T Deirdre Hollingsworth

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Determining the optimal strategies to achieve elimination of transmission for Schistosoma mansoni.. *Parasites and Vectors*, **2022**, 15, 55	4	0
156	Impact of intensified control on visceral leishmaniasis in a highly-endemic district of Bihar, India: an interrupted time series analysis.. *Epidemics*, **2022**, 39, 100562	5.1	
155	Gender-related differences in prevalence, intensity and associated risk factors of Schistosoma infections in Africa: A systematic review and meta-analysis. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009083	4.8	2
154	Challenges in evaluating risks and policy options around endemic establishment or elimination of novel pathogens. *Epidemics*, **2021**, 37, 100507	5.1	2
153	The SARS-CoV-2 pandemic: remaining uncertainties in our understanding of the epidemiology and transmission dynamics of the virus, and challenges to be overcome.. *Interface Focus*, **2021**, 11, 20210008	3.9	6
152	Evaluating the potential impact of interruptions to neglected tropical disease programmes due to COVID-19. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2021**, 115, 201-204	2	5
151	Engagement and adherence trade-offs for SARS-CoV-2 contact tracing. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2021**, 376, 20200270	5.8	6
150	Towards Evidence-based Control of Opisthorchis viverrini. *Trends in Parasitology*, **2021**, 37, 370-380	6.4	8
149	Epidemic interventions: insights from classic results. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2021**, 376, 20200263	5.8	2
148	Strengthening data collection for neglected tropical diseases: What data are needed for models to better inform tailored intervention programmes?. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009351	4.8	2
147	Dynamics of SARS-CoV-2 with waning immunity in the UK population. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2021**, 376, 20200274	5.8	8
146	Forecasting Trachoma Control and Identifying Transmission-Hotspots. *Clinical Infectious Diseases*, **2021**, 72, S134-S139	11.6	1
145	Maps and metrics of insecticide-treated net access, use, and nets-per-capita in Africa from 2000-2020. *Nature Communications*, **2021**, 12, 3589	17.4	8
144	Sustainable Surveillance of Neglected Tropical Diseases for the Post-Elimination Era. *Clinical Infectious Diseases*, **2021**, 72, S210-S216	11.6	3
143	SARS-CoV-2 antigen testing: weighing the false positives against the costs of failing to control transmission. *Lancet Respiratory Medicine,the*, **2021**, 9, 685-687	35.1	1
142	Modelling the Impact of Vector Control on Lymphatic Filariasis Programs: Current Approaches and Limitations. *Clinical Infectious Diseases*, **2021**, 72, S152-S157	11.6	1
141	What Can Modeling Tell Us About Sustainable End Points for Neglected Tropical Diseases?. *Clinical Infectious Diseases*, **2021**, 72, S129-S133	11.6	3

140	Maintaining Low Prevalence of Schistosoma mansoni: Modeling the Effect of Less Frequent Treatment. *Clinical Infectious Diseases*, **2021**, 72, S140-S145	11.6	1
139	How modelling can help steer the course set by the World Health Organization 2021-2030 roadmap on neglected tropical diseases.. *Gates Open Research*, **2021**, 5, 112	2.4	0
138	Developments in statistical inference when assessing spatiotemporal disease clustering with the tau statistic. *Spatial Statistics*, **2021**, 42, 100438	2.2	0
137	Predicted Impact of COVID-19 on Neglected Tropical Disease Programs and the Opportunity for Innovation. *Clinical Infectious Diseases*, **2021**, 72, 1463-1466	11.6	31
136	Towards a comprehensive research and development plan to support the control, elimination and eradication of neglected tropical diseases. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2021**, 115, 196-199	2	3
135	Delays in lymphatic filariasis elimination programmes due to COVID-19, and possible mitigation strategies. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2021**, 115, 261-268	2	6
134	Disruptions to schistosomiasis programmes due to COVID-19: an analysis of potential impact and mitigation strategies. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2021**, 115, 236-244	2	8
