Luc E Coffeng

List of Publications by Year
in descending order

90 papers	37,101 citations	147801 31 h-index	53230 85 g-index
103 all docs	103 docs citations	103 times ranked	60935 citing authors

#	Article	IF	Citations
1	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. Lancet, The, 2012, 380, 2095-2128.	13.7	11,038
2	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. Lancet, The, 2012, 380, 2197-2223.	13.7	7,061
3	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. Lancet, The, 2012, 380, 2163-2196.	13.7	6,376
4	Global, regional, and national ageâ€“sex specific all-cause and cause-specific mortality for 240 causes of death, 1990â€“2013: a systematic analysis for the Global Burden of Disease Study 2013. Lancet, The, 2015, 385, 117-171.	13.7	5,847
5	Global, regional, and national disability-adjusted life years (DALYs) for 306 diseases and injuries and healthy life expectancy (HALE) for 188 countries, 1990â€“2013: quantifying the epidemiological transition. Lancet, The, 2015, 386, 2145-2191.	13.7	1,544
6	The Global Burden of Disease Study 2010: Interpretation and Implications for the Neglected Tropical Diseases. PLoS Neglected Tropical Diseases, 2014, 8, e2865.	3.0	796
7	The global burden of dengue: an analysis from the Global Burden of Disease Study 2013. Lancet Infectious Diseases, The, 2016, 16, 712-723.	9.1	770
8	The Global Burden of Anemia. Hematology/Oncology Clinics of North America, 2016, 30, 247-308.	2.2	493
9	Global and National Burden of Diseases and Injuries Among Children and Adolescents Between 1990 and 2013. JAMA Pediatrics, 2016, 170, 267.	6.2	479
10	Global Skin Disease Morbidity and Mortality. JAMA Dermatology, 2017, 153, 406.	4.1	457
11	The global burden of disease study 2013: What does it mean for the NTDs?. PLoS Neglected Tropical Diseases, 2017, 11, e0005424.	3.0	181
12	Progress towards onchocerciasis elimination in the participating countries of the African Programme for Onchocerciasis Control: epidemiological evaluation results. Infectious Diseases of Poverty, 2016, 5, 66.	3.7	125
13	African Programme for Onchocerciasis Control 1995â€“2015: Model-Estimated Health Impact and Cost. PLoS Neglected Tropical Diseases, 2013, 7, e2032.	3.0	105
14	Global burden of cutaneous leishmaniasis: a cross-sectional analysis from the Global Burden of Disease Study 2013. Lancet Infectious Diseases, The, 2016, 16, 584-591.	9.1	103
15	Required duration of mass ivermectin treatment for onchocerciasis elimination in Africa: a comparative modelling analysis. Parasites and Vectors, 2015, 8, 552.	2.5	94
16	Quantitative analyses and modelling to support achievement of the 2020 goals for nine neglected tropical diseases. Parasites and Vectors, 2015, 8, 630.	2.5	80
17	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
18	River Blindness. Advances in Parasitology, 2016, 94, 247-341.	3.2	66

#	Article	IF	Citations
19	The global burden of psoriatic skin disease. British Journal of Dermatology, 2015, 172, 1665-1668.	1.5	64
20	Predicted Impact of COVID-19 on Neglected Tropical Disease Programs and the Opportunity for Innovation. Clinical Infectious Diseases, 2021, 72, 1463-1466.	5.8	62
21	Elimination of African Onchocerciasis: Modeling the Impact of Increasing the Frequency of Ivermectin Mass Treatment. PLoS ONE, 2014, 9, e115886.	2.5	59
22	Model-Based Geostatistical Mapping of the Prevalence of Onchocerca volvulus in West Africa. PLoS Neglected Tropical Diseases, 2016, 10, e0004328.	3.0	59
23	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
24	Feasibility of controlling hookworm infection through preventive chemotherapy: a simulation study using the individual-based WORMSIM modelling framework. Parasites and Vectors, 2015, 8, 541.	2.5	53
25	Elimination of visceral leishmaniasis in the Indian subcontinent: a comparison of predictions from three transmission models. Epidemics, 2017, 18, 67-80.	3.0	49
26	Feasibility of eliminating visceral leishmaniasis from the Indian subcontinent: explorations with a set of deterministic age-structured transmission models. Parasites and Vectors, 2016, 9, 24.	2.5	47
27	African Programme for Onchocerciasis Control 1995â€“2015: Updated Health Impact Estimates Based on New Disability Weights. PLoS Neglected Tropical Diseases, 2014, 8, e2759.	3.0	45
28	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
29	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
30	Burden of onchocerciasis-associated epilepsy: first estimates and research priorities. Infectious Diseases of Poverty, 2018, 7, 101.	3.7	34
31	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
32	Onchocerciasis: The Pre-control Association between Prevalence of Palpable Nodules and Skin Microfilariae. PLoS Neglected Tropical Diseases, 2013, 7, e2168.	3.0	33
33	African Program for Onchocerciasis Control 1995â€“2010: Impact of Annual Ivermectin Mass Treatment on Off-Target Infectious Diseases. PLoS Neglected Tropical Diseases, 2015, 9, e0004051.	3.0	32
34	Cortisol and severe fatigue: A longitudinal study in adolescent girls. Psychoneuroendocrinology, 2007, 32, 171-182.	2.7	31
35	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
36	A framework for scabies control. PLoS Neglected Tropical Diseases, 2021, 15, e0009661.	3.0	30

