

Luc E Coffeng

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.

90
papers

29,005
citations

29
h-index

103
g-index

103
ext. papers

33,380
ext. citations

7.7
avg, IF

7.61
L-index

#	Paper	IF	Citations
90	Challenges in estimation, uncertainty quantification and elicitation for pandemic modelling.. <i>Epidemics</i> , 2022 , 38, 100547	5.1	2
89	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	0
88	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	
87	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
86	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
85	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
84	Strengthening data collection for neglected tropical diseases: What data are needed for models to better inform tailored intervention programmes?. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009351	4.8	2
83	Survey Design to Monitor Drug Efficacy for the Control of Soil-Transmitted Helminthiasis and Schistosomiasis. <i>Clinical Infectious Diseases</i> , 2021 , 72, S195-S202	11.6	3
82	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
81	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
80	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
79	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
78	How modelling can help steer the course set by the World Health Organization 2021-2030 roadmap on neglected tropical diseases.. <i>Gates Open Research</i> , 2021 , 5, 112	2.4	0
77	A Randomized Clinical Trial to Compare Plasmodium falciparum Gametocytemia and Infectivity After Blood-Stage or Mosquito Bite-Induced Controlled Malaria Infection. <i>Journal of Infectious Diseases</i> , 2021 , 224, 1257-1265	7	5
76	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
75	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
74	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

73	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
72	Assessment of the required performance and the development of corresponding program decision rules for neglected tropical diseases diagnostic tests: Monitoring and evaluation of soil-transmitted helminthiasis control programs as a case study. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009740	4.8	1
71	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
70	Human visceral leishmaniasis in Central-Western Brazil: Spatial patterns and its correlation with socioeconomic aspects, environmental indices and canine infection. <i>Acta Tropica</i> , 2021 , 221, 105965	3.2	1
69	A framework for scabies control. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009661	4.8	4
68	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
67	When, Who, and How to Sample: Designing Practical Surveillance for 7 Neglected Tropical Diseases as We Approach Elimination. <i>Journal of Infectious Diseases</i> , 2020 , 221, S499-S502	7	6
66	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
65	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
64	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
63	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
62	Sensitive diagnostic tools and targeted drug administration strategies are needed to eliminate schistosomiasis. <i>Lancet Infectious Diseases</i> , 2020 , 20, e165-e172	25.5	8
61	The potential impact of human visceral leishmaniasis vaccines on population incidence. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008468	4.8	8
60	Projected Number of People With Onchocerciasis-Loiasis Coinfection in Africa, 1995 to 2025. <i>Clinical Infectious Diseases</i> , 2020 , 70, 2281-2289	11.6	13
59	The potential impact of human visceral leishmaniasis vaccines on population incidence 2020 , 14, e0008468		
58	The potential impact of human visceral leishmaniasis vaccines on population incidence 2020 , 14, e0008468		
57	The potential impact of human visceral leishmaniasis vaccines on population incidence 2020 , 14, e0008468		
56	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

55	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
54	Evaluating Parameter Uncertainty in a Simulation Model of Cancer Using Emulators. <i>Medical Decision Making</i> , 2019 , 39, 405-413	2.5	8
53	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
52	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
51	Insights from quantitative analysis and mathematical modelling on the proposed WHO 2030 goals for soil-transmitted helminths. <i>Gates Open Research</i> , 2019 , 3, 1632	2.4	4
50	A randomized feasibility trial comparing four antimalarial drug regimens to induce gametocytemia in the controlled human malaria infection model. <i>ELife</i> , 2018 , 7,	8.9	32
49	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
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	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
46	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
45	Burden of onchocerciasis-associated epilepsy: first estimates and research priorities. <i>Infectious Diseases of Poverty</i> , 2018 , 7, 101	10.4	21
44	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
43	Global Skin Disease Morbidity and Mortality: An Update From the Global Burden of Disease Study 2013. <i>JAMA Dermatology</i> , 2017 , 153, 406-412	5.1	267
42	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
41	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
40	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
39	The global burden of disease study 2013: What does it mean for the NTDs?. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005424	4.8	135
38	The Power of Malaria Vaccine Trials Using Controlled Human Malaria Infection. <i>PLoS Computational Biology</i> , 2017 , 13, e1005255	5	16