133	Modelling trachoma post-2020: opportunities for mitigating the impact of COVID-19 and accelerating progress towards elimination. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2021**, 115, 213-221	2	8
132	Commentary on the use of the reproduction number during the COVID-19 pandemic. *Statistical Methods in Medical Research*, **2021**, 9622802211037079	2.3	3
131	Contact tracing is an imperfect tool for controlling COVID-19 transmission and relies on population adherence. *Nature Communications*, **2021**, 12, 5412	17.4	2
130	Implications of the COVID-19 pandemic in eliminating trachoma as a public health problem. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2021**, 115, 222-228	2	8
129	SCHISTOX: An individual based model for the epidemiology and control of schistosomiasis. *Infectious Disease Modelling*, **2021**, 6, 438-447	15.7	2
128	Statistical methods for linking geostatistical maps and transmission models: Application to lymphatic filariasis in East Africa. *Spatial and Spatio-temporal Epidemiology*, **2020**, 100391	3.5	0
127	Trachoma Prevalence After Discontinuation of Mass Azithromycin Distribution. *Journal of Infectious Diseases*, **2020**, 221, S519-S524	7	9
126	Policy implications of the potential use of a novel vaccine to prevent infection with Schistosoma mansoni with or without mass drug administration. *Vaccine*, **2020**, 38, 4379-4386	4.1	5
125	When, Who, and How to Sample: Designing Practical Surveillance for 7 Neglected Tropical Diseases as We Approach Elimination. *Journal of Infectious Diseases*, **2020**, 221, S499-S502	7	6
124	Elimination or Resurgence: Modelling Lymphatic Filariasis After Reaching the 1% Microfilaremia Prevalence Threshold. *Journal of Infectious Diseases*, **2020**, 221, S503-S509	7	7
123	The use of mixture density networks in the emulation of complex epidemiological individual-based models. *PLoS Computational Biology*, **2020**, 16, e1006869	5	5

122	How will country-based mitigation measures influence the course of the COVID-19 epidemic?. *Lancet, The*, **2020**, 395, 931-934	40	1866
121	Efficacy of contact tracing for the containment of the 2019 novel coronavirus (COVID-19). *Journal of Epidemiology and Community Health*, **2020**, 74, 861-866	5.1	140
120	How universal does universal test and treat have to be?. *Lancet HIV,the*, **2020**, 7, e306-e308	7.8	1
119	Responsible modelling: Unit testing for infectious disease epidemiology. *Epidemics*, **2020**, 33, 100425	5.1	4
118	Achieving Elimination as a Public Health Problem for Schistosoma mansoni and S. haematobium: When Is Community-Wide Treatment Required?. *Journal of Infectious Diseases*, **2020**, 221, S525-S530	7	16
117	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). *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008644	4.8	5
116	The impact of mass drug administration on Schistosoma haematobium infection: what is required to achieve morbidity control and elimination?. *Parasites and Vectors*, **2020**, 13, 554	4	6
115	COVID-19 spread in the UK: the end of the beginning?. *Lancet, The*, **2020**, 396, 587-590	40	38
114	Key questions for modelling COVID-19 exit strategies. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20201405	4.4	65
113	Inferring transmission trees to guide targeting of interventions against visceral leishmaniasis and post-kala-azar dermal leishmaniasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 25742-25750	11.5	12
112	Vaccination or mass drug administration against schistosomiasis: a hypothetical cost-effectiveness modelling comparison. *Parasites and Vectors*, **2019**, 12, 499	4	3
111	Evaluating the Evidence for Lymphatic Filariasis Elimination. *Trends in Parasitology*, **2019**, 35, 860-869	6.4	9
110	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. *BMJ Open*, **2019**, 9, e029188	3	5
109	Guidelines for multi-model comparisons of the impact of infectious disease interventions. *BMC Medicine*, **2019**, 17, 163	11.4	22
108	Insights from quantitative and mathematical modelling on the proposed WHO 2030 goal for schistosomiasis. *Gates Open Research*, **2019**, 3, 1517	2.4	7
