

# Roy M Anderson

## List of Publications by Year in descending order

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168  
papers

23,586  
citations

31902

53  
h-index

8370

147  
g-index

176  
all docs

176  
docs citations

176  
times ranked

22735  
citing authors

#	ARTICLE	IF	CITATIONS
1	How will country-based mitigation measures influence the course of the COVID-19 epidemic?. <i>Lancet, The</i> , 2020, 395, 931-934.	6.3	2,738
2	Population biology of infectious diseases: Part I. <i>Nature</i> , 1979, 280, 361-367.	13.7	2,499
3	Regulation and Stability of Host-Parasite Population Interactions: I. Regulatory Processes. <i>Journal of Animal Ecology</i> , 1978, 47, 219.	1.3	1,412
4	Transmission Dynamics of the Etiological Agent of SARS in Hong Kong: Impact of Public Health Interventions. <i>Science</i> , 2003, 300, 1961-1966.	6.0	1,004
5	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, 6146-6151.	3.3	1,000
6	Population biology of infectious diseases: Part II. <i>Nature</i> , 1979, 280, 455-461.	13.7	994
7	Epidemiological determinants of spread of causal agent of severe acute respiratory syndrome in Hong Kong. <i>Lancet, The</i> , 2003, 361, 1761-1766.	6.3	840
8	Transmission dynamics of HIV infection. <i>Nature</i> , 1987, 326, 137-142.	13.7	707
9	Vaccination and herd immunity to infectious diseases. <i>Nature</i> , 1985, 318, 323-329.	13.7	617
10	The Foot-and-Mouth Epidemic in Great Britain: Pattern of Spread and Impact of Interventions. <i>Science</i> , 2001, 292, 1155-1160.	6.0	577
11	HIV-1 Transmission, by Stage of Infection. <i>Journal of Infectious Diseases</i> , 2008, 198, 687-693.	1.9	575
12	Immunological modulation and evasion by helminth parasites in human populations. <i>Nature</i> , 1993, 365, 797-805.	13.7	519
13	Regulation and Stability of Host-Parasite Population Interactions: II. Destabilizing Processes. <i>Journal of Animal Ecology</i> , 1978, 47, 249.	1.3	510
14	Modeling infectious disease dynamics in the complex landscape of global health. <i>Science</i> , 2015, 347, aaa4339.	6.0	492
15	Helminth Infections of Humans: Mathematical Models, Population Dynamics, and Control. <i>Advances in Parasitology</i> , 1985, 24, 1-101.	1.4	487
16	Sexual mixing patterns and sex-differentials in teenage exposure to HIV infection in rural Zimbabwe. <i>Lancet, The</i> , 2002, 359, 1896-1903.	6.3	480
17	Challenges in creating herd immunity to SARS-CoV-2 infection by mass vaccination. <i>Lancet, The</i> , 2020, 396, 1614-1616.	6.3	447
18	Population dynamics of fox rabies in Europe. <i>Nature</i> , 1981, 289, 765-771.	13.7	434

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19	Epidemiology, transmission dynamics and control of SARS: the 2002â€“2003 epidemic. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 1091-1105.	1.8	412
20	Transmission intensity and impact of control policies on the foot and mouth epidemic in Great Britain. <i>Nature</i> , 2001, 413, 542-548.	13.7	371
21	The maintenance of strain structure in populations of recombining infectious agents. <i>Nature Medicine</i> , 1996, 2, 437-442.	15.2	276
22	Chaos, Persistence, and Evolution of Strain Structure in Antigenically Diverse Infectious Agents. <i>Science</i> , 1998, 280, 912-915.	6.0	272
23	Population dynamics of human helminth infections: control by chemotherapy. <i>Nature</i> , 1982, 297, 557-563.	13.7	256
24	Spatial heterogeneity and the design of immunization programs. <i>Mathematical Biosciences</i> , 1984, 72, 83-111.	0.9	217
25	Plasma tau, neurofilament light chain and amyloid-Î² levels and risk of dementia; a population-based cohort study. <i>Brain</i> , 2020, 143, 1220-1232.	3.7	201
26	Will travel restrictions control the international spread of pandemic influenza?. <i>Nature Medicine</i> , 2006, 12, 497-499.	15.2	200
27	Why do so many clinical trials of therapies for Alzheimer's disease fail?. <i>Lancet, The</i> , 2017, 390, 2327-2329.	6.3	193
28	Predicted vCJD mortality in Great Britain. <i>Nature</i> , 2000, 406, 583-584.	13.7	187
29	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.	1.8	156
30	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.	1.0	137
31	How Effective Is School-Based Deworming for the Community-Wide Control of Soil-Transmitted Helminths?. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2027.	1.3	128
32	Can chemotherapy alone eliminate the transmission of soil transmitted helminths?. <i>Parasites and Vectors</i> , 2014, 7, 266.	1.0	117
33	Does infection with or vaccination against SARS-CoV-2 lead to lasting immunity?. <i>Lancet Respiratory Medicine</i> , 2021, 9, 1450-1466.	5.2	110
34	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.	0.6	109
35	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.	1.3	108
36	Parasite pathogenicity and the depression of host population equilibria. <i>Nature</i> , 1979, 279, 150-152.	13.7	106

