Moritz Kraemer

List of Publications by Year in Descending Order

122 papers	14,553 citations	51 h-index	120 g-index
135 ext. papers	20,567 ext. citations	17.6 avg, IF	6.75 L-index

#	Paper	IF	Citations
122	Mapping environmental suitability of Haemagogus and Sabethes spp. mosquitoes to understand sylvatic transmission risk of yellow fever virus in Brazil.. *PLoS Neglected Tropical Diseases*, **2022**, 16, e0010019	4.8	0
121	Rapid epidemic expansion of the SARS-CoV-2 Omicron variant in southern Africa.. *Nature*, **2022**,	50.4	205
120	Malaria elimination on Hainan Island despite climate change. *Communications Medicine*, **2022**, 2,		1
119	The relationship between rising temperatures and malaria incidence in Hainan, China, from 1984 to 2010: a longitudinal cohort study.. *Lancet Planetary Health, The*, **2022**, 6, e350-e358	9.8	1
118	Context-specific emergence and growth of the SARS-CoV-2 Delta variant. **2021**,		3
117	Track Omicron's spread with molecular data. *Science*, **2021**, 374, eabn4543	33.3	44
116	Monitoring key epidemiological parameters of SARS-CoV-2 transmission. *Nature Medicine*, **2021**, 27, 1854-1855	30.9	53
115	Progress and challenges in virus genomic epidemiology. *Trends in Parasitology*, **2021**, 37, 1038-1049	6.4	4
114	Recommended reporting items for epidemic forecasting and prediction research: The EPIFORGE 2020 guidelines. *PLoS Medicine*, **2021**, 18, e1003793	11.6	3
113	Sharing, synthesis and sustainability of data analysis for epidemic preparedness in Europe. *Lancet Regional Health - Europe, The*, **2021**, 9, 100215		2
112	Modelling distributions of Aedes aegypti and Aedes albopictus using climate, host density and interspecies competition. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009063	4.8	3
111	Mask-wearing and control of SARS-CoV-2 transmission in the USA: a cross-sectional study. *The Lancet Digital Health*, **2021**, 3, e148-e157	14.4	95
110	Using digital surveillance tools for near real-time mapping of the risk of infectious disease spread. *Npj Digital Medicine*, **2021**, 4, 73	15.7	6
109	Transmission of SARS-CoV-2 before and after symptom onset: impact of nonpharmaceutical interventions in China. *European Journal of Epidemiology*, **2021**, 36, 429-439	12.1	4
108	Genomics and epidemiology of the P.1 SARS-CoV-2 lineage in Manaus, Brazil. *Science*, **2021**, 372, 815-821	33.3	603
107	Association between coronavirus disease 2019 (COVID-19) and long-term exposure to air pollution: Evidence from the first epidemic wave in China. *Environmental Pollution*, **2021**, 276, 116682	9.3	17
106	Tracking the international spread of SARS-CoV-2 lineages B.1.1.7 and B.1.351/501Y-V2. *Wellcome Open Research*, **2021**, 6, 121	4.8	46

105	Global patterns of aegyptism without arbovirus. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009397	4.8	2
104	Genomic epidemiology of SARS-CoV-2 transmission lineages in Ecuador. *Virus Evolution*, **2021**, 7, veab051	3.7	4
103	Spatiotemporal invasion dynamics of SARS-CoV-2 lineage B.1.1.7 emergence. *Science*, **2021**, 373, 889-895	33.3	41
102	Arboviral diseases and poverty in Alabama, 2007-2017. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009585	4.8	1
101	Evaluating the Effects of SARS-CoV-2 Spike Mutation D614G on Transmissibility and Pathogenicity. *Cell*, **2021**, 184, 64-75.e11	56.2	518
100	Three-quarters attack rate of SARS-CoV-2 in the Brazilian Amazon during a largely unmitigated epidemic. *Science*, **2021**, 371, 288-292	33.3	265
99	Asynchronicity of endemic and emerging mosquito-borne disease outbreaks in the Dominican Republic. *Nature Communications*, **2021**, 12, 151	17.4	9
98	Establishment and lineage dynamics of the SARS-CoV-2 epidemic in the UK. *Science*, **2021**, 371, 708-712	33.3	159
97	Endogenous social distancing and its underappreciated impact on the epidemic curve. *Scientific Reports*, **2021**, 11, 3093	4.9	6
96	A review of models applied to the geographic spread of Zika virus. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2021**, 115, 956-964	2	0
95	Resurgence of COVID-19 in Manaus, Brazil, despite high seroprevalence. *Lancet, The*, **2021**, 397, 452-455	40	481
94	Hospital admission and emergency care attendance risk for SARS-CoV-2 delta (B.1.617.2) compared with alpha (B.1.1.7) variants of concern: a cohort study. *Lancet Infectious Diseases, The*, **2021**,	25.5	188
93	Global disparities in SARS-CoV-2 genomic surveillance **2021**,		26
92	Tracking the international spread of SARS-CoV-2 lineages B.1.1.7 and B.1.351/501Y-V2 with grinch. *Wellcome Open Research*, **2021**, 6, 121	4.8	50
91	Trade-offs between individual and ensemble forecasts of an emerging infectious disease. *Nature Communications*, **2021**, 12, 5379	17.4	3
90	Assessing the impact of COVID-19 border restrictions on dengue transmission in Yunnan Province, China: an observational epidemiological and phylogenetic analysis. *The Lancet Regional Health - Western Pacific*, **2021**, 14, 100259	5	2
89	Context-specific emergence and growth of the SARS-CoV-2 Delta variant. **2021**,		2
88	Genomic Epidemiology of SARS-CoV-2 in Guangdong Province, China. *Cell*, **2020**, 181, 997-1003.e9	56.2	175

