

T Deirdre Hollingsworth

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157
papers

8,480
citations

38
h-index

91
g-index

175
ext. papers

10,182
ext. citations

8.2
avg, IF

6.96
L-index

#	Paper	IF	Citations
157	How will country-based mitigation measures influence the course of the COVID-19 epidemic?. <i>Lancet, The</i> , 2020 , 395, 931-934	40	1866
156	Pandemic potential of a strain of influenza A (H1N1): early findings. <i>Science</i> , 2009 , 324, 1557-61	33.3	1403
155	HIV-1 transmission, by stage of infection. <i>Journal of Infectious Diseases</i> , 2008 , 198, 687-93	7	485
154	Reducing Plasmodium falciparum malaria transmission in Africa: a model-based evaluation of intervention strategies. <i>PLoS Medicine</i> , 2010 , 7, e1000324	11.6	362
153	Modeling infectious disease dynamics in the complex landscape of global health. <i>Science</i> , 2015 , 347, aaa4339	33.3	324
152	Variation in HIV-1 set-point viral load: epidemiological analysis and an evolutionary hypothesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 17441-6	11.5	306
151	Will travel restrictions control the international spread of pandemic influenza?. <i>Nature Medicine</i> , 2006 , 12, 497-9	50.5	171
150	Virulence and pathogenesis of HIV-1 infection: an evolutionary perspective. <i>Science</i> , 2014 , 343, 1243727	33.3	163
149	Efficacy of contact tracing for the containment of the 2019 novel coronavirus (COVID-19). <i>Journal of Epidemiology and Community Health</i> , 2020 , 74, 861-866	5.1	140
148	A resurgent HIV-1 epidemic among men who have sex with men in the era of potent antiretroviral therapy. <i>Aids</i> , 2008 , 22, 1071-7	3.5	137
147	The coverage and frequency of mass drug administration required to eliminate persistent transmission of soil-transmitted helminths. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130435	5.8	129
146	How effective is school-based deworming for the community-wide control of soil-transmitted helminths?. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2027	4.8	114
145	The potential contribution of mass treatment to the control of Plasmodium falciparum malaria. <i>PLoS ONE</i> , 2011 , 6, e20179	3.7	104
144	Can chemotherapy alone eliminate the transmission of soil transmitted helminths?. <i>Parasites and Vectors</i> , 2014 , 7, 266	4	102
143	Should the Goal for the Treatment of Soil Transmitted Helminth (STH) Infections Be Changed from Morbidity Control in Children to Community-Wide Transmission Elimination?. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003897	4.8	88
142	Investment in child and adolescent health and development: key messages from Disease Control Priorities, 3rd Edition. <i>Lancet, The</i> , 2018 , 391, 687-699	40	88
141	HIV-1 transmitting couples have similar viral load set-points in Rakai, Uganda. <i>PLoS Pathogens</i> , 2010 , 6, e1000876	7.6	79

140	Mitigation strategies for pandemic influenza A: balancing conflicting policy objectives. <i>PLoS Computational Biology</i> , 2011 , 7, e1001076	5	77
139	Quantitative analyses and modelling to support achievement of the 2020 goals for nine neglected tropical diseases. <i>Parasites and Vectors</i> , 2015 , 8, 630	4	72
138	Heterosexual HIV-1 infectiousness and antiretroviral use: systematic review of prospective studies of discordant couples. <i>Epidemiology</i> , 2013 , 24, 110-21	3.1	70
137	Key questions for modelling COVID-19 exit strategies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201405	4.4	65
136	Effectiveness of a triple-drug regimen for global elimination of lymphatic filariasis: a modelling study. <i>Lancet Infectious Diseases, The</i> , 2017 , 17, 451-458	25.5	63
135	The Efficacy of Contact Tracing for the Containment of the 2019 Novel Coronavirus (COVID-19)		62
134	Frequent travelers and rate of spread of epidemics. <i>Emerging Infectious Diseases</i> , 2007 , 13, 1288-94	10.2	61
133	Gradual acquisition of immunity to severe malaria with increasing exposure. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20142657	4.4	56
132	Health-seeking behaviour, diagnostics and transmission dynamics in the control of visceral leishmaniasis in the Indian subcontinent. <i>Nature</i> , 2015 , 528, S102-8	50.4	54
131	Measuring and modelling the effects of systematic non-adherence to mass drug administration. <i>Epidemics</i> , 2017 , 18, 56-66	5.1	49
130	Cost and cost-effectiveness of soil-transmitted helminth treatment programmes: systematic review and research needs. <i>Parasites and Vectors</i> , 2015 , 8, 355	4	49
129	Modelling strategies to break transmission of lymphatic filariasis--aggregation, adherence and vector competence greatly alter elimination. <i>Parasites and Vectors</i> , 2015 , 8, 547	4	49
128	Understanding the transmission dynamics of <i>Leishmania donovani</i> to provide robust evidence for interventions to eliminate visceral leishmaniasis in Bihar, India. <i>Parasites and Vectors</i> , 2016 , 9, 25	4	47
127	Interrupting transmission of soil-transmitted helminths: a study protocol for cluster randomised trials evaluating alternative treatment strategies and delivery systems in Kenya. <i>BMJ Open</i> , 2015 , 5, e008950		47
126	27 years of the HIV epidemic amongst men having sex with men in the Netherlands: an in depth mathematical model-based analysis. <i>Epidemics</i> , 2010 , 2, 66-79	5.1	45
125	Cost-effectiveness of scaling up mass drug administration for the control of soil-transmitted helminths: a comparison of cost function and constant costs analyses. <i>Lancet Infectious Diseases, The</i> , 2016 , 16, 838-846	25.5	43
124	An economic evaluation of expanding hookworm control strategies to target the whole community. <i>Parasites and Vectors</i> , 2015 , 8, 570	4	42
123	Optimisation of mass chemotherapy to control soil-transmitted helminth infection. <i>Lancet, The</i> , 2012 , 379, 289-90	40	41