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37	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.	1.3	99
38	Compliance with anthelmintic treatment in the neglected tropical diseases control programmes: a systematic review. <i>Parasites and Vectors</i> , 2016, 9, 29.	1.0	94
39	Mitigation Strategies for Pandemic Influenza A: Balancing Conflicting Policy Objectives. <i>PLoS Computational Biology</i> , 2011, 7, e1001076.	1.5	92
40	Balancing sexual partnership in an age and activity stratified model of HIV transmission in heterosexual populations. <i>Mathematical Medicine and Biology</i> , 1994, 11, 161-192.	0.8	90
41	Populations and Infectious Diseases: Ecology or Epidemiology?. <i>Journal of Animal Ecology</i> , 1991, 60, 1.	1.3	88
42	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, 2443-2452.	1.2	84
43	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.	1.3	79
44	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.	6.3	79
45	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.	1.6	76
46	Possible demographic consequences of HIV/AIDS epidemics. I. assuming HIV infection always leads to AIDS. <i>Mathematical Biosciences</i> , 1988, 90, 475-505.	0.9	73
47	Population Dynamics of the Cestode <i>Caryophyllaeus laticeps</i> (Pallas, 1781) in the Bream ( <i>Abramis brama</i> ) Tj ETQq1,1,1,0.784314 rgBT 1.3 68	1.3	68
48	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.	2.9	67
49	COVID-19 spread in the UK: the end of the beginning?. <i>Lancet, The</i> , 2020, 396, 587-590.	6.3	66
50	A Systematic Review of Longitudinal Studies Which Measure Alzheimer's Disease Biomarkers. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1359-1379.	1.2	65
51	Predicted Impact of COVID-19 on Neglected Tropical Disease Programs and the Opportunity for Innovation. <i>Clinical Infectious Diseases</i> , 2021, 72, 1463-1466.	2.9	62
52	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.	1.0	59
53	Cost and cost-effectiveness of soil-transmitted helminth treatment programmes: systematic review and research needs. <i>Parasites and Vectors</i> , 2015, 8, 355.	1.0	58
54	Discussion: The Kermack-McKendrick epidemic threshold theorem. <i>Bulletin of Mathematical Biology</i> , 1991, 53, 1.	0.9	56

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55	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.	0.8	56
56	Understanding the AIDS Pandemic. <i>Scientific American</i> , 1992, 266, 58-66.	1.0	55
57	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.	1.5	54
58	The dynamics of biomarkers across the clinical spectrum of Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 74.	3.0	53
59	Understanding the within-host dynamics of influenza A virus: from theory to clinical implications. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160289.	1.5	50
60	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</i> , The, 2016, 16, 838-846.	4.6	49
61	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.	1.0	49
62	Identifying optimal threshold statistics for elimination of hookworm using a stochastic simulation model. <i>Parasites and Vectors</i> , 2017, 10, 321.	1.0	49
63	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, .	1.8	49
64	Comparison of the effectiveness of non-nucleoside reverse transcriptase inhibitor-containing and protease inhibitor-containing regimens using observational databases. <i>Aids</i> , 2001, 15, 1133-1142.	1.0	48
65	The antibody recognition profiles of humans naturally infected with <i>Ascaris lumbricoides</i> . <i>Parasite Immunology</i> , 1989, 11, 615-627.	0.7	47
66	Complex dynamic behaviours in the interaction between parasite populations and the host's immune system. <i>International Journal for Parasitology</i> , 1998, 28, 551-566.	1.3	47
67	Current epidemiological evidence for predisposition to high or low intensity human helminth infection: a systematic review. <i>Parasites and Vectors</i> , 2018, 11, 65.	1.0	47
68	Potential Public Health Impact of Imperfect HIV Type 1 Vaccines. <i>Journal of Infectious Diseases</i> , 2005, 191, S85-S96.	1.9	44
69	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.	1.3	44
70	Optimisation of mass chemotherapy to control soil-transmitted helminth infection. <i>Lancet</i> , The, 2012, 379, 289-290.	6.3	43
71	Molecular evidence of hybridization between pig and human <i>Ascaris</i> indicates an interbred species complex infecting humans. <i>ELife</i> , 2020, 9, .	2.8	42
72	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, 1435-1443.	1.2	41