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37	An open-label phase 1/2a trial of a genetically modified rodent malaria parasite for immunization against Plasmodium falciparum malaria. Science Translational Medicine, 2020, 12, .	12.4	28
38	Sensitive diagnostic tools and targeted drug administration strategies are needed to eliminate schistosomiasis. Lancet Infectious Diseases, The, 2020, 20, e165-e172.	9.1	27
39	Comparing Cutaneous Research Funded by the National Institute of Arthritis and Musculoskeletal and Skin Diseases with 2010 Global Burden of Disease Results. PLoS ONE, 2014, 9, e102122.	2.5	25
40	Visceral leishmaniasis: Spatiotemporal heterogeneity and drivers underlying the hotspots in Muzaffarpur, Bihar, India. PLoS Neglected Tropical Diseases, 2018, 12, e0006888.	3.0	25
41	Projected Number of People With Onchocerciasisâ€“Loiasis Coinfection in Africa, 1995 to 2025. Clinical Infectious Diseases, 2020, 70, 2281-2289.	5.8	25
42	Global mortality from conditions with skin manifestations. Journal of the American Academy of Dermatology, 2014, 71, 1137-1143.e17.	1.2	23
43	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
44	Achieving herd immunity against COVID-19 at the country level by the exit strategy of a phased lift of control. Scientific Reports, 2021, 11, 4445.	3.3	22
45	Challenges in estimation, uncertainty quantification and elicitation for pandemic modelling. Epidemics, 2022, 38, 100547.	3.0	20
46	Structural Uncertainty in Onchocerciasis Transmission Models Influences the Estimation of Elimination Thresholds and Selection of Age Groups for Seromonitoring. Journal of Infectious Diseases, 2020, 221, S510-S518.	4.0	19
47	The Power of Malaria Vaccine Trials Using Controlled Human Malaria Infection. PLoS Computational Biology, 2017, 13, e1005255.	3.2	19
48	Modelling the impact of COVID-19-related programme interruptions on visceral leishmaniasis in India. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2021, 115, 229-235.	1.8	17
49	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. PLoS Neglected Tropical Diseases, 2021, 15, e0009604.	3.0	17
50	A Randomized Clinical Trial to Compare Plasmodium falciparum Gametocytemia and Infectivity After Blood-Stage or Mosquito Biteâ€“Induced Controlled Malaria Infection. Journal of Infectious Diseases, 2021, 224, 1257-1265.	4.0	16
51	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
52	Sampling strategies for monitoring and evaluation of morbidity targets for soil-transmitted helminths. PLoS Neglected Tropical Diseases, 2019, 13, e0007514.	3.0	15
53	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
54	Impact of Changes in Detection Effort on Control of Visceral Leishmaniasis in the Indian Subcontinent. Journal of Infectious Diseases, 2020, 221, S546-S553.	4.0	14

