

Sake J De Vlas

List of Publications by Citations

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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.

118
papers

3,019
citations

30
h-index

51
g-index

134
ext. papers

3,615
ext. citations

5.7
avg, IF

5.24
L-index

#	Paper	IF	Citations
118	Quantification of clinical morbidity associated with schistosome infection in sub-Saharan Africa. <i>Acta Tropica</i> , 2003 , 86, 125-39	3.2	672
117	Health benefits, costs, and cost-effectiveness of earlier eligibility for adult antiretroviral therapy and expanded treatment coverage: a combined analysis of 12 mathematical models. <i>The Lancet Global Health</i> , 2013 , 2, 23-34	13.6	160
116	Population-level impact, herd immunity, and elimination after human papillomavirus vaccination: a systematic review and meta-analysis of predictions from transmission-dynamic models. <i>Lancet Public Health</i> , 2016 , 1, e8-e17	22.4	148
115	African Programme For Onchocerciasis Control 1995-2015: model-estimated health impact and cost. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2032	4.8	88
114	Required duration of mass ivermectin treatment for onchocerciasis elimination in Africa: a comparative modelling analysis. <i>Parasites and Vectors</i> , 2015 , 8, 552	4	75
113	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
112	Epidemiologic features and environmental risk factors of severe fever with thrombocytopenia syndrome, Xinyang, China. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2820	4.8	59
111	TESTING VACCINES IN HUMAN EXPERIMENTAL MALARIA: STATISTICAL ANALYSIS OF PARASITEMIA MEASURED BY A QUANTITATIVE REAL-TIME POLYMERASE CHAIN REACTION. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004 , 71, 196-201	3.2	53
110	Risk factors for SARS infection among hospital healthcare workers in Beijing: a case control study. <i>Tropical Medicine and International Health</i> , 2009 , 14, 52-59	2.3	51
109	Global elimination of leprosy by 2020: are we on track?. <i>Parasites and Vectors</i> , 2015 , 8, 548	4	48
108	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
107	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
106	Elimination of African onchocerciasis: modeling the impact of increasing the frequency of ivermectin mass treatment. <i>PLoS ONE</i> , 2014 , 9, e115886	3.7	47
105	Modelling the elimination of river blindness using long-term epidemiological and programmatic data from Mali and Senegal. <i>Epidemics</i> , 2017 , 18, 4-15	5.1	42
104	The role of smoking in social networks on smoking cessation and relapse among adults: A longitudinal study. <i>Preventive Medicine</i> , 2017 , 99, 105-110	4.3	41
103	Case fatality of SARS in mainland China and associated risk factors. <i>Tropical Medicine and International Health</i> , 2009 , 14 Suppl 1, 21-7	2.3	41
102	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

101	African programme for onchocerciasis control 1995-2015: updated health impact estimates based on new disability weights. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2759	4.8	39
100	Feasibility of controlling hookworm infection through preventive chemotherapy: a simulation study using the individual-based WORMSIM modelling framework. <i>Parasites and Vectors</i> , 2015 , 8, 541	4	38
99	LYMFASIM, a simulation model for predicting the impact of lymphatic filariasis control: quantification for African villages. <i>Parasitology</i> , 2008 , 135, 1583-98	2.7	38
98	Between-Country Inequalities in the Neglected Tropical Disease Burden in 1990 and 2010, with Projections for 2020. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004560	4.8	38
97	Feasibility of eliminating visceral leishmaniasis from the Indian subcontinent: explorations with a set of deterministic age-structured transmission models. <i>Parasites and Vectors</i> , 2016 , 9, 24	4	38
96	How Can Onchocerciasis Elimination in Africa Be Accelerated? Modeling the Impact of Increased Ivermectin Treatment Frequency and Complementary Vector Control. <i>Clinical Infectious Diseases</i> , 2018 , 66, S267-S274	11.6	37
95	The SARS epidemic in mainland China: bringing together all epidemiological data. <i>Tropical Medicine and International Health</i> , 2009 , 14 Suppl 1, 4-13	2.3	36
94	Health seeking behaviour and utilization of health facilities for schistosomiasis-related symptoms in Ghana. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e867	4.8	35
93	Uniting mathematics and biology for control of visceral leishmaniasis. <i>Trends in Parasitology</i> , 2015 , 31, 251-9	6.4	31
92	Concerted Efforts to Control or Eliminate Neglected Tropical Diseases: How Much Health Will Be Gained?. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004386	4.8	31
91	Evidence for scaling up HIV treatment in sub-Saharan Africa: A call for incorporating health system constraints. <i>PLoS Medicine</i> , 2017 , 14, e1002240	11.6	30
90	The Socioeconomic Benefit to Individuals of Achieving the 2020 Targets for Five Preventive Chemotherapy Neglected Tropical Diseases. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005289	4.8	30
89	Modelling Anti-Ov16 IgG4 Antibody Prevalence as an Indicator for Evaluation and Decision Making in Onchocerciasis Elimination Programmes. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005314	4.8	30
88	Onchocerciasis: the pre-control association between prevalence of palpable nodules and skin microfilariae. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2168	4.8	29
87	Modelling for policy: The five principles of the Neglected Tropical Diseases Modelling Consortium. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008033	4.8	28
86	Post-Kala-Azar Dermal Leishmaniasis as a Reservoir for Visceral Leishmaniasis Transmission. <i>Trends in Parasitology</i> , 2019 , 35, 590-592	6.4	27
85	The impact of public health control measures during the SARS epidemic in mainland China. <i>Tropical Medicine and International Health</i> , 2009 , 14 Suppl 1, 101-4	2.3	26
84	Predicted short and long-term impact of deworming and water, hygiene, and sanitation on transmission of soil-transmitted helminths. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006758	4.8	26