107	Insights from quantitative and mathematical modelling on the proposed WHO 2030 goal for schistosomiasis. *Gates Open Research*, **2019**, 3, 1517	2.4	7
106	The roadmap towards elimination of lymphatic filariasis by 2030: insights from quantitative and mathematical modelling. *Gates Open Research*, **2019**, 3, 1538	2.4	9
105	Insights from mathematical modelling and quantitative analysis on the proposed WHO 2030 targets for visceral leishmaniasis on the Indian subcontinent. *Gates Open Research*, **2019**, 3, 1651	2.4	3

104	Mass deworming for improving health and cognition of children in endemic helminth areas: A systematic review and individual participant data network meta-analysis. *Campbell Systematic Reviews*, **2019**, 15, e1058	2.1	3
103	Deworming children for soil-transmitted helminths in low and middle-income countries: systematic review and individual participant data network meta-analysis. *Journal of Development Effectiveness*, **2019**, 11, 288-306	0.6	4
102	Understanding heterogeneities in mosquito-bite exposure and infection distributions for the elimination of lymphatic filariasis. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	15
101	Economic Evaluations of Mass Drug Administration: The Importance of Economies of Scale and Scope. *Clinical Infectious Diseases*, **2018**, 66, 1298-1303	11.6	20
100	Complex interactions in soil-transmitted helminth co-infections from a cross-sectional study in Sri Lanka. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2018**, 112, 397-404	2	4
99	Economic evaluations of lymphatic filariasis interventions: a systematic review and research needs. *Parasites and Vectors*, **2018**, 11, 75	4	25
98	Understanding the relationship between egg- and antigen-based diagnostics of Schistosoma mansoni infection pre- and post-treatment in Uganda. *Parasites and Vectors*, **2018**, 11, 21	4	23
97	Targeted Treatment of Yaws With Household Contact Tracing: How Much Do We Miss?. *American Journal of Epidemiology*, **2018**, 187, 837-844	3.8	11
96	Counting Down the 2020 Goals for 9 Neglected Tropical Diseases: What Have We Learned From Quantitative Analysis and Transmission Modeling?. *Clinical Infectious Diseases*, **2018**, 66, S237-S244	11.6	20
95	Kernel-density estimation and approximate Bayesian computation for flexible epidemiological model fitting in Python. *Epidemics*, **2018**, 25, 80-88	5.1	5
94	Seasonally timed treatment programs for Ascaris lumbricoides to increase impact-An investigation using mathematical models. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006195	4.8	11
93	100 Years of Mass Deworming Programmes: A Policy Perspective From the World Bank‘s Disease Control Priorities Analyses. *Advances in Parasitology*, **2018**, 100, 127-154	3.2	16
92	Investment in child and adolescent health and development: key messages from Disease Control Priorities, 3rd Edition. *Lancet, The*, **2018**, 391, 687-699	40	88
91	Diagnosing risk factors alongside mass drug administration using serial diagnostic tests-which test first?. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2018**, 112, 342-348	2	
90	Identifying English Practices that Are High Antibiotic Prescribers Accounting for Comorbidities and Other Legitimate Medical Reasons for Variation. *EClinicalMedicine*, **2018**, 6, 36-41	11.3	16
89	Age trends in asymptomatic and symptomatic Leishmania donovani infection in the Indian subcontinent: A review and analysis of data from diagnostic and epidemiological studies. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006803	4.8	13
88	Quantifying the value of surveillance data for improving model predictions of lymphatic filariasis elimination. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006674	4.8	8
87	The role of case proximity in transmission of visceral leishmaniasis in a highly endemic village in Bangladesh. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006453	4.8	18

86	Optimising sampling regimes and data collection to inform surveillance for trachoma control. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006531	4.8	9
85	Policy Lessons From Quantitative Modeling of Leprosy. *Clinical Infectious Diseases*, **2018**, 66, S281-S285	11.6	9
