

Roy M Anderson

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167
papers

18,243
citations

47
h-index

134
g-index

176
ext. papers

20,980
ext. citations

12.5
avg, IF

7.23
L-index

#	Paper	IF	Citations
167	Population biology of infectious diseases: Part I. <i>Nature</i> , 1979 , 280, 361-7	50.4	2001
166	How will country-based mitigation measures influence the course of the COVID-19 epidemic?. <i>Lancet, The</i> , 2020 , 395, 931-934	40	1866
165	Regulation and Stability of Host-Parasite Population Interactions: I. Regulatory Processes. <i>Journal of Animal Ecology</i> , 1978 , 47, 219	4.7	1103
164	Population biology of infectious diseases: Part II. <i>Nature</i> , 1979 , 280, 455-61	50.4	893
163	Transmission dynamics of the etiological agent of SARS in Hong Kong: impact of public health interventions. <i>Science</i> , 2003 , 300, 1961-6	33.3	823
162	Factors that make an infectious disease outbreak controllable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 6146-51	11.5	767
161	Epidemiological determinants of spread of causal agent of severe acute respiratory syndrome in Hong Kong. <i>Lancet, The</i> , 2003 , 361, 1761-6	40	691
160	Transmission dynamics of HIV infection. <i>Nature</i> , 1987 , 326, 137-42	50.4	598
159	The foot-and-mouth epidemic in Great Britain: pattern of spread and impact of interventions. <i>Science</i> , 2001 , 292, 1155-60	33.3	501
158	HIV-1 transmission, by stage of infection. <i>Journal of Infectious Diseases</i> , 2008 , 198, 687-93	7	485
157	Vaccination and herd immunity to infectious diseases. <i>Nature</i> , 1985 , 318, 323-9	50.4	475
156	Immunological modulation and evasion by helminth parasites in human populations. <i>Nature</i> , 1993 , 365, 797-805	50.4	456
155	Sexual mixing patterns and sex-differentials in teenage exposure to HIV infection in rural Zimbabwe. <i>Lancet, The</i> , 2002 , 359, 1896-903	40	419
154	Helminth infections of humans: mathematical models, population dynamics, and control. <i>Advances in Parasitology</i> , 1985 , 24, 1-101	3.2	401
153	Regulation and Stability of Host-Parasite Population Interactions: II. Destabilizing Processes. <i>Journal of Animal Ecology</i> , 1978 , 47, 249	4.7	393
152	Population dynamics of fox rabies in Europe. <i>Nature</i> , 1981 , 289, 765-71	50.4	371
151	Modeling infectious disease dynamics in the complex landscape of global health. <i>Science</i> , 2015 , 347, aaa4339	33.3	324

150	Epidemiology, transmission dynamics and control of SARS: the 2002-2003 epidemic. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 1091-105	5.8	312
149	Transmission intensity and impact of control policies on the foot and mouth epidemic in Great Britain. <i>Nature</i> , 2001 , 413, 542-8	50.4	305
148	Challenges in creating herd immunity to SARS-CoV-2 infection by mass vaccination. <i>Lancet, The</i> , 2020 , 396, 1614-1616	40	272
147	The maintenance of strain structure in populations of recombining infectious agents. <i>Nature Medicine</i> , 1996 , 2, 437-42	50.5	241
146	Chaos, persistence, and evolution of strain structure in antigenically diverse infectious agents. <i>Science</i> , 1998 , 280, 912-5	33.3	234
145	Population dynamics of human helminth infections: control by chemotherapy. <i>Nature</i> , 1982 , 297, 557-63	50.4	227
144	Spatial heterogeneity and the design of immunization programs. <i>Mathematical Biosciences</i> , 1984 , 72, 83-111	3.9	182
143	Will travel restrictions control the international spread of pandemic influenza?. <i>Nature Medicine</i> , 2006 , 12, 497-9	50.5	171
142	Predicted vCJD mortality in Great Britain. <i>Nature</i> , 2000 , 406, 583-4	50.4	137
141	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
140	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
139	Multi-parallel qPCR provides increased sensitivity and diagnostic breadth for gastrointestinal parasites of humans: field-based inferences on the impact of mass deworming. <i>Parasites and Vectors</i> , 2016 , 9, 38	4	113
138	Why do so many clinical trials of therapies for Alzheimer's disease fail?. <i>Lancet, The</i> , 2017 , 390, 2327-2329	40	111
137	Can chemotherapy alone eliminate the transmission of soil transmitted helminths?. <i>Parasites and Vectors</i> , 2014 , 7, 266	4	102
136	Plasma tau, neurofilament light chain and amyloid- β levels and risk of dementia; a population-based cohort study. <i>Brain</i> , 2020 , 143, 1220-1232	11.2	90
135	The Epidemiology of HIV Infection: Variable Incubation Plus Infectious Periods and Heterogeneity in Sexual Activity. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 1988 , 151, 66	2.1	89
134	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
133	Parasite pathogenicity and the depression of host population equilibria. <i>Nature</i> , 1979 , 279, 150-152	50.4	86

