

Luc E Coffeng

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

37,101
citations

147801

31
h-index

53230

85
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103
all docs

103
docs citations

103
times ranked

60935
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges in estimation, uncertainty quantification and elicitation for pandemic modelling. <i>Epidemics</i> , 2022, 38, 100547.	3.0	20
2	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.	3.0	8
3	Appropriateness of the current parasitological control target for hookworm morbidity: A statistical analysis of individual-level data. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010279.	3.0	2
4	A Randomized Clinical Trial to Compare <i>Plasmodium falciparum</i> Gametocytemia and Infectivity After Blood-Stage or Mosquito Bite-Induced Controlled Malaria Infection. <i>Journal of Infectious Diseases</i> , 2021, 224, 1257-1265.	4.0	16
5	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.	4.0	11
6	Predicted Impact of COVID-19 on Neglected Tropical Disease Programs and the Opportunity for Innovation. <i>Clinical Infectious Diseases</i> , 2021, 72, 1463-1466.	5.8	62
7	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.	1.8	17
8	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.	3.3	22
9	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.	2.5	2
10	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.	3.0	6
11	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.	3.0	10
12	Survey Design to Monitor Drug Efficacy for the Control of Soil-Transmitted Helminthiasis and Schistosomiasis. <i>Clinical Infectious Diseases</i> , 2021, 72, S195-S202.	5.8	9
13	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.	5.8	7
14	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.	3.0	6
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.	5.8	3
16	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.	3.0	17
17	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.	1.1	4
18	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.	3.0	11

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19	Uncertainty quantification and sensitivity analysis of COVID-19 exit strategies in an individual-based transmission model. <i>PLoS Computational Biology</i> , 2021, 17, e1009355.	3.2	8
20	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.	2.0	3
21	A framework for scabies control. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009661.	3.0	30
22	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.	1.8	13
23	Passive case detection for canine visceral leishmaniasis control in urban Brazil: Determinants of population uptake. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009818.	3.0	0
24	Projected Number of People With Onchocerciasis and Loiasis Coinfection in Africa, 1995 to 2025. <i>Clinical Infectious Diseases</i> , 2020, 70, 2281-2289.	5.8	25
25	Impact of Different Sampling Schemes for Decision Making in Soil-Transmitted Helminthiasis Control Programs. <i>Journal of Infectious Diseases</i> , 2020, 221, S531-S538.	4.0	10
26	Sensitive diagnostic tools and targeted drug administration strategies are needed to eliminate schistosomiasis. <i>Lancet Infectious Diseases</i> , The, 2020, 20, e165-e172.	9.1	27
27	The potential impact of human visceral leishmaniasis vaccines on population incidence. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008468.	3.0	12
28	An open-label phase 1/2a trial of a genetically modified rodent malaria parasite for immunization against <i>Plasmodium falciparum</i> malaria. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	28
29	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.	4.0	11
30	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.	2.5	5
31	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.	4.0	19
32	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.	4.0	14
33	The potential impact of human visceral leishmaniasis vaccines on population incidence. , 2020, 14, e0008468.		0
34	The potential impact of human visceral leishmaniasis vaccines on population incidence. , 2020, 14, e0008468.		0
35	The potential impact of human visceral leishmaniasis vaccines on population incidence. , 2020, 14, e0008468.		0
36	Sampling strategies for monitoring and evaluation of morbidity targets for soil-transmitted helminths. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007514.	3.0	15

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37	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. BMC Infectious Diseases, 2019, 19, 822.	2.9	15
38	New Insights Into the Kinetics and Variability of Egg Excretion in Controlled Human Hookworm Infections. Journal of Infectious Diseases, 2019, 220, 1044-1048.	4.0	13
39	Evaluating Parameter Uncertainty in a Simulation Model of Cancer Using Emulators. Medical Decision Making, 2019, 39, 405-413.	2.4	9
40	Predictive Value of Ov16 Antibody Prevalence in Different Subpopulations for Elimination of African Onchocerciasis. American Journal of Epidemiology, 2019, 188, 1723-1732.	3.4	22
41	Insights from quantitative analysis and mathematical modelling on the proposed WHO 2030 goals for soil-transmitted helminths. Gates Open Research, 2019, 3, 1632.	1.1	7
42	Investigating the Effectiveness of Current and Modified World Health Organization Guidelines for the Control of Soil-Transmitted Helminth Infections. Clinical Infectious Diseases, 2018, 66, S253-S259.	5.8	67
43	The effect of assortative mixing on stability of low helminth transmission levels and on the impact of mass drug administration: Model explorations for onchocerciasis. PLoS Neglected Tropical Diseases, 2018, 12, e0006624.	3.0	15
44	Predicted short and long-term impact of deworming and water, hygiene, and sanitation on transmission of soil-transmitted helminths. PLoS Neglected Tropical Diseases, 2018, 12, e0006758.	3.0	40
45	Visceral leishmaniasis: Spatiotemporal heterogeneity and drivers underlying the hotspots in Muzaffarpur, Bihar, India. PLoS Neglected Tropical Diseases, 2018, 12, e0006888.	3.0	25
46	Burden of onchocerciasis-associated epilepsy: first estimates and research priorities. Infectious Diseases of Poverty, 2018, 7, 101.	3.7	34
47	Policy Recommendations From Transmission Modeling for the Elimination of Visceral Leishmaniasis in the Indian Subcontinent. Clinical Infectious Diseases, 2018, 66, S301-S308.	5.8	34
48	A randomized feasibility trial comparing four antimalarial drug regimens to induce Plasmodium falciparum gametocytemia in the controlled human malaria infection model. ELife, 2018, 7, .	6.0	54
49	Global Skin Disease Morbidity and Mortality. JAMA Dermatology, 2017, 153, 406.	4.1	457
50	Elimination of visceral leishmaniasis in the Indian subcontinent: a comparison of predictions from three transmission models. Epidemics, 2017, 18, 67-80.	3.0	49
51	Comparison and validation of two mathematical models for the impact of mass drug administration on Ascaris lumbricoides and hookworm infection. Epidemics, 2017, 18, 38-47.	3.0	31
52	Modelling Anti-Ov16 IgG4 Antibody Prevalence as an Indicator for Evaluation and Decision Making in Onchocerciasis Elimination Programmes. PLoS Neglected Tropical Diseases, 2017, 11, e0005314.	3.0	37
53	The global burden of disease study 2013: What does it mean for the NTDs?. PLoS Neglected Tropical Diseases, 2017, 11, e0005424.	3.0	181
54	The Power of Malaria Vaccine Trials Using Controlled Human Malaria Infection. PLoS Computational Biology, 2017, 13, e1005255.	3.2	19