122	Elimination of visceral leishmaniasis in the Indian subcontinent: a comparison of predictions from three transmission models. <i>Epidemics</i> , 2017 , 18, 67-80	5.1	40
121	Economic Considerations for Moving beyond the Kato-Katz Technique for Diagnosing Intestinal Parasites As We Move Towards Elimination. <i>Trends in Parasitology</i> , 2017 , 33, 435-443	6.4	40
120	Modelling the distribution and transmission intensity of lymphatic filariasis in sub-Saharan Africa prior to scaling up interventions: integrated use of geostatistical and mathematical modelling. <i>Parasites and Vectors</i> , 2015 , 8, 560	4	40
119	COVID-19 spread in the UK: the end of the beginning?. <i>Lancet, The</i> , 2020 , 396, 587-590	40	38
118	Seven challenges for modelling indirect transmission: vector-borne diseases, macroparasites and neglected tropical diseases. <i>Epidemics</i> , 2015 , 10, 16-20	5.1	36
117	Cost-effectiveness of screening for HIV in primary care: a health economics modelling analysis. <i>Lancet HIV,the</i> , 2017 , 4, e465-e474	7.8	35
116	Modeling the interruption of the transmission of soil-transmitted helminths by repeated mass chemotherapy of school-age children. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3323	4.8	34
115	Key traveller groups of relevance to spatial malaria transmission: a survey of movement patterns in four sub-Saharan African countries. <i>Malaria Journal</i> , 2016 , 15, 200	3.6	33
114	Predicting lymphatic filariasis transmission and elimination dynamics using a multi-model ensemble framework. <i>Epidemics</i> , 2017 , 18, 16-28	5.1	32
113	Uniting mathematics and biology for control of visceral leishmaniasis. <i>Trends in Parasitology</i> , 2015 , 31, 251-9	6.4	31
112	Predicted Impact of COVID-19 on Neglected Tropical Disease Programs and the Opportunity for Innovation. <i>Clinical Infectious Diseases</i> , 2021 , 72, 1463-1466	11.6	31
111	Six challenges in the eradication of infectious diseases. <i>Epidemics</i> , 2015 , 10, 97-101	5.1	30
110	Assessing Strategies Against Gambiense Sleeping Sickness Through Mathematical Modeling. <i>Clinical Infectious Diseases</i> , 2018 , 66, S286-S292	11.6	30
109	Quantification of the natural history of visceral leishmaniasis and consequences for control. <i>Parasites and Vectors</i> , 2015 , 8, 521	4	29
108	Analysis of the population-level impact of co-administering ivermectin with albendazole or mebendazole for the control and elimination of. <i>Parasite Epidemiology and Control</i> , 2016 , 1, 177-187	2.6	29
107	Variational data assimilation with epidemic models. <i>Journal of Theoretical Biology</i> , 2009 , 258, 591-602	2.3	29
106	Seven challenges for model-driven data collection in experimental and observational studies. <i>Epidemics</i> , 2015 , 10, 78-82	5.1	26
105	Variations in visceral leishmaniasis burden, mortality and the pathway to care within Bihar, India. <i>Parasites and Vectors</i> , 2017 , 10, 601	4	26