132	Underwhelming the Immune Response: Effect of Slow Virus Growth on CD8 + -T-Lymphocyte Responses. <i>Journal of Virology</i> , 2004 , 78, 6079-6079	6.6	78
131	Mitigation strategies for pandemic influenza A: balancing conflicting policy objectives. <i>PLoS Computational Biology</i> , 2011 , 7, e1001076	5	77
130	Balancing sexual partnerships in an age and activity stratified model of HIV transmission in heterosexual populations. <i>Mathematical Medicine and Biology</i> , 1994 , 11, 161-92	1.3	75
129	Compliance with anthelmintic treatment in the neglected tropical diseases control programmes: a systematic review. <i>Parasites and Vectors</i> , 2016 , 9, 29	4	69
128	Review of the 2017 WHO Guideline: Preventive chemotherapy to control soil-transmitted helminth infections in at-risk population groups. An opportunity lost in translation. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006296	4.8	68
127	Populations and Infectious Diseases: Ecology or Epidemiology?. <i>Journal of Animal Ecology</i> , 1991 , 60, 1	4.7	68
126	Epidemiological determinants of the pattern and magnitude of the vCJD epidemic in Great Britain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998 , 265, 2443-52	4.4	63
125	Possible demographic consequences of HIV/AIDS epidemics. I. assuming HIV infection always leads to AIDS. <i>Mathematical Biosciences</i> , 1988 , 90, 475-505	3.9	61
124	Assessing the feasibility of interrupting the transmission of soil-transmitted helminths through mass drug administration: The DeWorm3 cluster randomized trial protocol. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006166	4.8	58
123	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
122	Population Dynamics of the Cestode <i>Caryophyllaeus laticeps</i> (Pallas, 1781) in the Bream (<i>Abramis brama</i> L.). <i>Journal of Animal Ecology</i> , 1974 , 43, 305	4.7	48
121	Investigating the Effectiveness of Current and Modified World Health Organization Guidelines for the Control of Soil-Transmitted Helminth Infections. <i>Clinical Infectious Diseases</i> , 2018 , 66, S253-S259	11.6	48
120	A Systematic Review of Longitudinal Studies Which Measure Alzheimer's Disease Biomarkers. <i>Journal of Alzheimer's Disease</i> , 2017 , 59, 1359-1379	4.3	47
119	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	4	47
118	The antibody recognition profiles of humans naturally infected with <i>Ascaris lumbricoides</i> . <i>Parasite Immunology</i> , 1989 , 11, 615-27	2.2	45
117	Effects, equity, and cost of school-based and community-wide treatment strategies for soil-transmitted helminths in Kenya: a cluster-randomised controlled trial. <i>Lancet, The</i> , 2019 , 393, 2039-2050	40	43
116	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
115	Optimisation of mass chemotherapy to control soil-transmitted helminth infection. <i>Lancet, The</i> , 2012 , 379, 289-90	40	41