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73	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.	1.0	38
74	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.	1.3	38
75	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, 23-29.	1.2	37
76	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.	1.3	37
77	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.	1.3	37
78	Recent upturn in mortality in rural Zimbabwe. <i>Aids</i> , 1997, 11, 1269-1280.	1.0	36
79	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.	1.4	36
80	Endemic infections in growing populations. <i>Mathematical Biosciences</i> , 1985, 77, 141-156.	0.9	35
81	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, 221-247.	0.8	35
82	Analysis of the population-level impact of co-administering ivermectin with albendazole or mebendazole for the control and elimination of <i>Trichuris trichiura</i> . <i>Parasite Epidemiology and Control</i> , 2016, 1, 177-187.	0.6	35
83	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.	1.5	31
84	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.	1.0	31
85	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.	1.0	30
86	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.	1.6	29
87	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.	1.3	28
88	Measuring the public-health impact of candidate HIV vaccines as part of the licensing process. <i>Lancet Infectious Diseases</i> , 2008, 8, 200-207.	4.6	27
89	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.	1.3	27
90	Some aspects of sexual behaviour and the potential demographic impact of aids in developing countries. <i>Social Science and Medicine</i> , 1992, 34, 271-280.	1.8	26

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91	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.	1.1	26
92	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.	1.1	26
93	Achieving Elimination as a Public Health Problem for <i>Schistosoma mansoni</i> and <i>S. haematobium</i> : When Is Community-Wide Treatment Required?. <i>Journal of Infectious Diseases</i> , 2020, 221, S525-S530.	1.9	26
94	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.	1.0	24
95	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.	1.3	24
96	How Can Viral Dynamics Models Inform Endpoint Measures in Clinical Trials of Therapies for Acute Viral Infections?. <i>PLoS ONE</i> , 2016, 11, e0158237.	1.1	24
97	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.	1.5	24
98	An Analysis of the Influence of Host Morphometric Features on the Population Dynamics of <i>Diplozoon paradoxum</i> (Nordmann, 1832). <i>Journal of Animal Ecology</i> , 1974, 43, 873.	1.3	23
99	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, 19-22.	0.7	21
100	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.	0.4	20
101	AIDS: trends, predictions, controversy. <i>Nature</i> , 1993, 363, 393-394.	13.7	19
102	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.	2.5	19
103	Mathematical Models and the Design of Public Health Policy: HIV and Antiviral Therapy. <i>SIAM Review</i> , 1993, 35, 1-16.	4.2	18
104	Temporal association patterns and dynamics of amyloid- $\beta$ and tau in Alzheimer's disease. <i>European Journal of Epidemiology</i> , 2018, 33, 657-666.	2.5	18
105	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.	1.0	17
106	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.	1.0	17
107	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.	1.0	17
108	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.	1.3	17

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109	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.	0.3	17
110	Determining post-treatment surveillance criteria for predicting the elimination of <i>Schistosoma mansoni</i> transmission. <i>Parasites and Vectors</i> , 2019, 12, 437.	1.0	16
111	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.	2.9	16
112	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.	1.0	16
113	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.	1.3	15
114	Sampling strategies for monitoring and evaluation of morbidity targets for soil-transmitted helminths. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007514.	1.3	15
115	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.	1.3	15
116	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, 5, 49-55.	0.5	14
117	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.	1.0	14
118	Immunization in the field. <i>Nature</i> , 1991, 354, 502-503.	13.7	13
119	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.	0.7	13
120	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.	0.6	12
121	The Impact of Vaccination on the Epidemiology of Infectious Diseases. , 2016, , 3-31.		12
122	Helminth lifespan interacts with non-compliance in reducing the effectiveness of anthelmintic treatment. <i>Parasites and Vectors</i> , 2018, 11, 66.	1.0	12
123	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.	1.3	12
124	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.	1.7	12
125	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.	1.3	12
126	How qPCR complements the WHO roadmap (2021–2030) for soil-transmitted helminths. <i>Trends in Parasitology</i> , 2021, 37, 698-708.	1.5	12

