

Robert C Reiner

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.

114
papers

12,069
citations

54
h-index

109
g-index

119
ext. papers

19,330
ext. citations

18.2
avg, IF

5.45
L-index

#	Paper	IF	Citations
114	Estimating excess mortality due to the COVID-19 pandemic: a systematic analysis of COVID-19-related mortality, 2020-21.. <i>Lancet, The, 2022,</i>	40	69
113	Quantifying the effects of the COVID-19 pandemic on gender equality on health, social, and economic indicators: a comprehensive review of data from March, 2020, to September, 2021.. <i>Lancet, The, 2022,</i>	40	19
112	Estimating global, regional, and national daily and cumulative infections with SARS-CoV-2 through Nov 14, 2021: a statistical analysis.. <i>Lancet, The, 2022,</i>	40	10
111	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States.. <i>Proceedings of the National Academy of Sciences of the United States of America, 2022,</i> 119, e2113561119	11.5	13
110	Global antibiotic consumption and usage in humans, 2000-18: a spatial modelling study. <i>Lancet Planetary Health, The, 2021,</i>	9.8	26
109	Global prevalence and burden of depressive and anxiety disorders in 204 countries and territories in 2020 due to the COVID-19 pandemic. <i>Lancet, The, 2021,</i> 398, 1700-1712	40	270
108	Modelling distributions of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> using climate, host density and interspecies competition. <i>PLoS Neglected Tropical Diseases, 2021,</i> 15, e0009063	4.8	3
107	Predictive performance of international COVID-19 mortality forecasting models. <i>Nature Communications, 2021,</i> 12, 2609	17.4	37
106	Global Seasonal Influenza Mortality Estimates: A Comparison of 3 Different Approaches. <i>American Journal of Epidemiology, 2021,</i> 190, 718-727	3.8	5
105	Epidemiology, not geopolitics, should guide COVID-19 vaccine donations. <i>Lancet, The, 2021,</i> 398, 97-99	40	6
104	Trade-offs between individual and ensemble forecasts of an emerging infectious disease. <i>Nature Communications, 2021,</i> 12, 5379	17.4	3
103	Mapping global variation in human mobility. <i>Nature Human Behaviour, 2020,</i> 4, 800-810	12.8	36
102	Prevalence and attributable health burden of chronic respiratory diseases, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet Respiratory Medicine, the, 2020,</i> 8, 585-596	35.1	334
101	Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000-17: analysis for the Global Burden of Disease Study 2017. <i>Lancet, The, 2020,</i> 395, 1779-1801	40	30
100	Global, regional, and national burden of chronic kidney disease, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The, 2020,</i> 395, 709-733	40	1021
99	Global, regional, and national burden of congenital heart disease, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Child and Adolescent Health, 2020,</i> 4, 185-200	14.5	127
98	The global, regional, and national burden of cirrhosis by cause in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology, 2020,</i> 5, 245-266	18.8	297

97	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. <i>PLoS Computational Biology</i> , 2020 , 16, e1007446	5	5
96	Leveraging multiple data types to estimate the size of the Zika epidemic in the Americas. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008640	4.8	10
95	Oral rehydration therapies in Senegal, Mali, and Sierra Leone: a spatial analysis of changes over time and implications for policy. <i>BMC Medicine</i> , 2020 , 18, 405	11.4	2
94	Quantifying risks and interventions that have affected the burden of diarrhoea among children younger than 5 years: an analysis of the Global Burden of Disease Study 2017. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, 37-59	25.5	37
93	Quantifying risks and interventions that have affected the burden of lower respiratory infections among children younger than 5 years: an analysis for the Global Burden of Disease Study 2017. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, 60-79	25.5	46
92	Crowding and the shape of COVID-19 epidemics. <i>Nature Medicine</i> , 2020 , 26, 1829-1834	50.5	97
91	Measuring health related quality of life for dengue patients in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008477	4.8	1
90	Heterogeneity of Dengue Illness in Community-Based Prospective Study, Iquitos, Peru. <i>Emerging Infectious Diseases</i> , 2020 , 26, 2077-2086	10.2	2
89	The global distribution of lymphatic filariasis, 2000-18: a geospatial analysis. <i>The Lancet Global Health</i> , 2020 , 8, e1186-e1194	13.6	34
88	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response. <i>PLoS Computational Biology</i> , 2020 , 16, e1007743	5	10
87	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology 2020 , 16, e1007446		
86	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology 2020 , 16, e1007446		
85	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology 2020 , 16, e1007446		
84	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology 2020 , 16, e1007446		
83	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response 2020 , 16, e1007743		
82	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response 2020 , 16, e1007743		
81	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response 2020 , 16, e1007743		
80	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response 2020 , 16, e1007743		