114	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
113	The importance of patient compliance in repeated rounds of mass drug administration (MDA) for the elimination of intestinal helminth transmission. <i>Parasites and Vectors</i> , 2017 , 10, 291	4	40
112	Identifying optimal threshold statistics for elimination of hookworm using a stochastic simulation model. <i>Parasites and Vectors</i> , 2017 , 10, 321	4	39
111	Complex dynamic behaviours in the interaction between parasite population and the host's immune system. <i>International Journal for Parasitology</i> , 1998 , 28, 551-66	4.3	39
110	Comparison of the effectiveness of non-nucleoside reverse transcriptase inhibitor-containing and protease inhibitor-containing regimens using observational databases. <i>Aids</i> , 2001 , 15, 1133-42	3.5	39
109	Understanding the AIDS pandemic. <i>Scientific American</i> , 1992 , 266, 58-61, 64-6	0.5	38
108	COVID-19 spread in the UK: the end of the beginning?. <i>Lancet, The</i> , 2020 , 396, 587-590	4.0	38
107	Potential public health impact of imperfect HIV type 1 vaccines. <i>Journal of Infectious Diseases</i> , 2005 , 191 Suppl 1, S85-96	7	37
106	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
105	Understanding the within-host dynamics of influenza A virus: from theory to clinical implications. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	34
104	The design of schistosomiasis monitoring and evaluation programmes: The importance of collecting adult data to inform treatment strategies for <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006717	4.8	34
103	Assessing the interruption of the transmission of human helminths with mass drug administration alone: optimizing the design of cluster randomized trials. <i>Parasites and Vectors</i> , 2017 , 10, 93	4	33
102	Recent upturn in mortality in rural Zimbabwe: evidence for an early demographic impact of HIV-1 infection?. <i>Aids</i> , 1997 , 11, 1269-80	3.5	33
101	Discussion: The Kermack-McKendrick epidemic threshold theorem. <i>Bulletin of Mathematical Biology</i> , 1991 , 53, 1	2.1	33
100	Endemic infections in growing populations. <i>Mathematical Biosciences</i> , 1985 , 77, 141-156	3.9	33
99	Density-dependent effects on the weight of female <i>Ascaris lumbricoides</i> infections of humans and its impact on patterns of egg production. <i>Parasites and Vectors</i> , 2009 , 2, 11	4	32
98	The Impact of Anthelmintic Treatment on Human Gut Microbiota Based on Cross-Sectional and Pre- and Postdeworming Comparisons in Western Kenya. <i>MBio</i> , 2019 , 10,	7.8	31
97	Does infection with or vaccination against SARS-CoV-2 lead to lasting immunity?. <i>Lancet Respiratory Medicine, the</i> , 2021 , 9, 1450-1466	35.1	31

96	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
95	Community-level epidemiology of soil-transmitted helminths in the context of school-based deworming: Baseline results of a cluster randomised trial on the coast of Kenya. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007427	4.8	30
94	Vaccination and the population structure of antigenically diverse pathogens that exchange genetic material. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997 , 264, 1435-43	4.4	30
93	Sexual contact patterns between men and women and the spread of HIV-1 in urban centres in Africa. <i>Mathematical Medicine and Biology</i> , 1991 , 8, 221-47	1.3	30
92	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
91	Mathematical inference on helminth egg counts in stool and its applications in mass drug administration programmes to control soil-transmitted helminthiasis in public health. <i>Advances in Parasitology</i> , 2015 , 87, 193-247	3.2	28
90	Current epidemiological evidence for predisposition to high or low intensity human helminth infection: a systematic review. <i>Parasites and Vectors</i> , 2018 , 11, 65	4	27
89	Assessment of the prevalence of vCJD through testing tonsils and appendices for abnormal prion protein. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000 , 267, 23-9	4.4	26
88	Sources of variability in the measurement of <i>Ascaris lumbricoides</i> infection intensity by Kato-Katz and qPCR. <i>Parasites and Vectors</i> , 2017 , 10, 256	4	25
87	Some aspects of sexual behaviour and the potential demographic impact of AIDS in developing countries. <i>Social Science and Medicine</i> , 1992 , 34, 271-80	5.1	25
86	Comparison and validation of two mathematical models for the impact of mass drug administration on <i>Ascaris lumbricoides</i> and hookworm infection. <i>Epidemics</i> , 2017 , 18, 38-47	5.1	24
85	Soil-transmitted helminth reinfection four and six months after mass drug administration: results from the delta region of Myanmar. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0006591	4.8	23
84	Measuring the public-health impact of candidate HIV vaccines as part of the licensing process. <i>Lancet Infectious Diseases</i> , 2008 , 8, 200-7	25.5	23
83	Testing for soil-transmitted helminth transmission elimination: Analysing the impact of the sensitivity of different diagnostic tools. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006114	4.8	22
82	Divergent serotype replacement trends and increasing diversity in pneumococcal disease in high income settings reduce the benefit of expanding vaccine valency. <i>Scientific Reports</i> , 2020 , 10, 18977	4.9	20
81	Modelling the impact of a <i>Schistosoma mansoni</i> vaccine and mass drug administration to achieve morbidity control and transmission elimination. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007349	4.8	19
80	AIDS: trends, predictions, controversy. <i>Nature</i> , 1993 , 363, 393-4	50.4	19
79	Assessing the Potential Impact of the HIV-1 Epidemic on Orphanhood and the Demographic Structure of Populations in sub-Saharan Africa. <i>Population Studies</i> , 1994 , 48, 435-458	2.5	19