104	A comparison of methods for trend estimation. <i>Applied Economics Letters</i> , 1999 , 6, 103-109	1	26
103	The Role of More Sensitive Helminth Diagnostics in Mass Drug Administration Campaigns: Elimination and Health Impacts. <i>Advances in Parasitology</i> , 2016 , 94, 343-392	3.2	26
102	Economic evaluations of lymphatic filariasis interventions: a systematic review and research needs. <i>Parasites and Vectors</i> , 2018 , 11, 75	4	25
101	Innovative tools and approaches to end the transmission of Mycobacterium leprae. <i>Lancet Infectious Diseases</i> , 2017 , 17, e298-e305	25.5	25
100	Policy Recommendations From Transmission Modeling for the Elimination of Visceral Leishmaniasis in the Indian Subcontinent. <i>Clinical Infectious Diseases</i> , 2018 , 66, S301-S308	11.6	24
99	Understanding the relationship between egg- and antigen-based diagnostics of Schistosoma mansoni infection pre- and post-treatment in Uganda. <i>Parasites and Vectors</i> , 2018 , 11, 21	4	23
98	Controlling infectious disease outbreaks: Lessons from mathematical modelling. <i>Journal of Public Health Policy</i> , 2009 , 30, 328-41	2.9	23
97	Guidelines for multi-model comparisons of the impact of infectious disease interventions. <i>BMC Medicine</i> , 2019 , 17, 163	11.4	22
96	Seven challenges in modeling vaccine preventable diseases. <i>Epidemics</i> , 2015 , 10, 11-5	5.1	21
95	Models of Trachoma Transmission and Their Policy Implications: From Control to Elimination. <i>Clinical Infectious Diseases</i> , 2018 , 66, S275-S280	11.6	21
94	Economic Evaluations of Mass Drug Administration: The Importance of Economies of Scale and Scope. <i>Clinical Infectious Diseases</i> , 2018 , 66, 1298-1303	11.6	20
93	Counting Down the 2020 Goals for 9 Neglected Tropical Diseases: What Have We Learned From Quantitative Analysis and Transmission Modeling?. <i>Clinical Infectious Diseases</i> , 2018 , 66, S237-S244	11.6	20
92	High Transmissibility During Early HIV Infection Among Men Who Have Sex With Men-San Francisco, California. <i>Journal of Infectious Diseases</i> , 2015 , 211, 1757-60	7	19
91	The role of case proximity in transmission of visceral leishmaniasis in a highly endemic village in Bangladesh. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006453	4.8	18
90	100 Years of Mass Deworming Programmes: A Policy Perspective From the World Bank's Disease Control Priorities Analyses. <i>Advances in Parasitology</i> , 2018 , 100, 127-154	3.2	16
89	Achieving Elimination as a Public Health Problem for Schistosoma mansoni and S. haematobium: When Is Community-Wide Treatment Required?. <i>Journal of Infectious Diseases</i> , 2020 , 221, S525-S530	7	16
88	Identifying English Practices that Are High Antibiotic Prescribers Accounting for Comorbidities and Other Legitimate Medical Reasons for Variation. <i>EClinicalMedicine</i> , 2018 , 6, 36-41	11.3	16
87	Are Alternative Strategies Required to Accelerate the Global Elimination of Lymphatic Filariasis? Insights From Mathematical Models. <i>Clinical Infectious Diseases</i> , 2018 , 66, S260-S266	11.6	16

