Samir Bhatt

List of Publications by Year in descending order

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Version: 2024-02-01

146 papers	58,958 citations	13827 67 h-index	10708 138 g-index
186 all docs	186 docs citations	186 times ranked	83679 citing authors

#	Article	IF	Citations
1	The global distribution and burden of dengue. Nature, 2013, 496, 504-507.	13.7	7,138
2	Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990â€“2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet, The, 2017, 390, 1211-1259.	6.3	5,578
3	Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990â€“2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1545-1602.	6.3	5,298
4	Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990â€“2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1659-1724.	6.3	4,203
5	Global, regional, and national age-sex specific mortality for 264 causes of death, 1980â€“2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet, The, 2017, 390, 1151-1210.	6.3	3,565
6	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. Nature, 2020, 584, 257-261.	13.7	2,558
7	The effect of malaria control on Plasmodium falciparum in Africa between 2000 and 2015. Nature, 2015, 526, 207-211.	13.7	2,140
8	Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1859-1922.	6.3	2,123
9	Origins and evolutionary genomics of the 2009 swine-origin H1N1 influenza A epidemic. Nature, 2009, 459, 1122-1125.	13.7	1,870
10	Global, regional, and national disability-adjusted life-years (DALYs) for 315 diseases and injuries and healthy life expectancy (HALE), 1990â€“2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1603-1658.	6.3	1,612
11	Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990â€“2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet, The, 2017, 390, 1260-1344.	6.3	1,589
12	Refining the Global Spatial Limits of Dengue Virus Transmission by Evidence-Based Consensus. PLoS Neglected Tropical Diseases, 2012, 6, e1760.	1.3	1,276
13	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. Science, 2021, 372, 815-821.	6.0	1,125
14	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. Nature, 2021, 599, 114-119.	13.7	1,041
15	Assessing transmissibility of SARS-CoV-2 lineage B.1.1.7 in England. Nature, 2021, 593, 266-269.	13.7	1,001
16	Comparative analysis of the risks of hospitalisation and death associated with SARS-CoV-2 omicron (B.1.1.529) and delta (B.1.617.2) variants in England: a cohort study. Lancet, The, 2022, 399, 1303-1312.	6.3	889
17	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Voâ€™. Nature, 2020, 584, 425-429.	13.7	872
18	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. Science, 2020, 369, 413-422.	6.0	718

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19	Global, regional, and national age-sex-specific mortality and life expectancy, 1950â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1684-1735.	6.3	716
20	A global map of travel time to cities to assess inequalities in accessibility in 2015. Nature, 2018, 553, 333-336.	13.7	672
21	Potential impact of the COVID-19 pandemic on HIV, tuberculosis, and malaria in low-income and middle-income countries: a modelling study. The Lancet Global Health, 2020, 8, e1132-e1141.	2.9	573
22	Global, regional, national, and selected subnational levels of stillbirths, neonatal, infant, and under-5 mortality, 1980â€“2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1725-1774.	6.3	571
23	Global spread of dengue virus types: mapping the 70 year history. Trends in Microbiology, 2014, 22, 138-146.	3.5	494
24	Evolution and epidemic spread of SARS-CoV-2 in Brazil. Science, 2020, 369, 1255-1260.	6.0	454
25	Measuring the health-related Sustainable Development Goals in 188 countries: a baseline analysis from the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1813-1850.	6.3	413
26	Reduction in mobility and COVID-19 transmission. Nature Communications, 2021, 12, 1090.	5.8	394
27	Modelling adult Aedes aegypti and Aedes albopictus survival at different temperatures in laboratory and field settings. Parasites and Vectors, 2013, 6, 351.	1.0	357
28	Mapping the zoonotic niche of Ebola virus disease in Africa. ELife, 2014, 3, e04395.	2.8	328
29	Mapping the global prevalence, incidence, and mortality of Plasmodium falciparum, 2000â€“17: a spatial and temporal modelling study. Lancet, The, 2019, 394, 322-331.	6.3	290
30	Measuring progress and projecting attainment on the basis of past trends of the health-related Sustainable Development Goals in 188 countries: an analysis from the Global Burden of Disease Study 2016. Lancet, The, 2017, 390, 1423-1459.	6.3	284
31	Mapping the global endemicity and clinical burden of Plasmodium vivax, 2000â€“17: a spatial and temporal modelling study. Lancet, The, 2019, 394, 332-343.	6.3	276
32	Malaria eradication within a generation: ambitious, achievable, and necessary. Lancet, The, 2019, 394, 1056-1112.	6.3	240
33	Age groups that sustain resurging COVID-19 epidemics in the United States. Science, 2021, 371, .	6.0	239
34	Genomic characterization and epidemiology of an emerging SARS-CoV-2 variant in Delhi, India. Science, 2021, 374, 995-999.	6.0	230
35	Geographical variation in Plasmodium vivax relapse. Malaria Journal, 2014, 13, 144.	0.8	223
36	Long-term evolution and transmission dynamics of swine influenza A virus. Nature, 2011, 473, 519-522.	13.7	219