78	Understanding Heterogeneity in the Impact of National Neglected Tropical Disease Control Programmes: Evidence from School-Based Deworming in Kenya. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004108	4.8	19
77	How Can Viral Dynamics Models Inform Endpoint Measures in Clinical Trials of Therapies for Acute Viral Infections?. <i>PLoS ONE</i> , 2016 , 11, e0158237	3.7	19
76	The dynamics of biomarkers across the clinical spectrum of Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 74	9	18
75	Perspective: Clinical relevance of the dichotomous classification of Alzheimer's disease biomarkers: Should there be a "gray zone"?. <i>Alzheimer's and Dementia</i> , 2019 , 15, 1348-1356	1.2	17
74	An Analysis of the Influence of Host Morphometric Features on the Population Dynamics of Diplozoon paradoxum (Nordmann, 1832). <i>Journal of Animal Ecology</i> , 1974 , 43, 873	4.7	17
73	The importance of endpoint selection: How effective does a drug need to be for success in a clinical trial of a possible Alzheimer's disease treatment?. <i>European Journal of Epidemiology</i> , 2018 , 33, 635-644	12.1	16
72	The development of a stochastic mathematical model of Alzheimer's disease to help improve the design of clinical trials of potential treatments. <i>PLoS ONE</i> , 2018 , 13, e0190615	3.7	16
71	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
70	Temporal association patterns and dynamics of amyloid- β and tau in Alzheimer's disease. <i>European Journal of Epidemiology</i> , 2018 , 33, 657-666	12.1	15
69	Heterogeneity in transmission parameters of hookworm infection within the baseline data from the TUMIKIA study in Kenya. <i>Parasites and Vectors</i> , 2019 , 12, 442	4	15
68	No reason for complacency about the potential demographic impact of AIDS in Africa. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1993 , 87 Suppl 1, S19-22	2	15
67	Study design and baseline results of an open-label cluster randomized community-intervention trial to assess the effectiveness of a modified mass deworming program in reducing hookworm infection in a tribal population in southern India. <i>Contemporary Clinical Trials Communications</i> , 2017 , 7, 48-55	1.8	14
66	Mathematical Models and the Design of Public Health Policy: Hiv and Antiviral Therapy. <i>SIAM Review</i> , 1993 , 35, 1-16	7.4	14
65	Molecular evidence of hybridization between pig and human indicates an interbred species complex infecting humans. <i>ELife</i> , 2020 , 9,	8.9	14
64	Human population movement can impede the elimination of soil-transmitted helminth transmission in regions with heterogeneity in mass drug administration coverage and transmission potential between villages: a metapopulation analysis. <i>Parasites and Vectors</i> , 2019 , 12, 438	4	13
63	The increased sensitivity of qPCR in comparison to Kato-Katz is required for the accurate assessment of the prevalence of soil-transmitted helminth infection in settings that have received multiple rounds of mass drug administration. <i>Parasites and Vectors</i> , 2020 , 13, 324	4	13
62	A cross-sectional survey of soil-transmitted helminthiasis in two Myanmar villages receiving mass drug administration: epidemiology of infection with a focus on adults. <i>Parasites and Vectors</i> , 2017 , 10, 374	4	13
61	Determining post-treatment surveillance criteria for predicting the elimination of Schistosoma mansoni transmission. <i>Parasites and Vectors</i> , 2019 , 12, 437	4	12