79	The global, regional, and national burden of pancreatic cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , 2019 , 4, 934-947	18.8	167
78	Pareto rules for malaria super-spreaders and super-spreading. <i>Nature Communications</i> , 2019 , 10, 3939	17.4	23
77	Heterogeneous local dynamics revealed by classification analysis of spatially disaggregated time series data. <i>Epidemics</i> , 2019 , 29, 100357	5.1	7
76	The global burden of non-typhoidal salmonella invasive disease: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet Infectious Diseases</i> , 2019 , 19, 1312-1324	25.5	128
75	Identifying residual hotspots and mapping lower respiratory infection morbidity and mortality in African children from 2000 to 2017. <i>Nature Microbiology</i> , 2019 , 4, 2310-2318	26.6	15
74	Global, regional, and national burden of multiple sclerosis 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Neurology</i> , 2019 , 18, 269-285	24.1	407
73	Capturing the true burden of Shigella and ETEC: The way forward. <i>Vaccine</i> , 2019 , 37, 4784-4786	4.1	7
72	The current and future global distribution and population at risk of dengue. <i>Nature Microbiology</i> , 2019 , 4, 1508-1515	26.6	275
71	Estimating the impact of city-wide <i>Aedes aegypti</i> population control: An observational study in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007255	4.8	8
70	Mapping HIV prevalence in sub-Saharan Africa between 2000 and 2017. <i>Nature</i> , 2019 , 570, 189-193	50.4	161
69	The association between Zika virus infection and microcephaly in Brazil 2015-2017: An observational analysis of over 4 million births. <i>PLoS Medicine</i> , 2019 , 16, e1002755	11.6	70
68	Past and future spread of the arbovirus vectors <i>Aedes aegypti</i> and <i>Aedes albopictus</i> . <i>Nature Microbiology</i> , 2019 , 4, 854-863	26.6	319
67	Inter-annual variation in seasonal dengue epidemics driven by multiple interacting factors in Guangzhou, China. <i>Nature Communications</i> , 2019 , 10, 1148	17.4	21
66	Mapping diphtheria-pertussis-tetanus vaccine coverage in Africa, 2000-2016: a spatial and temporal modelling study. <i>Lancet</i> , 2019 , 393, 1843-1855	40	55
65	An agent-based model of dengue virus transmission shows how uncertainty about breakthrough infections influences vaccination impact projections. <i>PLoS Computational Biology</i> , 2019 , 15, e1006710	5	17
64	Global, regional, and national burden of brain and other CNS cancer, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Neurology</i> , 2019 , 18, 376-393	24.1	201
63	Estimating health-loss due to enteric pathogens: importance and challenges. <i>The Lancet Global Health</i> , 2019 , 7, e284-e285	13.6	1
62	Causal Inference in Spatial Mapping. <i>Trends in Parasitology</i> , 2019 , 35, 743-746	6.4	2