86	Learning from multi-model comparisons: Collaboration leads to insights, but limitations remain. <i>Epidemics</i> , 2017 , 18, 1-3	5.1	15
85	Understanding heterogeneities in mosquito-bite exposure and infection distributions for the elimination of lymphatic filariasis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	15
84	Estimating the public health impact of the effect of herpes simplex virus suppressive therapy on plasma HIV-1 viral load. <i>Aids</i> , 2009 , 23, 1005-13	3.5	15
83	Infectious disease and health systems modelling for local decision making to control neglected tropical diseases. <i>BMC Proceedings</i> , 2015 , 9, S6	2.3	14
82	Age trends in asymptomatic and symptomatic <i>Leishmania donovani</i> infection in the Indian subcontinent: A review and analysis of data from diagnostic and epidemiological studies. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006803	4.8	13
81	Inferring transmission trees to guide targeting of interventions against visceral leishmaniasis and post-kala-azar dermal leishmaniasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25742-25750	11.5	12
80	Understanding the relationship between prevalence of microfilariae and antigenaemia using a model of lymphatic filariasis infection. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2016 , 110, 118-24	2	11
79	Targeted Treatment of Yaws With Household Contact Tracing: How Much Do We Miss?. <i>American Journal of Epidemiology</i> , 2018 , 187, 837-844	3.8	11
78	Seasonally timed treatment programs for <i>Ascaris lumbricoides</i> to increase impact-An investigation using mathematical models. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006195	4.8	11
77	Mass Deworming Programs in Middle Childhood and Adolescence 2017 , 165-182		10
76	Evaluating the Evidence for Lymphatic Filariasis Elimination. <i>Trends in Parasitology</i> , 2019 , 35, 860-869	6.4	9
75	Trachoma Prevalence After Discontinuation of Mass Azithromycin Distribution. <i>Journal of Infectious Diseases</i> , 2020 , 221, S519-S524	7	9
74	Risk factors for UK <i>Plasmodium falciparum</i> cases. <i>Malaria Journal</i> , 2014 , 13, 298	3.6	9
73	Bihar's Pioneering School-Based Deworming Programme: Lessons Learned in Deworming over 17 Million Indian School-Age Children in One Sustainable Campaign. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004106	4.8	9
72	The roadmap towards elimination of lymphatic filariasis by 2030: insights from quantitative and mathematical modelling. <i>Gates Open Research</i> , 2019 , 3, 1538	2.4	9
71	The Dynamics of <i>Ascaris lumbricoides</i> Infections. <i>Bulletin of Mathematical Biology</i> , 2016 , 78, 815-833	2.1	9
70	Optimising sampling regimes and data collection to inform surveillance for trachoma control. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006531	4.8	9
69	Policy Lessons From Quantitative Modeling of Leprosy. <i>Clinical Infectious Diseases</i> , 2018 , 66, S281-S285	11.6	9

68	Making Transmission Models Accessible to End-Users: The Example of TRANSFIL. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005206	4.8	8
67	Interpretation of correlations in setpoint viral load in transmitting couples. <i>Aids</i> , 2010 , 24, 2596-7	3.5	8
66	Towards Evidence-based Control of <i>Opisthorchis viverrini</i> . <i>Trends in Parasitology</i> , 2021 , 37, 370-380	6.4	8
65	Dynamics of SARS-CoV-2 with waning immunity in the UK population. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200274	5.8	8
64	Maps and metrics of insecticide-treated net access, use, and nets-per-capita in Africa from 2000-2020. <i>Nature Communications</i> , 2021 , 12, 3589	17.4	8
63	Disruptions to schistosomiasis programmes due to COVID-19: an analysis of potential impact and mitigation strategies. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021 , 115, 236-244	2.4	8
62	Modelling trachoma post-2020: opportunities for mitigating the impact of COVID-19 and accelerating progress towards elimination. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021 , 115, 213-221	2	8
61	Quantifying the value of surveillance data for improving model predictions of lymphatic filariasis elimination. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006674	4.8	8
60	Implications of the COVID-19 pandemic in eliminating trachoma as a public health problem. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021 , 115, 222-228	2	8
59	Brief report: HIV-1 transmissions during asymptomatic infection: exploring the impact of changes in HIV-1 viral load due to coinfections. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2015 , 68, 594-8	3.1	7
58	Elimination or Resurgence: Modelling Lymphatic Filariasis After Reaching the 1% Microfilaremia Prevalence Threshold. <i>Journal of Infectious Diseases</i> , 2020 , 221, S503-S509	7	7
57	Insights from quantitative and mathematical modelling on the proposed WHO 2030 goal for schistosomiasis. <i>Gates Open Research</i> , 2019 , 3, 1517	2.4	7
56	Insights from quantitative and mathematical modelling on the proposed WHO 2030 goal for schistosomiasis. <i>Gates Open Research</i> , 2019 , 3, 1517	2.4	7
55	Simple Approximations for Epidemics with Exponential and Fixed Infectious Periods. <i>Bulletin of Mathematical Biology</i> , 2015 , 77, 1539-55	2.1	6
54	When, Who, and How to Sample: Designing Practical Surveillance for 7 Neglected Tropical Diseases as We Approach Elimination. <i>Journal of Infectious Diseases</i> , 2020 , 221, S499-S502	7	6
53	The SARS-CoV-2 pandemic: remaining uncertainties in our understanding of the epidemiology and transmission dynamics of the virus, and challenges to be overcome. <i>Interface Focus</i> , 2021 , 11, 20210008	3.9	6
52	An imperfect tool: contact tracing could provide valuable reductions in COVID-19 transmission if good adherence can be achieved and maintained.		6
51	The impact of mass drug administration on <i>Schistosoma haematobium</i> infection: what is required to achieve morbidity control and elimination?. <i>Parasites and Vectors</i> , 2020 , 13, 554	4	6

