing but Not Yet under Control. New England Journal of Medicine, 2015, 372, 584-587.	27.0	174
63	Managing and Reducing Uncertainty in an Emerging Influenza Pandemic. New England Journal of Medicine, 2009, 361, 112-115.	27.0	172
64	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 1381-1389.	9.1	171
65	Potential Biases in Estimating Absolute and Relative Case-Fatality Risks during Outbreaks. PLoS Neglected Tropical Diseases, 2015, 9, e0003846.	3.0	170
66	Estimates of the changing age-burden of Plasmodium falciparum malaria disease in sub-Saharan Africa. Nature Communications, 2014, 5, 3136.	12.8	169
67	When are pathogen genome sequences informative of transmission events?. PLoS Pathogens, 2018, 14, e1006885.	4.7	169
68	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.	5.8	160
69	PUBLIC HEALTH: Enhanced: Public Health Risk from the Avian H5N1 Influenza Epidemic. Science, 2004, 304, 968-969.	12.6	154
70	Adapting hospital capacity to meet changing demands during the COVID-19 pandemic. BMC Medicine, 2020, 18, 329.	5.5	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. Lancet, The, 2021, 397, 398-408.	13.7	144
72	Spatial heterogeneity and the persistence of infectious diseases. Journal of Theoretical Biology, 2004, 229, 349-359.	1.7	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. Lancet Infectious Diseases, The, 2015, 15, 825-832.	9.1	141
74	Real-time Estimates in Early Detection of SARS. Emerging Infectious Diseases, 2012, 12, 110-113.	4.3	141
75	Modelling the Impact of Antiretroviral Use in Resource-Poor Settings. PLoS Medicine, 2006, 3, e124.	8.4	137
76	Response to COVID-19 in South Korea and implications for lifting stringent interventions. BMC Medicine, 2020, 18, 321.	5.5	137
77	A review of epidemiological parameters from Ebola outbreaks to inform early public health decision-making. Scientific Data, 2015, 2, 150019.	5.3	136
78	Mapping global variation in dengue transmission intensity. Science Translational Medicine, 2020, 12, .	12.4	131
79	Smallpox transmission and control: Spatial dynamics in Great Britain. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12637-12642.	7.1	125
80	The epidemiology of BSE in cattle herds in Great Britain. II. Model construction and analysis of transmission dynamics. Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 803-838.	4.0	120
81	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.	9.1	120
82	Non-pharmaceutical interventions, vaccination, and the SARS-CoV-2 delta variant in England: a mathematical modelling study. Lancet, The, 2021, 398, 1825-1835.	13.7	119
83	Ebola Virus Disease among Children in West Africa. New England Journal of Medicine, 2015, 372, 1274-1277.	27.0	118
84	Changing composition of SARS-CoV-2 lineages and rise of Delta variant in England. EClinicalMedicine, 2021, 39, 101064.	7.1	116
85	Likelihood-based estimation of continuous-time epidemic models from time-series data: application to measles transmission in London. Journal of the Royal Society Interface, 2008, 5, 885-897.	3.4	111
86	Challenges and opportunities in controlling mosquito-borne infections. Nature, 2018, 559, 490-497.	27.8	111
87	Early events in protein folding. Current Opinion in Structural Biology, 2003, 13, 75-81.	5.7	109
88	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.	6.3	107
89	Adoption and impact of non-pharmaceutical interventions for COVID-19. Wellcome Open Research, 2020, 5, 59.	1.8	106
90	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, 6189.	12.8	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. Journal of Antimicrobial Chemotherapy, 2003, 51, 977-990.	3.0	102
92	Determinants of the Spatiotemporal Dynamics of the 2009 H1N1 Pandemic in Europe: Implications for Real-Time Modelling. PLoS Computational Biology, 2011, 7, e1002205.	3.2	102
93	Ultra-fast Barrier-limited Folding in the Peripheral Subunit-binding Domain Family. Journal of Molecular Biology, 2005, 353, 427-446.	4.2	99