61	Mapping exclusive breastfeeding in Africa between 2000 and 2017. <i>Nature Medicine</i> , 2019 , 25, 1205-1213	30.5	34
60	The global burden of childhood and adolescent cancer in 2017: an analysis of the Global Burden of Disease Study 2017. <i>Lancet Oncology</i> , 2019 , 20, 1211-1225	21.7	107
59	The global, regional, and national burden of colorectal cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , 2019 , 4, 913-933	18.8	144
58	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. <i>Nature</i> , 2019 , 574, 353-358	35.4	87
57	The global burden of typhoid and paratyphoid fevers: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet Infectious Diseases</i> , 2019 , 19, 369-381	25.5	234
56	Mortality, morbidity, and hospitalisations due to influenza lower respiratory tract infections, 2017: an analysis for the Global Burden of Disease Study 2017. <i>Lancet Respiratory Medicine</i> , 2019 , 7, 69-89	35.1	176
55	Global, regional, and national burden of Alzheimer's disease and other dementias, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Neurology</i> , 2019 , 18, 88-106	24.1	782
54	Mapping child growth failure in Africa between 2000 and 2015. <i>Nature</i> , 2018 , 555, 41-47	50.4	118
53	Mapping local variation in educational attainment across Africa. <i>Nature</i> , 2018 , 555, 48-53	50.4	52
52	Spatiotemporal incidence of Zika and associated environmental drivers for the 2015-2016 epidemic in Colombia. <i>Scientific Data</i> , 2018 , 5, 180073	8.2	14
51	Spending on health and HIV/AIDS: domestic health spending and development assistance in 188 countries, 1995-2015. <i>Lancet</i> , 2018 , 391, 1799-1829	40	95
50	Trends in future health financing and coverage: future health spending and universal health coverage in 188 countries, 2016-40. <i>Lancet</i> , 2018 , 391, 1783-1798	40	121
49	Existing and potential infection risk zones of yellow fever worldwide: a modelling analysis. <i>The Lancet Global Health</i> , 2018 , 6, e270-e278	13.6	74
48	Global disability-adjusted life-year estimates of long-term health burden and undernutrition attributable to diarrhoeal diseases in children younger than 5 years. <i>The Lancet Global Health</i> , 2018 , 6, e255-e269	13.6	77
47	Morbidity, mortality, and long-term consequences associated with diarrhoea from <i>Cryptosporidium</i> infection in children younger than 5 years: a meta-analysis study. <i>The Lancet Global Health</i> , 2018 , 6, e758-e768	13.6	162
46	Global, regional, and national burden of meningitis, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Neurology</i> , 2018 , 17, 1061-1082	24.1	124
45	Morbidity and mortality due to shigella and enterotoxigenic <i>Escherichia coli</i> diarrhoea: the Global Burden of Disease Study 1990-2016. <i>Lancet Infectious Diseases</i> , 2018 , 18, 1229-1240	25.5	211
44	Global, regional, and national burden of motor neuron diseases 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Neurology</i> , 2018 , 17, 1083-1097	24.1	97

43	Development and validation of a new method for indirect estimation of neonatal, infant, and child mortality trends using summary birth histories. <i>PLoS Medicine</i> , 2018 , 15, e1002687	11.6	7
42	Estimates of the global, regional, and national morbidity, mortality, and aetiologies of lower respiratory infections in 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Infectious Diseases, The</i> , 2018 , 18, 1191-1210	25.5	534
41	Variation in Childhood Diarrheal Morbidity and Mortality in Africa, 2000-2015. <i>New England Journal of Medicine</i> , 2018 , 379, 1128-1138	59.2	68
40	Estimates of the global, regional, and national morbidity, mortality, and aetiologies of diarrhoea in 195 countries: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Infectious Diseases, The</i> , 2018 , 18, 1211-1228	25.5	478
39	Genomic epidemiology reveals multiple introductions of Zika virus into the United States. <i>Nature</i> , 2017 , 546, 401-405	50.4	235
38	Estimates of global, regional, and national morbidity, mortality, and aetiologies of diarrhoeal diseases: a systematic analysis for the Global Burden of Disease Study 2015. <i>Lancet Infectious Diseases, The</i> , 2017 , 17, 909-948	25.5	567
37	Spread of yellow fever virus outbreak in Angola and the Democratic Republic of the Congo 2015-16: a modelling study. <i>Lancet Infectious Diseases, The</i> , 2017 , 17, 330-338	25.5	140
36	Mapping under-5 and neonatal mortality in Africa, 2000-15: a baseline analysis for the Sustainable Development Goals. <i>Lancet, The</i> , 2017 , 390, 2171-2182	40	142
35	Local, national, and regional viral haemorrhagic fever pandemic potential in Africa: a multistage analysis. <i>Lancet, The</i> , 2017 , 390, 2662-2672	40	51
34	Estimates of the global, regional, and national morbidity, mortality, and aetiologies of lower respiratory tract infections in 195 countries: a systematic analysis for the Global Burden of Disease Study 2015. <i>Lancet Infectious Diseases, The</i> , 2017 , 17, 1133-1161	25.5	337
33	Global yellow fever vaccination coverage from 1970 to 2016: an adjusted retrospective analysis. <i>Lancet Infectious Diseases, The</i> , 2017 , 17, 1209-1217	25.5	91
32	Cholera forecast for Dhaka, Bangladesh, with the 2015-2016 El Niño: Lessons learned. <i>PLoS ONE</i> , 2017 , 12, e0172355	3.7	12
31	Coupled Heterogeneities and Their Impact on Parasite Transmission and Control. <i>Trends in Parasitology</i> , 2016 , 32, 356-367	6.4	29
30	Vectorial capacity and vector control: reconsidering sensitivity to parameters for malaria elimination. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2016 , 110, 107-17	2	96
29	Incomplete Protection against Dengue Virus Type 2 Re-infection in Peru. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004398	4.8	57
28	Quantifying the Epidemiological Impact of Vector Control on Dengue. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004588	4.8	53
27	The Long-Term Safety, Public Health Impact, and Cost-Effectiveness of Routine Vaccination with a Recombinant, Live-Attenuated Dengue Vaccine (Dengvaxia): A Model Comparison Study. <i>PLoS Medicine</i> , 2016 , 13, e1002181	11.6	127
26	Climate change, urbanization and disease: summer in the city. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2015 , 109, 171-2	2	11