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37	Mapping under-5 and neonatal mortality in Africa, 2000â€“15: a baseline analysis for the Sustainable Development Goals. Lancet, The, 2017, 390, 2171-2182.	6.3	214
38	MappingPlasmodium falciparumMortality in Africa between 1990 and 2015. New England Journal of Medicine, 2016, 375, 2435-2445.	13.9	205
39	Global distribution maps of the leishmaniases. ELife, 2014, 3, .	2.8	203
40	Global maps of travel time to healthcare facilities. Nature Medicine, 2020, 26, 1835-1838.	15.2	182
41	Global mapping of infectious disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120250.	1.8	179
42	Mapping child growth failure in Africa between 2000 and 2015. Nature, 2018, 555, 41-47.	13.7	177
43	Mosquito feeding behavior and how it influences residual malaria transmission across Africa. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15086-15095.	3.3	172
44	Global minimum estimates of children affected by COVID-19-associated orphanhood and deaths of caregivers: a modelling study. Lancet, The, 2021, 398, 391-402.	6.3	172
45	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 1381-1389.	4.6	171
46	An effective approach for gap-filling continental scale remotely sensed time-series. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 98, 106-118.	4.9	156
47	Indirect effects of the COVID-19 pandemic on malaria intervention coverage, morbidity, and mortality in Africa: a geospatial modelling analysis. Lancet Infectious Diseases, The, 2021, 21, 59-69.	4.6	152
48	The Genomic Rate of Molecular Adaptation of the Human Influenza A Virus. Molecular Biology and Evolution, 2011, 28, 2443-2451.	3.5	150
49	Predicting the risk of avian influenza A H7N9 infection in live-poultry markets across Asia. Nature Communications, 2014, 5, 4116.	5.8	145
50	Risk of hospitalisation associated with infection with SARS-CoV-2 omicron variant versus delta variant in Denmark: an observational cohort study. Lancet Infectious Diseases, The, 2022, 22, 967-976.	4.6	140
51	Response to COVID-19 in South Korea and implications for lifting stringent interventions. BMC Medicine, 2020, 18, 321.	2.3	137
52	Understanding the effectiveness of government interventions against the resurgence of COVID-19 in Europe. Nature Communications, 2021, 12, 5820.	5.8	135
53	Coverage and system efficiencies of insecticide-treated nets in Africa from 2000 to 2017. ELife, 2015, 4, .	2.8	131
54	Mapping changes in housing in sub-Saharan Africa from 2000 to 2015. Nature, 2019, 568, 391-394.	13.7	124