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127	Predicting the size of the epidemic of the new variant of Creutzfeldtâ€ Jakob disease. British Food Journal, 1999, 101, 86-98.	1.6	11
128	A Review of the BSE Epidemic in British Cattle. EcoHealth, 1999, 5, 164-173.	0.2	11
129	The past matters: estimating intrinsic hookworm transmission intensity in areas with past mass drug administration to control lymphatic filariasis. Parasites and Vectors, 2017, 10, 254.	1.0	11
130	Epidemiology, transmission dynamics, and control of SARS: the 2002â€2003 epidemic. , 2005, , 61-80.		11
131	Epidemiology of communicable disease in small populations. Journal of Molecular Medicine, 1998, 76, 111-116.	1.7	10
132	Using Clinical Trial Simulators to Analyse the Sources of Variance in Clinical Trials of Novel Therapies for Acute Viral Infections. PLoS ONE, 2016, 11, e0156622.	1.1	10
133	Calculating the prevalence of soil-transmitted helminth infection through pooling of stool samples: Choosing and optimizing the pooling strategy. PLoS Neglected Tropical Diseases, 2019, 13, e0007196.	1.3	10
134	Impact of Different Sampling Schemes for Decision Making in Soil-Transmitted Helminthiasis Control Programs. Journal of Infectious Diseases, 2020, 221, S531-S538.	1.9	10
135	Gonococcal infection, infertility, and population growth: I. Endemic states in behaviourally homogeneous growing populations. Mathematical Medicine and Biology, 1992, 9, 107-126.	0.8	9
136	The â€breakpointâ€™™ of soil-transmitted helminths with infected human migration. Journal of Theoretical Biology, 2020, 486, 110076.	0.8	9
137	Transmission dynamics of Plasmodium falciparum: Reply. Parasitology Today, 1996, 12, 82-83.	3.1	8
138	Modelling the ability of mass drug administration to interrupt soil-transmitted helminth transmission: Community-based deworming in Kenya as a case study. PLoS Neglected Tropical Diseases, 2021, 15, e0009625.	1.3	8
139	Using rapid point-of-care tests to inform antibiotic choice to mitigate drug resistance in gonorrhoea. Eurosurveillance, 2020, 25, .	3.9	8
140	What is the impact of acquired immunity on the transmission of schistosomiasis and the efficacy of current and planned mass drug administration programmes?. PLoS Neglected Tropical Diseases, 2021, 15, e0009946.	1.3	8
141	Dynamic interaction between Leishmania infection in mice and Th1â€™type CD4<sup>+</sup> Tâ€™cells: complexity in outcome without a requirement for Th2â€™type responses. Parasite Immunology, 1993, 15, 85-99.	0.7	7
142	Potential Factors Associated with Cognitive Improvement of Individuals Diagnosed with Mild Cognitive Impairment or Dementia in Longitudinal Studies. Journal of Alzheimer's Disease, 2018, 66, 587-600.	1.2	7
143	Domains of transmission and association of community, school, and household sanitation with soil-transmitted helminth infections among children in coastal Kenya. PLoS Neglected Tropical Diseases, 2019, 13, e0007488.	1.3	7
144	23. Discussion: Ecology of Pests and Pathogens. , 1989, , 348-362.		6

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145	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.	1.5	6
146	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.	1.0	6
147	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.	1.5	5
148	Dynamic transmission models and economic evaluations of pneumococcal conjugate vaccines: a quality appraisal and limitations. <i>Clinical Microbiology and Infection</i> , 2021, 27, 1546-1557.	2.8	5
149	The Transmission Dynamics of Human Immunodeficiency Virus (HIV). <i>Biomathematics</i> , 1989, , 263-311.	0.7	5
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