60	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
59	Sampling strategies for monitoring and evaluation of morbidity targets for soil-transmitted helminths. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007514	4.8	11
58	The past matters: estimating intrinsic hookworm transmission intensity in areas with past mass drug administration to control lymphatic filariasis. <i>Parasites and Vectors</i> , 2017 , 10, 254	4	11
57	Possible Demographic Consequences of HIV/AIDS Epidemics: II, Assuming HIV Infection does not Necessarily Lead to AIDS. <i>Lecture Notes in Biomathematics</i> , 1989 , 220-248		10
56	Helminth lifespan interacts with non-compliance in reducing the effectiveness of anthelmintic treatment. <i>Parasites and Vectors</i> , 2018 , 11, 66	4	9
55	A Review of the BSE Epidemic in British Cattle. <i>EcoHealth</i> , 1999 , 5, 164-173		9
54	Association of TDP-43 proteinopathy, cerebral amyloid angiopathy, and Lewy bodies with cognitive impairment in individuals with or without Alzheimer's disease neuropathology. <i>Scientific Reports</i> , 2020 , 10, 14579	4.9	9
53	Epidemiology of communicable disease in small populations. <i>Journal of Molecular Medicine</i> , 1998 , 76, 111-6	5.5	8
52	Transmission dynamics of <i>Plasmodium falciparum</i> : Reply. <i>Parasitology Today</i> , 1996 , 12, 82-83		8
51	Calculating the prevalence of soil-transmitted helminth infection through pooling of stool samples: Choosing and optimizing the pooling strategy. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007196	4.8	7
50	The impact of community-wide, mass drug administration on aggregation of soil-transmitted helminth infection in human host populations. <i>Parasites and Vectors</i> , 2020 , 13, 290	4	7
49	Predicting the size of the epidemic of the new variant of Creutzfeldt-Jakob disease. <i>British Food Journal</i> , 1999 , 101, 86-98	2.8	7
48	Mathematical Models of the Transmission Dynamics of Human Immunodeficiency Virus in England and Wales: Mixing Between Different Risk Groups. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 1994 , 157, 69	2.1	7
47	Gonococcal infection, infertility, and population growth: I. Endemic states in behaviourally homogeneous growing populations. <i>Mathematical Medicine and Biology</i> , 1992 , 9, 107-26	1.3	7
46	Modelling the impact of COVID-19-related control programme interruptions on progress towards the WHO 2030 target for soil-transmitted helminths. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021 , 115, 253-260	2	7
45	Potential Factors Associated with Cognitive Improvement of Individuals Diagnosed with Mild Cognitive Impairment or Dementia in Longitudinal Studies. <i>Journal of Alzheimer's Disease</i> , 2018 , 66, 587-600	4.3	7
44	A cluster-randomised controlled trial comparing school and community-based deworming for soil transmitted helminth control in school-age children: the CoDe-STH trial protocol. <i>BMC Infectious Diseases</i> , 2019 , 19, 822	4	6
43	Dynamic interaction between <i>Leishmania</i> infection in mice and Th1-type CD4+ T-cells: complexity in outcome without a requirement for Th2-type responses. <i>Parasite Immunology</i> , 1993 , 15, 85-99	2.2	6