50	Engagement and adherence trade-offs for SARS-CoV-2 contact tracing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200270	5.8	6
49	Delays in lymphatic filariasis elimination programmes due to COVID-19, and possible mitigation strategies. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021 , 115, 261-268	2	6
48	Community-based testing of migrants for infectious diseases (COMBAT-ID): impact, acceptability and cost-effectiveness of identifying infectious diseases among migrants in primary care: protocol for an interrupted time-series, qualitative and health economic analysis. <i>BMJ Open</i> , 2019 , 9, e029188	3	5
47	Policy implications of the potential use of a novel vaccine to prevent infection with <i>Schistosoma mansoni</i> with or without mass drug administration. <i>Vaccine</i> , 2020 , 38, 4379-4386	4.1	5
46	The use of mixture density networks in the emulation of complex epidemiological individual-based models. <i>PLoS Computational Biology</i> , 2020 , 16, e1006869	5	5
45	Kernel-density estimation and approximate Bayesian computation for flexible epidemiological model fitting in Python. <i>Epidemics</i> , 2018 , 25, 80-88	5.1	5
44	Fit for purpose: do we have the right tools to sustain NTD elimination?. <i>BMC Proceedings</i> , 2015 , 9, S5	2.3	5
43	Defining a prevalence level to describe the elimination of Lymphatic Filariasis (LF) transmission and designing monitoring & evaluating (M&E) programmes post the cessation of mass drug administration (MDA). <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008644	4.8	5
42	Evaluating the potential impact of interruptions to neglected tropical disease programmes due to COVID-19. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021 , 115, 201-204	2	5
41	Development and evaluation of a Markov model to predict changes in schistosomiasis prevalence in response to praziquantel treatment: a case study of <i>Schistosoma mansoni</i> in Uganda and Mali. <i>Parasites and Vectors</i> , 2016 , 9, 543	4	5
40	The impact of seasonality on the dynamics and control of <i>Ascaris lumbricoides</i> infections. <i>Journal of Theoretical Biology</i> , 2018 , 453, 96-107	2.3	5
39	A strengthening evidence-base for mass deworming, but questions remain. <i>Lancet, The</i> , 2017 , 389, 231-233	4	4
38	MDA helminth control: more questions than answers. <i>The Lancet Global Health</i> , 2015 , 3, e583-4	13.6	4
37	Complex interactions in soil-transmitted helminth co-infections from a cross-sectional study in Sri Lanka. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2018 , 112, 397-404	2	4
36	Mass Drug Administration and beyond: how can we strengthen health systems to deliver complex interventions to eliminate neglected tropical diseases?. <i>BMC Proceedings</i> , 2015 , 9, S7	2.3	4
35	Responsible modelling: Unit testing for infectious disease epidemiology. <i>Epidemics</i> , 2020 , 33, 100425	5.1	4
34	Deworming children for soil-transmitted helminths in low and middle-income countries: systematic review and individual participant data network meta-analysis. <i>Journal of Development Effectiveness</i> , 2019 , 11, 288-306	0.6	4
33	Vaccination or mass drug administration against schistosomiasis: a hypothetical cost-effectiveness modelling comparison. <i>Parasites and Vectors</i> , 2019 , 12, 499	4	3