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55	In vitro evaluation of defined oligosaccharide fractions in an equine model of inflammation. BMC Veterinary Research, 2013, 9, 147.	1.9	13
56	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
57	Modelling the impact of COVID-19-related control programme interruptions on progress towards the WHO 2030 target for soil-transmitted helminths. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2021, 115, 253-260.	1.8	13
58	The potential impact of human visceral leishmaniasis vaccines on population incidence. PLoS Neglected Tropical Diseases, 2020, 14, e0008468.	3.0	12
59	Concurrence of dermatological and ophthalmological morbidity in onchocerciasis. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2012, 106, 243-251.	1.8	11
60	When, Who, and How to Sample: Designing Practical Surveillance for 7 Neglected Tropical Diseases as We Approach Elimination. Journal of Infectious Diseases, 2020, 221, S499-S502.	4.0	11
61	A Randomized Controlled Trial to Investigate Safety and Variability of Egg Excretion After Repeated Controlled Human Hookworm Infection. Journal of Infectious Diseases, 2021, 223, 905-913.	4.0	11
62	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. PLoS Neglected Tropical Diseases, 2021, 15, e0009740.	3.0	11
63	The influence of early clinical experiences on career preference of male and female medical students. Medical Teacher, 2009, 31, e323-e326.	1.8	10
64	The global burden of disease associated with alopecia areata. British Journal of Dermatology, 2015, 172, 1424-1426.	1.5	10
65	Impact of Different Sampling Schemes for Decision Making in Soil-Transmitted Helminthiasis Control Programs. Journal of Infectious Diseases, 2020, 221, S531-S538.	4.0	10
66	Strengthening data collection for neglected tropical diseases: What data are needed for models to better inform tailored intervention programmes?. PLoS Neglected Tropical Diseases, 2021, 15, e0009351.	3.0	10
67	Evaluating Parameter Uncertainty in a Simulation Model of Cancer Using Emulators. Medical Decision Making, 2019, 39, 405-413.	2.4	9
68	Survey Design to Monitor Drug Efficacy for the Control of Soil-Transmitted Helminthiasis and Schistosomiasis. Clinical Infectious Diseases, 2021, 72, S195-S202.	5.8	9
69	Effects of Separate and Concomitant TLR-2 and TLR-4 Activation in Peripheral Blood Mononuclear Cells of Newborn and Adult Horses. PLoS ONE, 2013, 8, e66897.	2.5	8
70	Uncertainty quantification and sensitivity analysis of COVID-19 exit strategies in an individual-based transmission model. PLoS Computational Biology, 2021, 17, e1009355.	3.2	8
71	Two-stage lot quality assurance sampling framework for monitoring and evaluation of neglected tropical diseases, allowing for imperfect diagnostics and spatial heterogeneity. PLoS Neglected Tropical Diseases, 2022, 16, e0010353.	3.0	8
72	Antibody and Antigen Prevalence as Indicators of Ongoing Transmission or Elimination of Visceral Leishmaniasis: A Modeling Study. Clinical Infectious Diseases, 2021, 72, S180-S187.	5.8	7

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73	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
74	The impact of mass drug administration expansion to low onchocerciasis prevalence settings in case of connected villages. PLoS Neglected Tropical Diseases, 2021, 15, e0009011.	3.0	6
75	How does onchocerciasis-related skin and eye disease in Africa depend on cumulative exposure to infection and mass treatment?. PLoS Neglected Tropical Diseases, 2021, 15, e0009489.	3.0	6
76	Equine colostral carbohydrates reduce lipopolysaccharideâ€induced inflammatory responses in equine peripheral blood mononuclear cells. Equine Veterinary Journal, 2012, 44, 68-72.	1.7	5
77	Effects of orally administered galacto-oligosaccharides on immunological parameters in foals: a pilot study. BMC Veterinary Research, 2014, 10, 278.	1.9	5
78	Standardisation of lymphatic filariasis microfilaraemia prevalence estimates based on different diagnostic methods: a systematic review and meta-analysis. Parasites and Vectors, 2020, 13, 302.	2.5	5
79	Differential Characteristics of Cytotoxic T Lymphocytes Restricted by the Protective HLA Alleles B*27 and B*57 in HIV-1 Infection. Journal of Acquired Immune Deficiency Syndromes (1999), 2014, 67, 236-245.	2.1	4
80	How modelling can help steer the course set by the World Health Organization 2021-2030 roadmap on neglected tropical diseases. Gates Open Research, 2021, 5, 112.	1.1	4
81	Impact of Key Assumptions About the Population Biology of Soil-Transmitted Helminths on the Sustainable Control of Morbidity. Clinical Infectious Diseases, 2021, 72, S188-S194.	5.8	3
82	Human visceral leishmaniasis in Central-Western Brazil: Spatial patterns and its correlation with socioeconomic aspects, environmental indices and canine infection. Acta Tropica, 2021, 221, 105965.	2.0	3
83	Deworming women of reproductive age during adolescence and pregnancy: what is the impact on morbidity from soil-transmitted helminths infection?. Parasites and Vectors, 2021, 14, 220.	2.5	2
84	Appropriateness of the current parasitological control target for hookworm morbidity: A statistical analysis of individual-level data. PLoS Neglected Tropical Diseases, 2022, 16, e0010279.	3.0	2
85	How modelling can help steer the course set by the World Health Organization 2021-2030 roadmap on neglected tropical diseases. Gates Open Research, 0, 5, 112.	1.1	1
86	Passive case detection for canine visceral leishmaniasis control in urban Brazil: Determinants of population uptake. PLoS Neglected Tropical Diseases, 2021, 15, e0009818.	3.0	0
87	The potential impact of human visceral leishmaniasis vaccines on population incidence. , 2020, 14, e0008468.		0
88	The potential impact of human visceral leishmaniasis vaccines on population incidence. , 2020, 14, e0008468.		0
89	The potential impact of human visceral leishmaniasis vaccines on population incidence. , 2020, 14, e0008468.		0
90	Predicting epidemics and the impact of interventions in heterogeneous settings: Standard SEIR models are too pessimistic. Journal of the Royal Statistical Society Series A: Statistics in Society, 0, , .	1.1	0