83	African Program for Onchocerciasis Control 1995-2010: Impact of Annual Ivermectin Mass Treatment on Off-Target Infectious Diseases. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004051	4.8	25
82	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
81	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
80	Modelling lymphatic filariasis transmission and control: modelling frameworks, lessons learned and future directions. <i>Advances in Parasitology</i> , 2015 , 87, 249-91	3.2	22
79	DIAGNOSIS OF URINARY SCHISTOSOMIASIS: A NOVEL APPROACH TO COMPARE BLADDER PATHOLOGY MEASURED BY ULTRASOUND AND THREE METHODS FOR HEMATURIA DETECTION. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004 , 71, 98-106	3.2	22
78	Visceral leishmaniasis: Spatiotemporal heterogeneity and drivers underlying the hotspots in Muzaffarpur, Bihar, India. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006888	4.8	22
77	Burden of onchocerciasis-associated epilepsy: first estimates and research priorities. <i>Infectious Diseases of Poverty</i> , 2018 , 7, 101	10.4	21
76	Rapid increase of scrub typhus incidence in Guangzhou, southern China, 2006-2014. <i>BMC Infectious Diseases</i> , 2017 , 17, 13	4	20
75	Leprosy New Case Detection Trends and the Future Effect of Preventive Interventions in Pará State, Brazil: A Modelling Study. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004507	4.8	20
74	Socioeconomic benefit to individuals of achieving 2020 targets for four neglected tropical diseases controlled/eliminated by innovative and intensified disease management: Human African trypanosomiasis, leprosy, visceral leishmaniasis, Chagas disease. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006250	4.8	20
73	The rise and fall of HIV in high-prevalence countries: a challenge for mathematical modeling. <i>PLoS Computational Biology</i> , 2014 , 10, e1003459	5	19
72	Mapping and characterising areas with high levels of HIV transmission in sub-Saharan Africa: A geospatial analysis of national survey data. <i>PLoS Medicine</i> , 2020 , 17, e1003042	11.6	18
71	Highly Pathogenic Avian Influenza H5N1 in Mainland China. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 5026-45	4.6	18
70	Reducing Income Inequalities in Food Consumption: Explorations With an Agent-Based Model. <i>American Journal of Preventive Medicine</i> , 2015 , 49, 605-13	6.1	16
69	Mathematical modelling of leprosy and its control. <i>Advances in Parasitology</i> , 2015 , 87, 33-51	3.2	16
68	The Power of Malaria Vaccine Trials Using Controlled Human Malaria Infection. <i>PLoS Computational Biology</i> , 2017 , 13, e1005255	5	16
67	Achieving herd immunity against COVID-19 at the country level by the exit strategy of a phased lift of control. <i>Scientific Reports</i> , 2021 , 11, 4445	4.9	16
66	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