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55	Changing composition of SARS-CoV-2 lineages and rise of Delta variant in England. EClinicalMedicine, 2021, 39, 101064.	3.2	116
56	Geographical distributions of African malaria vector sibling species and evidence for insecticide resistance. Malaria Journal, 2017, 16, 85.	0.8	112
57	Variation in Childhood Diarrheal Morbidity and Mortality in Africa, 2000â€“2015. New England Journal of Medicine, 2018, 379, 1128-1138.	13.9	106
58	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, 6189.	5.8	104
59	Track Omicronâ€™s spread with molecular data. Science, 2021, 374, 1454-1455.	6.0	103
60	Potential for reduction of burden and local elimination of malaria by reducing Plasmodium falciparum malaria transmission: a mathematical modelling study. Lancet Infectious Diseases, The, 2016, 16, 465-472.	4.6	102
61	Mapping diphtheria-pertussis-tetanus vaccine coverage in Africa, 2000â€“2016: a spatial and temporal modelling study. Lancet, The, 2019, 393, 1843-1855.	6.3	97
62	Mapping trends in insecticide resistance phenotypes in African malaria vectors. PLoS Biology, 2020, 18, e3000633.	2.6	92
63	Utilizing general human movement models to predict the spread of emerging infectious diseases in resource poor settings. Scientific Reports, 2019, 9, 5151.	1.6	89
64	Re-examining environmental correlates of Plasmodium falciparum malaria endemicity: a data-intensive variable selection approach. Malaria Journal, 2015, 14, 68.	0.8	86
65	Improved prediction accuracy for disease risk mapping using Gaussian process stacked generalization. Journal of the Royal Society Interface, 2017, 14, 20170520.	1.5	86
66	The distribution of haemoglobin C and its prevalence in newborns in Africa. Scientific Reports, 2013, 3, 1671.	1.6	85
67	Defining the Geographical Range of the Plasmodium knowlesi Reservoir. PLoS Neglected Tropical Diseases, 2014, 8, e2780.	1.3	84
68	Mapping local variation in educational attainment across Africa. Nature, 2018, 555, 48-53.	13.7	81
69	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	0.9	81
70	Local, national, and regional viral haemorrhagic fever pandemic potential in Africa: a multistage analysis. Lancet, The, 2017, 390, 2662-2672.	6.3	80
71	Estimating Geographical Variation in the Risk of Zoonotic Plasmodium knowlesi Infection in Countries Eliminating Malaria. PLoS Neglected Tropical Diseases, 2016, 10, e0004915.	1.3	76
72	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. Lancet, The, 2020, 395, e110-e111.	6.3	70

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73	malariaAtlas: an R interface to global malariometric data hosted by the Malaria Atlas Project. Malaria Journal, 2018, 17, 352.	0.8	69
74	Defining the relationship between infection prevalence and clinical incidence of Plasmodium falciparum malaria. Nature Communications, 2015, 6, 8170.	5.8	67
75	Air temperature suitability for Plasmodium falciparum malaria transmission in Africa 2000-2012: a high-resolution spatiotemporal prediction. Malaria Journal, 2014, 13, 171.	0.8	65
76	Housing and child health in sub-Saharan Africa: A cross-sectional analysis. PLoS Medicine, 2020, 17, e1003055.	3.9	64
77	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	0.9	62
78	Updates to the zoonotic niche map of Ebola virus disease in Africa. ELife, 2016, 5, .	2.8	61
79	Quantifying Online News Media Coverage of the COVID-19 Pandemic: Text Mining Study and Resource. Journal of Medical Internet Research, 2021, 23, e28253.	2.1	60
80	Population coverage of artemisinin-based combination treatment in children younger than 5 years with fever and Plasmodium falciparum infection in Africa, 2003â€“2015: a modelling study using data from national surveys. The Lancet Global Health, 2017, 5, e418-e427.	2.9	59
81	Maps and metrics of insecticide-treated net access, use, and nets-per-capita in Africa from 2000-2020. Nature Communications, 2021, 12, 3589.	5.8	57
82	Mask wearing in community settings reduces SARS-CoV-2 transmission. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	56
83	The spatial epidemiology of sickle-cell anaemia in India. Scientific Reports, 2018, 8, 17685.	1.6	55
84	Treatment-seeking rates in malaria endemic countries. Malaria Journal, 2016, 15, 20.	0.8	53
85	Global investment targets for malaria control and elimination between 2016 and 2030. BMJ Global Health, 2017, 2, e000176.	2.0	52
86	Is the cure really worse than the disease? The health impacts of lockdowns during COVID-19. BMJ Global Health, 2021, 6, e006653.	2.0	51
87	Global, regional, and national minimum estimates of children affected by COVID-19-associated orphanhood and caregiver death, by age and family circumstance up to Oct 31, 2021: an updated modelling study. The Lancet Child and Adolescent Health, 2022, 6, 249-259.	2.7	46
88	Associated patterns of insecticide resistance in field populations of malaria vectors across Africa. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5938-5943.	3.3	45
89	Estimating reassortment rates in co-circulating Eurasian swine influenza viruses. Journal of General Virology, 2012, 93, 2326-2336.	1.3	42
90	Purifying Selection Determines the Short-Term Time Dependency of Evolutionary Rates in SARS-CoV-2 and pH1N1 Influenza. Molecular Biology and Evolution, 2022, 39, .	3.5	42