94	Within-host viral dynamics of dengue serotype 1 infection. Journal of the Royal Society Interface, 2014, 11, 20140094.	3.4	97
95	The role of rapid diagnostics in managing Ebola epidemics. Nature, 2015, 528, S109-S116.	27.8	97
96	Unraveling the drivers of MERS-CoV transmission. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9081-9086.	7.1	95
97	Transmission scenarios for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) and how to tell them apart. Eurosurveillance, 2013, 18, .	7.0	95
98	Φ-Analysis at the Experimental Limits: Mechanism of β-Hairpin Formation. Journal of Molecular Biology, 2006, 360, 865-881.	4.2	94
99	Epidemiological and genetic analysis of severe acute respiratory syndrome. Lancet Infectious Diseases, The, 2004, 4, 672-683.	9.1	93
100	Outbreak of Ebola virus disease in the Democratic Republic of the Congo, April–May, 2018: an epidemiological study. Lancet, The, 2018, 392, 213-221.	13.7	93
101	Estimating the human health risk from possible BSE infection of the British sheep flock. Nature, 2002, 415, 420-424.	27.8	91
102	Implications of BSE infection screening data for the scale of the British BSE epidemic and current European infection levels. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2179-2190.	2.6	90
103	Transmission Parameters of the 2001 Foot and Mouth Epidemic in Great Britain. PLoS ONE, 2007, 2, e502.	2.5	90
104	Using Wolbachia for Dengue Control: Insights from Modelling. Trends in Parasitology, 2018, 34, 102-113.	3.3	90
105	Key epidemiological drivers and impact of interventions in the 2020 SARS-CoV-2 epidemic in England. Science Translational Medicine, 2021, 13, .	12.4	89
106	Evaluating the Adequacy of Gravity Models as a Description of Human Mobility for Epidemic Modelling. PLoS Computational Biology, 2012, 8, e1002699.	3.2	86
107	Spatial dynamics of the 1918 influenza pandemic in England, Wales and the United States. Journal of the Royal Society Interface, 2011, 8, 233-243.	3.4	85
108	Contrasting benefits of different artemisinin combination therapies as first-line malaria treatments using model-based cost-effectiveness analysis. Nature Communications, 2014, 5, 5606.	12.8	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. PLoS Computational Biology, 2015, 11, e1004138.	3.2	85
110	Epidemiological determinants of the pattern and magnitude of the vCJD epidemic in Great Britain. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 2443-2452.	2.6	84
111	Influenza Infection Rates, Measurement Errors and the Interpretation of Paired Serology. PLoS Pathogens, 2012, 8, e1003061.	4.7	84
112	Estimating Dengue Transmission Intensity from Sero-Prevalence Surveys in Multiple Countries. PLoS Neglected Tropical Diseases, 2015, 9, e0003719.	3.0	84
113	Seroprevalence of IgG antibodies to SARS-coronavirus in asymptomatic or subclinical population groups. Epidemiology and Infection, 2006, 134, 211-221.	2.1	83
114	Influenza Transmission in Households During the 1918 Pandemic. American Journal of Epidemiology, 2011, 174, 505-514.	3.4	83
115	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.	4.0	83
116	Immune correlates of protection for dengue: State of the art and research agenda. Vaccine, 2017, 35, 4659-4669.	3.8	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. Clinical Infectious Diseases, 2021, 73, e4047-e4057.	5.8	81
118	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	1.8	81
119	Rapid amyloid fiber formation from the fast-folding WW domain FBP28. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9814-9819.	7.1	78
120	The epidemiological impact of antiretroviral use predicted by mathematical models: a review. Emerging Themes in Epidemiology, 2005, 2, 9.	2.7	78
121	Updated projections of future vCJD deaths in the UK. BMC Infectious Diseases, 2003, 3, 4.	2.9	76
122	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.	2.3	76
123	The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom. PLOS Currents, 2009, 1, RRN1130.	1.4	76