84	Assessing Strategies Against Gambiense Sleeping Sickness Through Mathematical Modeling. *Clinical Infectious Diseases*, **2018**, 66, S286-S292	11.6	30
83	Are Alternative Strategies Required to Accelerate the Global Elimination of Lymphatic Filariasis? Insights From Mathematical Models. *Clinical Infectious Diseases*, **2018**, 66, S260-S266	11.6	16
82	Models of Trachoma Transmission and Their Policy Implications: From Control to Elimination. *Clinical Infectious Diseases*, **2018**, 66, S275-S280	11.6	21
81	The impact of seasonality on the dynamics and control of Ascaris lumbricoides infections. *Journal of Theoretical Biology*, **2018**, 453, 96-107	2.3	5
80	Policy Recommendations From Transmission Modeling for the Elimination of Visceral Leishmaniasis in the Indian Subcontinent. *Clinical Infectious Diseases*, **2018**, 66, S301-S308	11.6	24
79	Elimination of visceral leishmaniasis in the Indian subcontinent: a comparison of predictions from three transmission models. *Epidemics*, **2017**, 18, 67-80	5.1	40
78	Measuring and modelling the effects of systematic non-adherence to mass drug administration. *Epidemics*, **2017**, 18, 56-66	5.1	49
77	Learning from multi-model comparisons: Collaboration leads to insights, but limitations remain. *Epidemics*, **2017**, 18, 1-3	5.1	15
76	Economic Considerations for Moving beyond the Kato-Katz Technique for Diagnosing Intestinal Parasites As We Move Towards Elimination. *Trends in Parasitology*, **2017**, 33, 435-443	6.4	40
75	Predicting lymphatic filariasis transmission and elimination dynamics using a multi-model ensemble framework. *Epidemics*, **2017**, 18, 16-28	5.1	32
74	Effectiveness of a triple-drug regimen for global elimination of lymphatic filariasis: a modelling study. *Lancet Infectious Diseases, The*, **2017**, 17, 451-458	25.5	63
73	A strengthening evidence-base for mass deworming, but questions remain. *Lancet, The*, **2017**, 389, 231-233	45	4
72	Making Transmission Models Accessible to End-Users: The Example of TRANSFIL. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005206	4.8	8
71	Cost-effectiveness of screening for HIV in primary care: a health economics modelling analysis. *Lancet HIV,the*, **2017**, 4, e465-e474	7.8	35
70	Innovative tools and approaches to end the transmission of Mycobacterium leprae. *Lancet Infectious Diseases, The*, **2017**, 17, e298-e305	25.5	25
69	Variations in visceral leishmaniasis burden, mortality and the pathway to care within Bihar, India. *Parasites and Vectors*, **2017**, 10, 601	4	26

68	Mass Deworming Programs in Middle Childhood and Adolescence **2017**, 165-182		10
67	Analysis of the population-level impact of co-administering ivermectin with albendazole or mebendazole for the control and elimination of. *Parasite Epidemiology and Control*, **2016**, 1, 177-187	2.6	29
66	Cost-effectiveness of scaling up mass drug administration for the control of soil-transmitted helminths: a comparison of cost function and constant costs analyses. *Lancet Infectious Diseases, The*, **2016**, 16, 838-846	25.5	43
65	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	3.6	33
64	Understanding the transmission dynamics of Leishmania donovani to provide robust evidence for interventions to eliminate visceral leishmaniasis in Bihar, India. *Parasites and Vectors*, **2016**, 9, 25	4	47
63	Understanding the relationship between prevalence of microfilariae and antigenaemia using a model of lymphatic filariasis infection. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2016**, 110, 118-24	2	11
62	The Role of More Sensitive Helminth Diagnostics in Mass Drug Administration Campaigns: Elimination and Health Impacts. *Advances in Parasitology*, **2016**, 94, 343-392	3.2	26
61	Development and evaluation of a Markov model to predict changes in schistosomiasis prevalence in response to praziquantel treatment: a case study of Schistosoma mansoni in Uganda and Mali. *Parasites and Vectors*, **2016**, 9, 543	4	5
60	The Dynamics of Ascaris lumbricoides Infections. *Bulletin of Mathematical Biology*, **2016**, 78, 815-833	2.1	9
59	Modeling infectious disease dynamics in the complex landscape of global health. *Science*, **2015**, 347, aaa4339	33.3	324