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91	The evolutionary dynamics of influenza A virus adaptation to mammalian hosts. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120382.	1.8	40
92	Declining malaria in Africa: improving the measurement of progress. Malaria Journal, 2014, 13, 39.	0.8	37
93	Targeting the right interventions to the right people and places. Aids, 2018, 32, 957-963.	1.0	36
94	Quantifying the contribution of Plasmodium falciparum malaria to febrile illness amongst African children. ELife, 2017, 6, .	2.8	34
95	Inference of COVID-19 epidemiological distributions from Brazilian hospital data. Journal of the Royal Society Interface, 2020, 17, 20200596.	1.5	32
96	Multimodal deep learning from satellite and street-level imagery for measuring income, overcrowding, and environmental deprivation in urban areas. Remote Sensing of Environment, 2021, 257, 112339.	4.6	32
97	Identifying residual hotspots and mapping lower respiratory infection morbidity and mortality in African children from 2000 to 2017. Nature Microbiology, 2019, 4, 2310-2318.	5.9	31
98	Detecting natural selection in RNA virus populations using sequence summary statistics. Infection, Genetics and Evolution, 2010, 10, 421-430.	1.0	30
99	Spatial mapping with Gaussian processes and nonstationary Fourier features. Spatial Statistics, 2018, 28, 59-78.	0.9	29
100	Estimating spatiotemporally varying malaria reproduction numbers in a near elimination setting. Nature Communications, 2018, 9, 2476.	5.8	28
101	The association between mechanical ventilator compatible bed occupancy and mortality risk in intensive care patients with COVID-19: a national retrospective cohort study. BMC Medicine, 2021, 19, 213.	2.3	28
102	Estimating the COVID-19 infection fatality ratio accounting for seroreversion using statistical modelling. Communications Medicine, 2022, 2, .	1.9	28
103	A unified machine learning approach to time series forecasting applied to demand at emergency departments. BMC Emergency Medicine, 2021, 21, 9.	0.7	26
104	Comparing the responses of the UK, Sweden and Denmark to COVID-19 using counterfactual modelling. Scientific Reports, 2021, 11, 16342.	1.6	26
105	Spatial and temporal fluctuations in COVID-19 fatality rates in Brazilian hospitals. Nature Medicine, 2022, 28, 1476-1485.	15.2	24
106	Standardizing Plasmodium falciparum infection prevalence measured via microscopy versus rapid diagnostic test. Malaria Journal, 2015, 14, 460.	0.8	22
107	The contribution of non-malarial febrile illness co-infections to Plasmodium falciparum case counts in health facilities in sub-Saharan Africa. Malaria Journal, 2019, 18, 195.	0.8	20
108	The changing landscape of Plasmodium falciparum drug resistance in the Democratic Republic of Congo. BMC Infectious Diseases, 2019, 19, 872.	1.3	20