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55	Model-Based Geostatistical Mapping of the Prevalence of <i>Onchocerca volvulus</i> in West Africa. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004328.	3.0	59
56	River Blindness. <i>Advances in Parasitology</i> , 2016, 94, 247-341.	3.2	66
57	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.	2.5	47
58	The Global Burden of Anemia. <i>Hematology/Oncology Clinics of North America</i> , 2016, 30, 247-308.	2.2	493
59	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.	3.7	125
60	Global and National Burden of Diseases and Injuries Among Children and Adolescents Between 1990 and 2013. <i>JAMA Pediatrics</i> , 2016, 170, 267.	6.2	479
61	Global burden of cutaneous leishmaniasis: a cross-sectional analysis from the Global Burden of Disease Study 2013. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 584-591.	9.1	103
62	The global burden of dengue: an analysis from the Global Burden of Disease Study 2013. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 712-723.	9.1	770
63	Quantitative analyses and modelling to support achievement of the 2020 goals for nine neglected tropical diseases. <i>Parasites and Vectors</i> , 2015, 8, 630.	2.5	80
64	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.	2.5	53
65	Required duration of mass ivermectin treatment for onchocerciasis elimination in Africa: a comparative modelling analysis. <i>Parasites and Vectors</i> , 2015, 8, 552.	2.5	94
66	The global burden of psoriatic skin disease. <i>British Journal of Dermatology</i> , 2015, 172, 1665-1668.	1.5	64
67	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> , The, 2015, 386, 2145-2191.	13.7	1,544
68	The global burden of disease associated with alopecia areata. <i>British Journal of Dermatology</i> , 2015, 172, 1424-1426.	1.5	10
69	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> , The, 2015, 385, 117-171.	13.7	5,847
70	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.	3.0	32
71	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.	2.5	25
72	Elimination of African Onchocerciasis: Modeling the Impact of Increasing the Frequency of Ivermectin Mass Treatment. <i>PLoS ONE</i> , 2014, 9, e115886.	2.5	59

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73	Effects of orally administered galacto-oligosaccharides on immunological parameters in foals: a pilot study. <i>BMC Veterinary Research</i> , 2014, 10, 278.	1.9	5
74	African Programme for Onchocerciasis Control 1995â€“2015: Updated Health Impact Estimates Based on New Disability Weights. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2759.	3.0	45
75	The Global Burden of Disease Study 2010: Interpretation and Implications for the Neglected Tropical Diseases. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2865.	3.0	796
76	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, 236-245.	2.1	4
77	Global mortality from conditions with skin manifestations. <i>Journal of the American Academy of Dermatology</i> , 2014, 71, 1137-1143.e17.	1.2	23
78	In vitro evaluation of defined oligosaccharide fractions in an equine model of inflammation. <i>BMC Veterinary Research</i> , 2013, 9, 147.	1.9	13
79	Onchocerciasis: The Pre-control Association between Prevalence of Palpable Nodules and Skin Microfilariae. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2168.	3.0	33
80	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.	2.5	8
81	African Programme for Onchocerciasis Control 1995â€“2015: Model-Estimated Health Impact and Cost. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2032.	3.0	105
82	Disability-adjusted life years (DALYs) for 291 diseases and injuries in 21 regions, 1990â€“2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet, The</i> , 2012, 380, 2197-2223.	13.7	7,061
83	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, 2095-2128.	13.7	11,038
84	Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990â€“2010: a systematic analysis for the Global Burden of Disease Study 2010. <i>Lancet, The</i> , 2012, 380, 2163-2196.	13.7	6,376
85	Concurrence of dermatological and ophthalmological morbidity in onchocerciasis. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2012, 106, 243-251.	1.8	11
86	Equine colostral carbohydrates reduce lipopolysaccharideâ€“induced inflammatory responses in equine peripheral blood mononuclear cells. <i>Equine Veterinary Journal</i> , 2012, 44, 68-72.	1.7	5
87	The influence of early clinical experiences on career preference of male and female medical students. <i>Medical Teacher</i> , 2009, 31, e323-e326.	1.8	10
88	Cortisol and severe fatigue: A longitudinal study in adolescent girls. <i>Psychoneuroendocrinology</i> , 2007, 32, 171-182.	2.7	31
89	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> , 0, 5, 112.	1.1	1
90	Predicting epidemics and the impact of interventions in heterogeneous settings: Standard SEIR models are too pessimistic. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 0, , .	1.1	0