65	Quantitative evaluation of integrated schistosomiasis control: the example of passive case finding in Ghana. <i>Tropical Medicine and International Health</i> , 2004 , 9, A16-21	2.3	15
64	Structural Uncertainty in Onchocerciasis Transmission Models Influences the Estimation of Elimination Thresholds and Selection of Age Groups for Seromonitoring. <i>Journal of Infectious Diseases</i> , 2020 , 221, S510-S518	7	14
63	Diagnosis of urinary schistosomiasis: a novel approach to compare bladder pathology measured by ultrasound and three methods for hematuria detection. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004 , 71, 98-106	3.2	13
62	Forecasting the new case detection rate of leprosy in four states of Brazil: A comparison of modelling approaches. <i>Epidemics</i> , 2017 , 18, 92-100	5.1	12
61	Predictive Value of Ov16 Antibody Prevalence in Different Subpopulations for Elimination of African Onchocerciasis. <i>American Journal of Epidemiology</i> , 2019 , 188, 1723-1732	3.8	12
60	The role of acquired immunity in the spread of human papillomavirus (HPV): explorations with a microsimulation model. <i>PLoS ONE</i> , 2015 , 10, e0116618	3.7	12
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	Forecasting Human African Trypanosomiasis Prevalences from Population Screening Data Using Continuous Time Models. <i>PLoS Computational Biology</i> , 2016 , 12, e1005103	5	11
57	New Insights Into the Kinetics and Variability of Egg Excretion in Controlled Human Hookworm Infections. <i>Journal of Infectious Diseases</i> , 2019 , 220, 1044-1048	7	10
56	The severe acute respiratory syndrome epidemic in mainland China dissected. <i>Gastroenterology Insights</i> , 2011 , 3, e2	2.1	10
55	Finding undiagnosed leprosy cases. <i>Lancet Infectious Diseases, The</i> , 2016 , 16, 1113	25.5	10
54	Minimum requirements and optimal testing strategies of a diagnostic test for leprosy as a tool towards zero transmission: A modeling study. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006529	4.8	10
53	An open-label phase 1/2a trial of a genetically modified rodent malaria parasite for immunization against malaria. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	9
52	A phased lift of control: a practical strategy to achieve herd immunity against Covid-19 at the country level		9
51	What does the COVID-19 pandemic mean for the next decade of onchocerciasis control and elimination?. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021 , 115, 269-280	2	9
50	Sensitive diagnostic tools and targeted drug administration strategies are needed to eliminate schistosomiasis. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, e165-e172	25.5	8
49	The potential impact of human visceral leishmaniasis vaccines on population incidence. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008468	4.8	8
48	The effect of assortative mixing on stability of low helminth transmission levels and on the impact of mass drug administration: Model explorations for onchocerciasis. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006624	4.8	8

47	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
46	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
45	Impact of Changes in Detection Effort on Control of Visceral Leishmaniasis in the Indian Subcontinent. <i>Journal of Infectious Diseases</i> , 2020 , 221, S546-S553	7	7
44	Distribution and risk factors of hand, foot, and mouth disease in Changchun, northeastern China. <i>Science Bulletin</i> , 2014 , 59, 533-538		7
43	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
42	A Randomized Controlled Trial to Investigate Safety and Variability of Egg Excretion After Repeated Controlled Human Hookworm Infection. <i>Journal of Infectious Diseases</i> , 2021 , 223, 905-913	7	7
41	Modelling the impact of COVID-19-related programme interruptions on visceral leishmaniasis in India. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021 , 115, 229-235	2	7
40	The estimated impact of natural immunity on the effectiveness of human papillomavirus vaccination. <i>Vaccine</i> , 2015 , 33, 5357-5364	4.1	6
39	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
38	The impact of individual and environmental interventions on income inequalities in sports participation: explorations with an agent-based model. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2018 , 15, 107	8.4	6
37	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
36	The health impact of human papillomavirus vaccination in the situation of primary human papillomavirus screening: A mathematical modeling study. <i>PLoS ONE</i> , 2018 , 13, e0202924	3.7	5
35	Progress towards lymphatic filariasis elimination in Ghana from 2000-2016: Analysis of microfilaria prevalence data from 430 communities. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007115	4.8	4
34	Determinants of recent HIV testing among male sex workers and other men who have sex with men in Shenzhen, China: a cross-sectional study. <i>Sexual Health</i> , 2015 , 12, 565-7	2	4
33	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
32	Outbreak of COVID-19 and SARS in mainland China: a comparative study based on national surveillance data. <i>BMJ Open</i> , 2020 , 10, e043411	3	4
31	Associations between infection intensity categories and morbidity prevalence in school-age children are much stronger for <i>Schistosoma haematobium</i> than for <i>S. mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009444	4.8	4
30	Antibody and Antigen Prevalence as Indicators of Ongoing Transmission or Elimination of Visceral Leishmaniasis: A Modeling Study. <i>Clinical Infectious Diseases</i> , 2021 , 72, S180-S187	11.6	4