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109	Global estimation of anti-malarial drug effectiveness for the treatment of uncomplicated Plasmodium falciparum malaria 1991â€“2019. Malaria Journal, 2020, 19, 374.	0.8	18
110	Mapping malaria seasonality in Madagascar using health facility data. BMC Medicine, 2020, 18, 26.	2.3	18
111	Environmental temperature and growth faltering in African children: a cross-sectional study. Lancet Planetary Health, The, 2020, 4, e116-e123.	5.1	18
112	Modelling the impact of larviciding on the population dynamics and biting rates of Simulium damnosum (s.l.): implications for vector control as a complementary strategy for onchocerciasis elimination in Africa. Parasites and Vectors, 2018, 11, 316.	1.0	15
113	The impact of the COVID-19 pandemic on patterns of attendance at emergency departments in two large London hospitals: an observational study. BMC Health Services Research, 2021, 21, 1008.	0.9	15
114	Estimating the burden of Î±-thalassaemia in Thailand using a comprehensive prevalence database for Southeast Asia. ELife, 2019, 8, .	2.8	15
115	Tracking progress towards malaria elimination in China: Individual-level estimates of transmission and its spatiotemporal variation using a diffusion network approach. PLoS Computational Biology, 2020, 16, e1007707.	1.5	14
116	Reduced Risk of Hospitalisation Associated With Infection With SARS-CoV-2 Omicron Relative to Delta: A Danish Cohort Study. SSRN Electronic Journal, 0, , .	0.4	14
117	Modelling the impact of the tier system on SARS-CoV-2 transmission in the UK between the first and second national lockdowns. BMJ Open, 2021, 11, e050346.	0.8	13
118	Spectrum-Malaria: a user-friendly projection tool for health impact assessment and strategic planning by malaria control programmes in sub-Saharan Africa. Malaria Journal, 2017, 16, 68.	0.8	12
119	A joint Bayesian spaceâ€“time model to integrate spatially misaligned air pollution data in Râ€INLA. Environmetrics, 2020, 31, e2644.	0.6	12
120	Database of epidemic trends and control measures during the first wave of COVID-19 in mainland China. International Journal of Infectious Diseases, 2021, 102, 463-471.	1.5	12
121	Estimating malaria incidence from routine health facility-based surveillance data in Uganda. Malaria Journal, 2020, 19, 445.	0.8	11
122	Spatial analysis made easy with linear regression and kernels. Epidemics, 2019, 29, 100362.	1.5	10
123	Faster Adaptation in Smaller Populations: Counterintuitive Evolution of HIV during Childhood Infection. PLoS Computational Biology, 2016, 12, e1004694.	1.5	8
124	Geo-spatial modeling of access to water and sanitation in Nigeria. Journal of Water Sanitation and Hygiene for Development, 2019, 9, 258-280.	0.7	8
125	Implications of a highly transmissible variant of SARS-CoV-2 for children. Archives of Disease in Childhood, 2021, 106, e37-e37.	1.0	8
126	Using Hawkes Processes to model imported and local malaria cases in near-elimination settings. PLoS Computational Biology, 2021, 17, e1008830.	1.5	8

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127	Reply to: The effect of interventions on COVID-19. Nature, 2020, 588, E29-E32.	13.7	7
128	A dataset of non-pharmaceutical interventions on SARS-CoV-2 in Europe. Scientific Data, 2022, 9, 145.	2.4	7
129	Causal Inference in Spatial Mapping. Trends in Parasitology, 2019, 35, 743-746.	1.5	6
130	SARS-CoV-2 infection prevalence on repatriation flights from Wuhan City, China. Journal of Travel Medicine, 2020, 27, .	1.4	5
131	Novel Epidemic Metrics to Communicate Outbreak Risk at the Municipality Level: Dengue and Zika in the Dominican Republic. Viruses, 2022, 14, 162.	1.5	5
132	Inference of malaria reproduction numbers in three elimination settings by combining temporal data and distance metrics. Scientific Reports, 2021, 11, 14495.	1.6	4
133	A novel statistical framework for exploring the population dynamics and seasonality of mosquito populations. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220089.	1.2	4
134	PriorVAE: encoding spatial priors with variational autoencoders for small-area estimation. Journal of the Royal Society Interface, 2022, 19, .	1.5	4
135	Host or pathogen-related factors in COVID-19 severity? â€“ Authors' reply. Lancet, The, 2020, 396, 1397.	6.3	3
136	Modeling DREAMS impact: trends in new HIV diagnoses among women attending antenatal care clinics in DREAMS countries. Aids, 2022, 36, S51-S59.	1.0	3
137	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
138	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
139	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
140	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
141	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
142	Mapping trends in insecticide resistance phenotypes in African malaria vectors. , 2020, 18, e3000633.		0
143	Title is missing!. , 2020, 16, e1007707.		0
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145	Title is missing!. , 2020, 16, e1007707.		0
146	Title is missing!. , 2020, 16, e1007707.		0