58	Seven challenges for modelling indirect transmission: vector-borne diseases, macroparasites and neglected tropical diseases. *Epidemics*, **2015**, 10, 16-20	5.1	36
57	Uniting mathematics and biology for control of visceral leishmaniasis. *Trends in Parasitology*, **2015**, 31, 251-9	6.4	31
56	Brief report: HIV-1 transmissions during asymptomatic infection: exploring the impact of changes in HIV-1 viral load due to coinfections. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2015**, 68, 594-8	3.1	7
55	Seven challenges in modeling vaccine preventable diseases. *Epidemics*, **2015**, 10, 11-5	5.1	21
54	Simple Approximations for Epidemics with Exponential and Fixed Infectious Periods. *Bulletin of Mathematical Biology*, **2015**, 77, 1539-55	2.1	6
53	Cost and cost-effectiveness of soil-transmitted helminth treatment programmes: systematic review and research needs. *Parasites and Vectors*, **2015**, 8, 355	4	49
52	MDA helminth control: more questions than answers. *The Lancet Global Health*, **2015**, 3, e583-4	13.6	4
51	Quantification of the natural history of visceral leishmaniasis and consequences for control. *Parasites and Vectors*, **2015**, 8, 521	4	29

50	Six challenges in the eradication of infectious diseases. *Epidemics*, **2015**, 10, 97-101	5.1	30
49	Seven challenges for model-driven data collection in experimental and observational studies. *Epidemics*, **2015**, 10, 78-82	5.1	26
48	Health-seeking behaviour, diagnostics and transmission dynamics in the control of visceral leishmaniasis in the Indian subcontinent. *Nature*, **2015**, 528, S102-8	50.4	54
47	Interrupting transmission of soil-transmitted helminths: a study protocol for cluster randomised trials evaluating alternative treatment strategies and delivery systems in Kenya. *BMJ Open*, **2015**, 5, e008950	3	47
46	Fit for purpose: do we have the right tools to sustain NTD elimination?. *BMC Proceedings*, **2015**, 9, S5	2.3	5
45	Infectious disease and health systems modelling for local decision making to control neglected tropical diseases. *BMC Proceedings*, **2015**, 9, S6	2.3	14
44	Mass Drug Administration and beyond: how can we strengthen health systems to deliver complex interventions to eliminate neglected tropical diseases?. *BMC Proceedings*, **2015**, 9, S7	2.3	4
43	Quantitative analyses and modelling to support achievement of the 2020 goals for nine neglected tropical diseases. *Parasites and Vectors*, **2015**, 8, 630	4	72
42	Modelling strategies to break transmission of lymphatic filariasis--aggregation, adherence and vector competence greatly alter elimination. *Parasites and Vectors*, **2015**, 8, 547	4	49
41	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. *Parasites and Vectors*, **2015**, 8, 560	4	40
40	An economic evaluation of expanding hookworm control strategies to target the whole community. *Parasites and Vectors*, **2015**, 8, 570	4	42
39	Should the Goal for the Treatment of Soil Transmitted Helminth (STH) Infections Be Changed from Morbidity Control in Children to Community-Wide Transmission Elimination?. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0003897	4.8	88
38	Bihar's Pioneering School-Based Deworming Programme: Lessons Learned in Deworming over 17 Million Indian School-Age Children in One Sustainable Campaign. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0004106	4.8	9
37	High Transmissibility During Early HIV Infection Among Men Who Have Sex With Men-San Francisco, California. *Journal of Infectious Diseases*, **2015**, 211, 1757-60	7	19
36	Gradual acquisition of immunity to severe malaria with increasing exposure. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20142657	4.4	56
35	Risk factors for UK Plasmodium falciparum cases. *Malaria Journal*, **2014**, 13, 298	3.6	9
34	Can chemotherapy alone eliminate the transmission of soil transmitted helminths?. *Parasites and Vectors*, **2014**, 7, 266	4	102
33	Modeling the interruption of the transmission of soil-transmitted helminths by repeated mass chemotherapy of school-age children. *PLoS Neglected Tropical Diseases*, **2014**, 8, e3323	4.8	34