124	More Realistic Models of Sexually Transmitted Disease Transmission Dynamics. Sexually Transmitted Diseases, 2000, 27, 600-609.	1.7	75
125	Studies Needed to Address Public Health Challenges of the 2009 H1N1 Influenza Pandemic: Insights from Modeling. PLoS Medicine, 2010, 7, e1000275.	8.4	75
126	Under-reporting of deaths limits our understanding of true burden of covid-19. BMJ, The, 2021, 375, n2239.	6.0	75

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127	Transmission scenarios for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) and how to tell them apart. Eurosurveillance, 2013, 18, .	7.0	75
128	Improving influenza vaccine virus selectionReport of a WHO informal consultation held at WHO headquarters, Geneva, Switzerland, 14–16 June 2010. Influenza and Other Respiratory Viruses, 2012, 6, 142-152.	3.4	73
129	Assessing the epidemiological effect of wolbachia for dengue control. Lancet Infectious Diseases, The, 2015, 15, 862-866.	9.1	73
130	SARS-CoV Antibody Prevalence in All Hong Kong Patient Contacts. Emerging Infectious Diseases, 2004, 10, 1653-1656.	4.3	72
131	Exposure Patterns Driving Ebola Transmission in West Africa: A Retrospective Observational Study. PLoS Medicine, 2016, 13, e1002170.	8.4	72
132	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.	3.8	71
133	One-state Downhill versus Conventional Protein Folding. Journal of Molecular Biology, 2004, 344, 295-301.	4.2	70
134	Frequent Travelers and Rate of Spread of Epidemics. Emerging Infectious Diseases, 2007, 13, 1288-1294.	4.3	70
135	Key data for outbreak evaluation: building on the Ebola experience. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160371.	4.0	70
136	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. Lancet, The, 2020, 395, e110-e111.	13.7	70
137	The Ecological Dynamics of Fecal Contamination and Salmonella Typhi and Salmonella Paratyphi A in Municipal Kathmandu Drinking Water. PLoS Neglected Tropical Diseases, 2016, 10, e0004346.	3.0	70
138	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.	3.3	68
139	The global burden of yellow fever. ELife, 2021, 10, .	6.0	66
140	Essential epidemiological mechanisms underpinning the transmission dynamics of seasonal influenza. Journal of the Royal Society Interface, 2012, 9, 304-312.	3.4	65
141	Children's role in the COVID-19 pandemic: a systematic review of early surveillance data on susceptibility, severity, and transmissibility. Scientific Reports, 2021, 11, 13903.	3.3	65
142	Control of a highly pathogenic H5N1 avian influenza outbreak in the GB poultry flock. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2287-2295.	2.6	64
143	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, E2782-91.	7.1	64
144	A simple approach to measure transmissibility and forecast incidence. Epidemics, 2018, 22, 29-35.	3.0	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. Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 781-801.	4.0	62
146	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, E6920-E6926.	7.1	62
147	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	1.8	62
148	The seasonal influence of climate and environment on yellow fever transmission across Africa. PLoS Neglected Tropical Diseases, 2018, 12, e0006284.	3.0	62
149	Antigen-driven CD4+ T cell and HIV-1 dynamics: Residual viral replication under highly active antiretroviral therapy. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 15167-15172.	7.1	61
150	Factors determining the pattern of the variant Creutzfeldt-Jakob disease (vCJD) epidemic in the UK. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 689-698.	2.6	60
151	Potential role of human challenge studies for investigation of influenza transmission. Lancet Infectious Diseases, The, 2011, 11, 879-886.	9.1	60
152	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.	7.1	60
153	Ebola Virus Disease among Male and Female Persons in West Africa. New England Journal of Medicine, 2016, 374, 96-98.	27.0	60
154	outbreaker2: a modular platform for outbreak reconstruction. BMC Bioinformatics, 2018, 19, 363.	2.6	60