29	Uncertainty quantification and sensitivity analysis of COVID-19 exit strategies in an individual-based transmission model. <i>PLoS Computational Biology</i> , 2021 , 17, e1009355	5	4
28	Economy, migrant labour and sex work: interplay of HIV epidemic drivers in Zimbabwe over three decades. <i>Aids</i> , 2019 , 33, 123-131	3.5	3
27	Feasibility of Onchocerciasis Elimination Using a "Test-and-not-treat" Strategy in Loa loa Co-endemic Areas. <i>Clinical Infectious Diseases</i> , 2021 , 72, e1047-e1055	11.6	3
26	Scaling-Down Mass Ivermectin Treatment for Onchocerciasis Elimination: Modeling the Impact of the Geographical Unit for Decision Making. <i>Clinical Infectious Diseases</i> , 2021 , 72, S165-S171	11.6	3
25	The burden of skin disease and eye disease due to onchocerciasis in countries formerly under the African Programme for Onchocerciasis Control mandate for 1990, 2020, and 2030. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009604	4.8	3
24	Number of people requiring post-exposure prophylaxis to end leprosy: A modeling study. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009146	4.8	3
23	Standardisation of lymphatic filariasis microfilaraemia prevalence estimates based on different diagnostic methods: a systematic review and meta-analysis. <i>Parasites and Vectors</i> , 2020 , 13, 302	4	2
22	Geospatial epidemiology of leprosy in northwest Bangladesh: a 20-year retrospective observational study. <i>Infectious Diseases of Poverty</i> , 2021 , 10, 36	10.4	2
21	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
20	Determinants of the low uptake of HIV-related intervention services by female sex workers in Shenzhen, China: an observational study (2009-2012). <i>Sexual Health</i> , 2015 , 12, 257-62	2	1
19	Understanding MRSA clonal competition within a UK hospital; the possible importance of density dependence. <i>Epidemics</i> , 2021 , 37, 100511	5.1	1
18	Uncertainty quantification and sensitivity analysis of COVID-19 exit strategies in an individual-based transmission model		1
17	Control and Elimination of Schistosomiasis as a Public Health Problem: Thresholds Fail to Differentiate Schistosomiasis Morbidity Prevalence in Children. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab179	1	1
16	How does onchocerciasis-related skin and eye disease in Africa depend on cumulative exposure to infection and mass treatment?. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009489	4.8	1
15	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
14	Screening for Latent Tuberculosis (TB) Infection in Low TB Incidence Countries. <i>Clinical Infectious Diseases</i> , 2020 , 70, 716-717	11.6	0
13	The impact of mass drug administration expansion to low onchocerciasis prevalence settings in case of connected villages. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009011	4.8	0
12	Urogenital schistosomiasis infection prevalence targets to determine elimination as a public health problem based on microhematuria prevalence in school-age children. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009451	4.8	0

11	Incidence and geographical distribution of canine leishmaniosis in 2016-2017 in Spain and France. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2021 , 25, 100613	1.2	○
10	Two-stage lot quality assurance sampling framework for monitoring and evaluation of neglected tropical diseases, allowing for imperfect diagnostics and spatial heterogeneity.. <i>PLoS Neglected Tropical Diseases</i> , 2022 , 16, e0010353	4.8	○
9	Passive case detection for canine visceral leishmaniasis control in urban Brazil: Determinants of population uptake. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009818	4.8	
8	Mapping and characterising areas with high levels of HIV transmission in sub-Saharan Africa: A geospatial analysis of national survey data 2020 , 17, e1003042		
7	Mapping and characterising areas with high levels of HIV transmission in sub-Saharan Africa: A geospatial analysis of national survey data 2020 , 17, e1003042		
6	Mapping and characterising areas with high levels of HIV transmission in sub-Saharan Africa: A geospatial analysis of national survey data 2020 , 17, e1003042		
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4	Mapping and characterising areas with high levels of HIV transmission in sub-Saharan Africa: A geospatial analysis of national survey data 2020 , 17, e1003042		
3	The potential impact of human visceral leishmaniasis vaccines on population incidence 2020 , 14, e0008468		
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