37	Progress towards onchocerciasis elimination in the participating countries of the African Programme for Onchocerciasis Control: epidemiological evaluation results. <i>Infectious Diseases of Poverty</i> , 2016 , 5, 66	10.4	94
36	Global and National Burden of Diseases and Injuries Among Children and Adolescents Between 1990 and 2013: Findings From the Global Burden of Disease 2013 Study. <i>JAMA Pediatrics</i> , 2016 , 170, 267-87	8.3	347
35	Global burden of cutaneous leishmaniasis: a cross-sectional analysis from the Global Burden of Disease Study 2013. <i>Lancet Infectious Diseases</i> , 2016 , 16, 584-591	25.5	79
34	The global burden of dengue: an analysis from the Global Burden of Disease Study 2013. <i>Lancet Infectious Diseases</i> , 2016 , 16, 712-723	25.5	549
33	Model-Based Geostatistical Mapping of the Prevalence of <i>Onchocerca volvulus</i> in West Africa. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004328	4.8	38
32	River Blindness: Mathematical Models for Control and Elimination. <i>Advances in Parasitology</i> , 2016 , 94, 247-341	3.2	46
31	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
30	The Global Burden of Anemia. <i>Hematology/Oncology Clinics of North America</i> , 2016 , 30, 247-308	3.1	313
29	Global, regional, and national disability-adjusted life years (DALYs) for 306 diseases and injuries and healthy life expectancy (HALE) for 188 countries, 1990-2013: quantifying the epidemiological transition. <i>Lancet</i> , 2015 , 386, 2145-91	40	1203
28	The global burden of disease associated with alopecia areata. <i>British Journal of Dermatology</i> , 2015 , 172, 1424-6	4	5
27	Global, regional, and national age-sex specific all-cause and cause-specific mortality for 240 causes of death, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. <i>Lancet</i> , 2015 , 385, 117-71	40	4599
26	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
25	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
24	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
23	The global burden of psoriatic skin disease. <i>British Journal of Dermatology</i> , 2015 , 172, 1665-1668	4	51
22	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
21	Global mortality from conditions with skin manifestations. <i>Journal of the American Academy of Dermatology</i> , 2014 , 71, 1137-1143.e17	4.5	18
20	Comparing cutaneous research funded by the National Institute of Arthritis and Musculoskeletal and Skin Diseases with 2010 Global Burden of Disease results. <i>PLoS ONE</i> , 2014 , 9, e102122	3.7	20

19	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
18	Effects of orally administered galacto-oligosaccharides on immunological parameters in foals: a pilot study. <i>BMC Veterinary Research</i> , 2014 , 10, 278	2.7	3
17	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
16	The global burden of disease study 2010: interpretation and implications for the neglected tropical diseases. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2865	4.8	583
15	Differential characteristics of cytotoxic T lymphocytes restricted by the protective HLA alleles B*27 and B*57 in HIV-1 infection. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2014 , 67, 236-45	3.1	2
14	In vitro evaluation of defined oligosaccharide fractions in an equine model of inflammation. <i>BMC Veterinary Research</i> , 2013 , 9, 147	2.7	10
13	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
12	Effects of Separate and Concomitant TLR-2 and TLR-4 Activation in Peripheral Blood Mononuclear Cells of Newborn and Adult Horses. <i>PLoS ONE</i> , 2013 , 8, e66897	3.7	5
11	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
10	Disability-adjusted life years (DALYs) for 291 diseases and injuries in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet, The</i> , 2012 , 380, 2197-223	4.0	5768
9	Global and regional mortality from 235 causes of death for 20 age groups in 1990 and 2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet, The</i> , 2012 , 380, 2095-128	4.0	8873
8	Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet, The</i> , 2012 , 380, 2163-96	4.0	4971
7	Concurrence of dermatological and ophthalmological morbidity in onchocerciasis. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2012 , 106, 243-51	2	9
6	Equine colostrum carbohydrates reduce lipopolysaccharide-induced inflammatory responses in equine peripheral blood mononuclear cells. <i>Equine Veterinary Journal</i> , 2012 , 44, 68-72	2.4	4
5	The influence of early clinical experiences on career preference of male and female medical students. <i>Medical Teacher</i> , 2009 , 31, e323-6	3	6
4	Cortisol and severe fatigue: a longitudinal study in adolescent girls. <i>Psychoneuroendocrinology</i> , 2007 , 32, 171-82	5	28
3	How modelling can help steer the course set by the World Health Organization 2021-2030 roadmap on neglected tropical diseases. <i>Gates Open Research</i> , 5 , 112	2.4	
2	A phased lift of control: a practical strategy to achieve herd immunity against Covid-19 at the country level		9

- 1 Uncertainty quantification and sensitivity analysis of COVID-19 exit strategies in an individual-based transmission model