87	Mapping global variation in human mobility. *Nature Human Behaviour*, **2020**, 4, 800-810	12.8	36
86	Geographic access to United States SARS-CoV-2 testing sites highlights healthcare disparities and may bias transmission estimates. *Journal of Travel Medicine*, **2020**, 27,	12.9	76
85	Modelling COVID-19. *Nature Reviews Physics*, **2020**, 1-3	23.6	91
84	Quantifying the localized relationship between vector containment activities and dengue incidence in a real-world setting: A spatial and time series modelling analysis based on geo-located data from Pakistan. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008273	4.8	
83	Use of Twitter social media activity as a proxy for human mobility to predict the spatiotemporal spread of COVID-19 at global scale. *Geospatial Health*, **2020**, 15,	2.2	25
82	Routes for COVID-19 importation in Brazil. *Journal of Travel Medicine*, **2020**, 27,	12.9	79
81	Epidemiological data from the COVID-19 outbreak, real-time case information. *Scientific Data*, **2020**, 7, 106	8.2	194
80	The effect of human mobility and control measures on the COVID-19 epidemic in China. *Science*, **2020**, 368, 493-497	33.3	1373
79	Aggregated mobility data could help fight COVID-19. *Science*, **2020**, 368, 145-146	33.3	183
78	An investigation of transmission control measures during the first 50 days of the COVID-19 epidemic in China. *Science*, **2020**, 368, 638-642	33.3	1025
77	Sharing patient-level real-time COVID-19 data. *The Lancet Digital Health*, **2020**, 2, e345	14.4	3
76	Preparedness and vulnerability of African countries against importations of COVID-19: a modelling study. *Lancet, The*, **2020**, 395, 871-877	40	640
75	Open access epidemiological data from the COVID-19 outbreak. *Lancet Infectious Diseases, The*, **2020**, 20, 534	25.5	157
74	Genomic and Epidemiological Surveillance of Zika Virus in the Amazon Region. *Cell Reports*, **2020**, 30, 2275-2283.e7	10.6	24
73	Pneumonia of unknown aetiology in Wuhan, China: potential for international spread via commercial air travel. *Journal of Travel Medicine*, **2020**, 27,	12.9	408
72	Potential for global spread of a novel coronavirus from China. *Journal of Travel Medicine*, **2020**, 27,	12.9	200
71	The impact of anthropogenic and environmental factors on human rabies cases in China. *Transboundary and Emerging Diseases*, **2020**, 67, 2544-2553	4.2	1
70	Dynamics of conflict during the Ebola outbreak in the Democratic Republic of the Congo 2018-2019. *BMC Medicine*, **2020**, 18, 113	11.4	6