32	The coverage and frequency of mass drug administration required to eliminate persistent transmission of soil-transmitted helminths. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369, 20130435	5.8	129
31	Virulence and pathogenesis of HIV-1 infection: an evolutionary perspective. *Science*, **2014**, 343, 1243727	33.3	163
30	Transmission Dynamics of Ascaris lumbricoides Theory and Observation **2013**, 231-262		3
29	How effective is school-based deworming for the community-wide control of soil-transmitted helminths?. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2027	4.8	114
28	Heterosexual HIV-1 infectiousness and antiretroviral use: systematic review of prospective studies of discordant couples. *Epidemiology*, **2013**, 24, 110-21	3.1	70
27	Optimisation of mass chemotherapy to control soil-transmitted helminth infection. *Lancet, The*, **2012**, 379, 289-90	40	41
26	The potential contribution of mass treatment to the control of Plasmodium falciparum malaria. *PLoS ONE*, **2011**, 6, e20179	3.7	104
25	Mitigation strategies for pandemic influenza A: balancing conflicting policy objectives. *PLoS Computational Biology*, **2011**, 7, e1001076	5	77
24	Reducing Plasmodium falciparum malaria transmission in Africa: a model-based evaluation of intervention strategies. *PLoS Medicine*, **2010**, 7, e1000324	11.6	362
23	HIV-1 transmitting couples have similar viral load set-points in Rakai, Uganda. *PLoS Pathogens*, **2010**, 6, e1000876	7.6	79
22	Interpretation of correlations in setpoint viral load in transmitting couples. *Aids*, **2010**, 24, 2596-7	3.5	8
21	27 years of the HIV epidemic amongst men having sex with men in the Netherlands: an in depth mathematical model-based analysis. *Epidemics*, **2010**, 2, 66-79	5.1	45
20	Pandemic potential of a strain of influenza A (H1N1): early findings. *Science*, **2009**, 324, 1557-61	33.3	1403
19	Response--Influenza. *Science*, **2009**, 325, 1072-1073	33.3	1
18	Controlling infectious disease outbreaks: Lessons from mathematical modelling. *Journal of Public Health Policy*, **2009**, 30, 328-41	2.9	23
17	Variational data assimilation with epidemic models. *Journal of Theoretical Biology*, **2009**, 258, 591-602	2.3	29
16	Estimating the public health impact of the effect of herpes simplex virus suppressive therapy on plasma HIV-1 viral load. *Aids*, **2009**, 23, 1005-13	3.5	15
15	6.16 Mathematical models of transmission and control **2009**,		2

14	HIV-1 transmission, by stage of infection. *Journal of Infectious Diseases*, **2008**, 198, 687-93	7	485
13	A resurgent HIV-1 epidemic among men who have sex with men in the era of potent antiretroviral therapy. *Aids*, **2008**, 22, 1071-7	3.5	137
12	Frequent travelers and rate of spread of epidemics. *Emerging Infectious Diseases*, **2007**, 13, 1288-94	10.2	61
11	Variation in HIV-1 set-point viral load: epidemiological analysis and an evolutionary hypothesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 17441-6	11.5	306
10	Will travel restrictions control the international spread of pandemic influenza?. *Nature Medicine*, **2006**, 12, 497-9	50.5	171
9	A comparison of methods for trend estimation. *Applied Economics Letters*, **1999**, 6, 103-109	1	26
8	How modelling can help steer the course set by the World Health Organization 2021-2030 roadmap on neglected tropical diseases. *Gates Open Research*,5, 112	2.4	
7	Responsible modelling: Unit testing for infectious disease epidemiology		1
6	The Efficacy of Contact Tracing for the Containment of the 2019 Novel Coronavirus (COVID-19)		62
5	An imperfect tool: contact tracing could provide valuable reductions in COVID-19 transmission if good adherence can be achieved and maintained.		6
4	Integrating geostatistical maps and transmission models using adaptive multiple importance sampling		2
3	Engagement and adherence trade-offs for SARS-CoV-2 contact tracing		3
2	Health economic analyses of latent tuberculosis infection screening and preventive treatment among people living with HIV in lower tuberculosis incidence settings: a systematic review. *Wellcome Open Research*,6, 51	4.8	
1	Estimating HIV, HCV and HSV2 incidence from emergency department serosurvey. *Gates Open Research*,5, 116	2.4	