32	Transmission Dynamics of <i>Ascaris lumbricoides</i> □ Theory and Observation 2013 , 231-262		3
31	Insights from mathematical modelling and quantitative analysis on the proposed WHO 2030 targets for visceral leishmaniasis on the Indian subcontinent. <i>Gates Open Research</i> , 2019 , 3, 1651	2.4	3
30	Engagement and adherence trade-offs for SARS-CoV-2 contact tracing		3
29	Sustainable Surveillance of Neglected Tropical Diseases for the Post-Elimination Era. <i>Clinical Infectious Diseases</i> , 2021 , 72, S210-S216	11.6	3
28	What Can Modeling Tell Us About Sustainable End Points for Neglected Tropical Diseases?. <i>Clinical Infectious Diseases</i> , 2021 , 72, S129-S133	11.6	3
27	Mass deworming for improving health and cognition of children in endemic helminth areas: A systematic review and individual participant data network meta-analysis. <i>Campbell Systematic Reviews</i> , 2019 , 15, e1058	2.1	3
26	Towards a comprehensive research and development plan to support the control, elimination and eradication of neglected tropical diseases. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021 , 115, 196-199	2	3
25	Commentary on the use of the reproduction number during the COVID-19 pandemic. <i>Statistical Methods in Medical Research</i> , 2021 , 9622802211037079	2.3	3
24	Gender-related differences in prevalence, intensity and associated risk factors of <i>Schistosoma</i> infections in Africa: A systematic review and meta-analysis. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009083	4.8	2
23	Challenges in evaluating risks and policy options around endemic establishment or elimination of novel pathogens. <i>Epidemics</i> , 2021 , 37, 100507	5.1	2
22	6.16 Mathematical models of transmission and control 2009 ,		2
21	Integrating geostatistical maps and transmission models using adaptive multiple importance sampling		2
20	Epidemic interventions: insights from classic results. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200263	5.8	2
19	Strengthening data collection for neglected tropical diseases: What data are needed for models to better inform tailored intervention programmes?. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009351	4.8	2
18	Contact tracing is an imperfect tool for controlling COVID-19 transmission and relies on population adherence. <i>Nature Communications</i> , 2021 , 12, 5412	17.4	2
17	SCHISTOX: An individual based model for the epidemiology and control of schistosomiasis. <i>Infectious Disease Modelling</i> , 2021 , 6, 438-447	15.7	2
16	How universal does universal test and treat have to be?. <i>Lancet HIV</i> , 2020 , 7, e306-e308	7.8	1
15	Response--Influenza. <i>Science</i> , 2009 , 325, 1072-1073	33.3	1

14	Responsible modelling: Unit testing for infectious disease epidemiology		1
13	Forecasting Trachoma Control and Identifying Transmission-Hotspots. <i>Clinical Infectious Diseases</i> , 2021 , 72, S134-S139	11.6	1
12	SARS-CoV-2 antigen testing: weighing the false positives against the costs of failing to control transmission. <i>Lancet Respiratory Medicine</i> , 2021 , 9, 685-687	35.1	1
11	Modelling the Impact of Vector Control on Lymphatic Filariasis Programs: Current Approaches and Limitations. <i>Clinical Infectious Diseases</i> , 2021 , 72, S152-S157	11.6	1
10	Maintaining Low Prevalence of <i>Schistosoma mansoni</i> : Modeling the Effect of Less Frequent Treatment. <i>Clinical Infectious Diseases</i> , 2021 , 72, S140-S145	11.6	1
9	Statistical methods for linking geostatistical maps and transmission models: Application to lymphatic filariasis in East Africa. <i>Spatial and Spatio-temporal Epidemiology</i> , 2020 , 100391	3.5	0
8	How modelling can help steer the course set by the World Health Organization 2021-2030 roadmap on neglected tropical diseases.. <i>Gates Open Research</i> , 2021 , 5, 112	2.4	0
7	Developments in statistical inference when assessing spatiotemporal disease clustering with the tau statistic. <i>Spatial Statistics</i> , 2021 , 42, 100438	2.2	0
6	Determining the optimal strategies to achieve elimination of transmission for <i>Schistosoma mansoni</i> .. <i>Parasites and Vectors</i> , 2022 , 15, 55	4	0
5	How modelling can help steer the course set by the World Health Organization 2021-2030 roadmap on neglected tropical diseases. <i>Gates Open Research</i> , 2021 , 5, 112	2.4	
4	Health economic analyses of latent tuberculosis infection screening and preventive treatment among people living with HIV in lower tuberculosis incidence settings: a systematic review. <i>Wellcome Open Research</i> , 2021 , 6, 51	4.8	
3	Diagnosing risk factors alongside mass drug administration using serial diagnostic tests-which test first?. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2018 , 112, 342-348	2	
2	Estimating HIV, HCV and HSV2 incidence from emergency department serosurvey. <i>Gates Open Research</i> , 2021 , 5, 116	2.4	
1	Impact of intensified control on visceral leishmaniasis in a highly-endemic district of Bihar, India: an interrupted time series analysis.. <i>Epidemics</i> , 2022 , 39, 100562	5.1	