69	The effect of human mobility and control measures on the COVID-19 epidemic in China **2020**,		26
68	Mask Wearing and Control of SARS-CoV-2 Transmission in the United States **2020**,		9
67	Crowding and the shape of COVID-19 epidemics. *Nature Medicine*, **2020**, 26, 1829-1834	50.5	97
66	Geolocated Twitter social media data to describe the geographic spread of SARS-CoV-2. *Journal of Travel Medicine*, **2020**, 27,	12.9	10
65	Epidemiological and clinical characteristics of the COVID-19 epidemic in Brazil. *Nature Human Behaviour*, **2020**, 4, 856-865	12.8	151
64	Travel Surveillance and Genomics Uncover a Hidden Zika Outbreak during the Waning Epidemic. *Cell*, **2019**, 178, 1057-1071.e11	56.2	45
63	Real-time Epidemic Forecasting: Challenges and Opportunities. *Health Security*, **2019**, 17, 268-275	2.1	40
62	A dynamic neural network model for predicting risk of Zika in real time. *BMC Medicine*, **2019**, 17, 171	11.4	43
61	Factors Affecting Pre-Travel Health Seeking Behaviour and Adherence to Pre-Travel Health Advice: A Systematic Review. *Journal of Travel Medicine*, **2019**, 26,	12.9	25
60	Emergence of the Asian lineage of Zika virus in Angola: an outbreak investigation. *Lancet Infectious Diseases, The*, **2019**, 19, 1138-1147	25.5	40
59	Identifying residual hotspots and mapping lower respiratory infection morbidity and mortality in African children from 2000 to 2017. *Nature Microbiology*, **2019**, 4, 2310-2318	26.6	15
58	The current and future global distribution and population at risk of dengue. *Nature Microbiology*, **2019**, 4, 1508-1515	26.6	275
57	Spatio-temporal dynamics of dengue in Brazil: Seasonal travelling waves and determinants of regional synchrony. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007012	4.8	19
56	Genomic, epidemiological and digital surveillance of Chikungunya virus in the Brazilian Amazon. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007065	4.8	37
55	Past and future spread of the arbovirus vectors Aedes aegypti and Aedes albopictus. *Nature Microbiology*, **2019**, 4, 854-863	26.6	319
54	Utilizing general human movement models to predict the spread of emerging infectious diseases in resource poor settings. *Scientific Reports*, **2019**, 9, 5151	4.9	55
53	Causal Inference in Spatial Mapping. *Trends in Parasitology*, **2019**, 35, 743-746	6.4	2
52	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. *Nature*, **2019**, 574, 353-358	38.4	87

51	Potential for Seasonal Lassa Fever Case Exportation from Nigeria. *American Journal of Tropical Medicine and Hygiene*, **2019**, 100, 647-651	3.2	5
50	Travel time to health facilities in areas of outbreak potential: maps for guiding local preparedness and response. *BMC Medicine*, **2019**, 17, 232	11.4	22
49	Potential plague exportation from Madagascar via international air travel. *Lancet Infectious Diseases, The*, **2018**, 18, 247-248	25.5	6
48	Spatiotemporal incidence of Zika and associated environmental drivers for the 2015-2016 epidemic in Colombia. *Scientific Data*, **2018**, 5, 180073	8.2	14
47	Existing and potential infection risk zones of yellow fever worldwide: a modelling analysis. *The Lancet Global Health*, **2018**, 6, e270-e278	13.6	74
46	Estimating the probability of dengue virus introduction and secondary autochthonous cases in Europe. *Scientific Reports*, **2018**, 8, 4629	4.9	29
45	Genomic and epidemiological monitoring of yellow fever virus transmission potential. *Science*, **2018** , 361, 894-899	33.3	184
44	Inferring the risk factors behind the geographical spread and transmission of Zika in the Americas. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006194	4.8	45
43	Reconstruction and prediction of viral disease epidemics. *Epidemiology and Infection*, **2018**, 147, e34	4.3	22
42	Potential Zika virus spread within and beyond India. *Journal of Travel Medicine*, **2018**, 25,	12.9	15
41	Global risk mapping for major diseases transmitted by Aedes aegypti and Aedes albopictus. *International Journal of Infectious Diseases*, **2018**, 67, 25-35	10.5	173
40	Inferences about spatiotemporal variation in dengue virus transmission are sensitive to assumptions about human mobility: a case study using geolocated tweets from Lahore, Pakistan. *EPJ Data Science*, **2018**, 7, 16	3.4	25
39	Seasonal and interannual risks of dengue introduction from South-East Asia into China, 2005-2015. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006743	4.8	22
38	Projecting the end of the Zika virus epidemic in Latin America: a modelling analysis. *BMC Medicine*, **2018**, 16, 180	11.4	35
37	Variation in Childhood Diarrheal Morbidity and Mortality in Africa, 2000-2015. *New England Journal of Medicine*, **2018**, 379, 1128-1138	59.2	68
36	Genomic Epidemiology Reconstructs the Introduction and Spread of Zika Virus in Central America and Mexico. *Cell Host and Microbe*, **2018**, 23, 855-864.e7	23.4	60
35	Genomic epidemiology reveals multiple introductions of Zika virus into the United States. *Nature*, **2017**, 546, 401-405	50.4	235
34	Establishment and cryptic transmission of Zika virus in Brazil and the Americas. *Nature*, **2017**, 546, 406-410	50.4	366