25	A critical assessment of vector control for dengue prevention. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003655	4.8	236
24	Adult vector control, mosquito ecology and malaria transmission. <i>International Health</i> , 2015 , 7, 121-9	2.4	24
23	Seasonality of Plasmodium falciparum transmission: a systematic review. <i>Malaria Journal</i> , 2015 , 14, 343	3.6	41
22	Plasmodium vivax Transmission in Africa. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004222	4.8	71
21	Estimating malaria transmission from humans to mosquitoes in a noisy landscape. <i>Journal of the Royal Society Interface</i> , 2015 , 12, 20150478	4.1	7
20	A global assembly of adult female mosquito mark-release-recapture data to inform the control of mosquito-borne pathogens. <i>Parasites and Vectors</i> , 2014 , 7, 276	4	78
19	Global temperature constraints on Aedes aegypti and Ae. albopictus persistence and competence for dengue virus transmission. <i>Parasites and Vectors</i> , 2014 , 7, 338	4	212
18	Socially structured human movement shapes dengue transmission despite the diffusive effect of mosquito dispersal. <i>Epidemics</i> , 2014 , 6, 30-6	5.1	84
17	Time-varying, serotype-specific force of infection of dengue virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2694-702	11.5	87
16	Strengths and weaknesses of Global Positioning System (GPS) data-loggers and semi-structured interviews for capturing fine-scale human mobility: findings from Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2888	4.8	41
15	Determinants of heterogeneous blood feeding patterns by Aedes aegypti in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2702	4.8	47
14	Long-term and seasonal dynamics of dengue in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3003	4.8	76
13	Recasting the theory of mosquito-borne pathogen transmission dynamics and control. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2014 , 108, 185-97	2	110
12	Theory and data for simulating fine-scale human movement in an urban environment. <i>Journal of the Royal Society Interface</i> , 2014 , 11,	4.1	40
11	A systematic review of mathematical models of mosquito-borne pathogen transmission: 1970-2010. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20120921	4.1	239
10	House-to-house human movement drives dengue virus transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 994-9	11.5	319
9	Highly localized sensitivity to climate forcing drives endemic cholera in a megacity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2033-6	11.5	94
8	Analytical and numerical investigation of the performance of the BGT2 condition for low-frequency acoustic scattering problems. <i>Journal of Computational and Applied Mathematics</i> , 2007 , 204, 526-536	2.4	1

7	The performance of local absorbing boundary conditions for acoustic scattering from elliptical shapes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 3622-3665	5.7	14
6	Improvement of the performance of the BGT2 condition for low frequency acoustic scattering problems. <i>Wave Motion</i> , 2006 , 43, 406-424	1.8	6
5	Leveraging multiple data types to estimate the true size of the Zika epidemic in the Americas		1
4	Ensemble Forecasts of Coronavirus Disease 2019 (COVID-19) in the U.S.		40
3	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the US		20
2	Heterogeneous local dynamics revealed by classification analysis of spatially disaggregated time series data		2
1	Inter-annual variation in seasonal dengue epidemics driven by multiple interacting factors in Guangzhou, China		1