155	Bayesian inference of transmission chains using timing of symptoms, pathogen genomes and contact data. PLoS Computational Biology, 2019, 15, e1006930.	3.2	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. Wellcome Open Research, 2020, 5, 170.	1.8	58
157	Epidemiological inference for partially observed epidemics: The example of the 2001 foot and mouth epidemic in Great Britain. Epidemics, 2009, 1, 21-34.	3.0	57
158	Transmission Characteristics of the 2009 H1N1 Influenza Pandemic: Comparison of 8 Southern Hemisphere Countries. PLoS Pathogens, 2011, 7, e1002225.	4.7	57
159	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.	4.0	55
160	Reduction of the HIV-1-infected T-cell reservoir by immune activation treatment is dose-dependent and restricted by the potency of antiretroviral drugs. Aids, 2000, 14, 659-669.	2.2	54
161	Assessment of the risk posed by bovine spongiform encephalopathy in cattle in Great Britain and the impact of potential changes to current control measures. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1579-1584.	2.6	54
162	Improving the realism of deterministic multi-strain models: implications for modelling influenza A. Journal of the Royal Society Interface, 2009, 6, 509-518.	3.4	52

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163	Analysis of dam–calf pairs of BSE cases: confirmation of a maternal risk enhancement. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1647-1656.	2.6	50
164	Lives saved with vaccination for 10 pathogens across 112 countries in a pre-COVID-19 world. ELife, 2021, 10, .	6.0	50
165	Estimating Air Temperature and Its Influence on Malaria Transmission across Africa. PLoS ONE, 2013, 8, e56487.	2.5	50
166	Early Insights from Statistical and Mathematical Modeling of Key Epidemiologic Parameters of COVID-19. Emerging Infectious Diseases, 2020, 26, e1-e14.	4.3	50
167	Estimation of the number of people incubating variant CJD. Lancet, The, 1998, 352, 1353-1354.	13.7	49
168	Simulation and Experiment at High Temperatures: Ultrafast Folding of a Thermophilic Protein by Nucleation-condensation. Journal of Molecular Biology, 2005, 347, 855-870.	4.2	49
169	Transmission Dynamics, Border Entry Screening, and School Holidays during the 2009 Influenza A (H1N1) Pandemic, China. Emerging Infectious Diseases, 2012, 18, 758-766.	4.3	49
170	Mass vaccination to control chickenpox: the influence of zoster Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 7231-7235.	7.1	48
171	Antigenic Diversity, Transmission Mechanisms, and the Evolution of Pathogens. PLoS Computational Biology, 2009, 5, e1000536.	3.2	48
172	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.	5.8	48
173	Within-farm transmission dynamics of foot and mouth disease as revealed by the 2001 epidemic in Great Britain. Epidemics, 2012, 4, 158-169.	3.0	48
174	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.	8.4	47
175	Infectious disease: Tough choices to reduce Ebola transmission. Nature, 2014, 515, 192-194.	27.8	47
176	Vaccine equity in low and middle income countries: a systematic review and meta-analysis. International Journal for Equity in Health, 2022, 21, .	3.5	46
177	The impact of cross-immunity, mutation and stochastic extinction on pathogen diversity. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 2431-2438.	2.6	44
178	Analysis of 'downhill' protein folding. Nature, 2007, 445, E14-E15.	27.8	44
179	Threshold parameters for a model of epidemic spread among households and workplaces. Journal of the Royal Society Interface, 2009, 6, 979-987.	3.4	44
180	Key traveller groups of relevance to spatial malaria transmission: a survey of movement patterns in four sub-Saharan African countries. Malaria Journal, 2016, 15, 200.	2.3	43

#	Article	IF	CITATIONS
181	Mathematical models of human mobility of relevance to malaria transmission in Africa. Scientific Reports, 2018, 8, 7713.	3.3	43
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