33	Spread of yellow fever virus outbreak in Angola and the Democratic Republic of the Congo 2015-16: a modelling study. *Lancet Infectious Diseases, The*, **2017**, 17, 330-338	25.5	140
32	Local, national, and regional viral haemorrhagic fever pandemic potential in Africa: a multistage analysis. *Lancet, The*, **2017**, 390, 2662-2672	40	51
31	Global yellow fever vaccination coverage from 1970 to 2016: an adjusted retrospective analysis. *Lancet Infectious Diseases, The*, **2017**, 17, 1209-1217	25.5	91
30	Genomic and epidemiological characterisation of a dengue virus outbreak among blood donors in Brazil. *Scientific Reports*, **2017**, 7, 15216	4.9	33
29	Zika virus transmission in Angola and the potential for further spread to other African settings. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2017**, 111, 527-529	2	19
28	Temperature modulates dengue virus epidemic growth rates through its effects on reproduction numbers and generation intervals. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005797	4.8	44
27	Elevation as a proxy for mosquito-borne Zika virus transmission in the Americas. *PLoS ONE*, **2017**, 12, e0178211	3.7	21
26	Epidemiological and ecological determinants of Zika virus transmission in an urban setting. *ELife*, **2017**, 6,	8.9	55
25	Potential for Zika virus introduction and transmission in resource-limited countries in Africa and the Asia-Pacific region: a modelling study. *Lancet Infectious Diseases, The*, **2016**, 16, 1237-1245	25.5	132
24	Model-based projections of Zika virus infections in childbearing women in the Americas. *Nature Microbiology*, **2016**, 1, 16126	26.6	103
23	Assessing Seasonal Risks for the Introduction and Mosquito-borne Spread of Zika Virus in Europe. *EBioMedicine*, **2016**, 9, 250-256	8.8	73
22	Anticipating the international spread of Zika virus from Brazil. *Lancet, The*, **2016**, 387, 335-336	40	327
21	Zika virus in the Americas: Early epidemiological and genetic findings. *Science*, **2016**, 352, 345-349	33.3	703
20	Progress and Challenges in Infectious Disease Cartography. *Trends in Parasitology*, **2016**, 32, 19-29	6.4	61
19	Pokémon Go and Exposure to Mosquito-Borne Diseases: How Not to Catch 'Em All. *PLOS Currents*, **2016**, 8,		5
18	Updates to the zoonotic niche map of Ebola virus disease in Africa. *ELife*, **2016**, 5,	8.9	46
17	Mapping global environmental suitability for Zika virus. *ELife*, **2016**, 5,	8.9	231
16	Emergence and potential for spread of Chikungunya virus in Brazil. *BMC Medicine*, **2015**, 13, 102	11.4	266

15	The many projected futures of dengue. *Nature Reviews Microbiology*, **2015**, 13, 230-9	22.2	102
14	The global compendium of Aedes aegypti and Ae. albopictus occurrence. *Scientific Data*, **2015**, 2, 150035	8.2	195
13	The global distribution of the arbovirus vectors Aedes aegypti and Ae. albopictus. *ELife*, **2015**, 4, e08347	8.9	995
12	Mapping the zoonotic niche of Marburg virus disease in Africa. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2015**, 109, 366-78	2	64
11	Big city, small world: density, contact rates, and transmission of dengue across Pakistan. *Journal of the Royal Society Interface*, **2015**, 12, 20150468	4.1	47
10	Global temperature constraints on Aedes aegypti and Ae. albopictus persistence and competence for dengue virus transmission. *Parasites and Vectors*, **2014**, 7, 338	4	212
9	A comprehensive database of the geographic spread of past human Ebola outbreaks. *Scientific Data* , **2014**, 1, 140042	8.2	32
8	Mapping the zoonotic niche of Ebola virus disease in Africa. *ELife*, **2014**, 3, e04395	8.9	234
7	Rapid epidemic expansion of the SARS-CoV-2 Omicron variant in southern Africa. *Nature*,	50.4	20
6	Genomic epidemiology of SARS-CoV-2 in Guangdong Province, China		6
5	Epidemiological and clinical characteristics of the early phase of the COVID-19 epidemic in Brazil		6
4	Establishment & lineage dynamics of the SARS-CoV-2 epidemic in the UK		9
3	Transmission of SARS-CoV-2 before and after symptom onset: impact of nonpharmaceutical interventions in China		2
2	Emergence of the Zika virus Asian lineage in Angola		1
1	Trade-offs between individual and ensemble forecasts of an emerging infectious disease		1