42	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
41	The Breakpoint of soil-transmitted helminths with infected human migration. <i>Journal of Theoretical Biology</i> , 2020 , 486, 110076	2.3	6
40	Patterns of individual non-treatment during multiple rounds of mass drug administration for control of soil-transmitted helminths in the TUMIKIA trial, Kenya: a secondary longitudinal analysis. <i>The Lancet Global Health</i> , 2020 , 8, e1418-e1426	13.6	6
39	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
38	Using Clinical Trial Simulators to Analyse the Sources of Variance in Clinical Trials of Novel Therapies for Acute Viral Infections. <i>PLoS ONE</i> , 2016 , 11, e0156622	3.7	6
37	How qPCR complements the WHO roadmap (2021-2030) for soil-transmitted helminths. <i>Trends in Parasitology</i> , 2021 , 37, 698-708	6.4	6
36	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
35	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
34	The Impact of Vaccination on the Epidemiology of Infectious Diseases 2016 , 3-31		5
33	Impact of single annual treatment and four-monthly treatment for hookworm and <i>Ascaris lumbricoides</i> , and factors associated with residual infection among Kenyan school children. <i>Infectious Diseases of Poverty</i> , 2017 , 6, 30	10.4	4
32	23. Discussion: Ecology of Pests and Pathogens 1989 , 348-362		4
31	Impact of Different Sampling Schemes for Decision Making in Soil-Transmitted Helminthiasis Control Programs. <i>Journal of Infectious Diseases</i> , 2020 , 221, S531-S538	7	4
30	Individual adherence to mass drug administration in neglected tropical disease control: A probability model conditional on past behaviour. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009112	4.8	4
29	Soil-transmitted helminths and schistosome infections in Ethiopia: a systematic review of progress in their control over the past 20 years. <i>Parasites and Vectors</i> , 2021 , 14, 97	4	4
28	Transmission Dynamics of <i>Ascaris lumbricoides</i> – Theory and Observation 2013 , 231-262		3
27	Helminth Dynamics: Mean Number of Worms, Reproductive Rates. <i>Handbook of Statistics</i> , 2017 , 397-404	0.6	3
26	Antimicrobial resistance: addressing the threat to global health. Preface. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20140305	5.8	3
25	HIV vaccines. <i>Lancet, The</i> , 1997 , 349, 361	40	3

24	The Transmission Dynamics of Human Immunodeficiency Virus (HIV). <i>Biomathematics</i> , 1989 , 263-311		3
23	Epidemiology, transmission dynamics, and control of SARS: the 2002–2003 epidemic 2005 , 61-80		3
22	Epidemiology of soil transmitted helminths and risk analysis of hookworm infections in the community: Results from the DeWorm3 Trial in southern India. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009338	4.8	3
21	Domains of transmission and association of community, school, and household sanitation with soil-transmitted helminth infections among children in coastal Kenya. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007488	4.8	3
20	The Role of Mathematical Models in Vaccine Development and Public Health Decision Making 2012 , 480-508		2
19	Deworming women of reproductive age during adolescence and pregnancy: what is the impact on morbidity from soil-transmitted helminths infection?. <i>Parasites and Vectors</i> , 2021 , 14, 220	4	2
18	Forecasting the effectiveness of the DeWorm3 trial in interrupting the transmission of soil-transmitted helminths in three study sites in Benin, India and Malawi. <i>Parasites and Vectors</i> , 2021 , 14, 67	4	2
17	Group did give timely foot-and-mouth analysis. <i>Nature</i> , 2001 , 413, 16	50.4	1
16	AIDS, HIV and the Sunday Times. <i>Nature</i> , 1993 , 366, 716	50.4	1
15	Individual adherence to mass drug administration in neglected tropical disease control: a probability model conditional on past behaviour		1
14	Probability distributions of helminth parasite burdens within the human host population following repeated rounds of mass drug administration and their impact on the transmission breakpoint. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210200	4.1	1
13	Impact of Key Assumptions About the Population Biology of Soil-Transmitted Helminths on the Sustainable Control of Morbidity. <i>Clinical Infectious Diseases</i> , 2021 , 72, S188-S194	11.6	1
12	Cost-effectiveness of community-wide treatment for helminthiasis. <i>The Lancet Global Health</i> , 2016 , 4, e156	13.6	1
11	Alzheimer's disease progression and risk factors: A standardized comparison between six large data sets. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019 , 5, 515-523	6	1
10	Stochastic challenges to interrupting helminth transmission. <i>Epidemics</i> , 2021 , 34, 100435	5.1	1
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8	Genome-wide insights into adaptive hybridisation across the <i>Schistosoma haematobium</i> group in West and Central Africa.. <i>PLoS Neglected Tropical Diseases</i> , 2022 , 16, e0010088	4.8	0
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5	Spatial scales in human movement between reservoirs of infection. <i>Journal of Theoretical Biology</i> , 2021 , 524, 110726	2.3	0
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1	Response to comments on the comparison of the effectiveness of non-nucleoside reverse transcriptase inhibitor and protease inhibitor-containing regimens using observational databases. <i>Aids</i> , 2002 , 16, 302-303	3.5	