Nick Ruktanonchai

List of Publications by Year in Descending Order

33 papers	1,410 citations	20 h-index	37 g-index
37 ext. papers	1,983 ext. citations	9.9 avg, IF	4.97 L-index

#	Paper	IF	Citations
33	Global holiday datasets for understanding seasonal human mobility and population dynamics.. *Scientific Data*, **2022**, 9, 17	8.2	3
32	Impacts of worldwide individual non-pharmaceutical interventions on COVID-19 transmission across waves and space.. *International Journal of Applied Earth Observation and Geoinformation*, **2022**, 106, 102649	7.3	5
31	Assessing the Effect of Global Travel and Contact Restrictions on Mitigating the COVID-19 Pandemic. *Engineering*, **2021**, 7, 914-923	9.7	7
30	Untangling introductions and persistence in COVID-19 resurgence in Europe. *Nature*, **2021**, 595, 713-717	50.4	37
29	Practical geospatial and sociodemographic predictors of human mobility. *Scientific Reports*, **2021**, 11, 15389	4.9	1
28	Integrated vaccination and physical distancing interventions to prevent future COVID-19 waves in Chinese cities. *Nature Human Behaviour*, **2021**, 5, 695-705	12.8	52
27	Risk of SARS-CoV-2 Transmission among Air Passengers in China. *Clinical Infectious Diseases*, **2021**,	11.6	3
26	Uncovering two phases of early intercontinental COVID-19 transmission dynamics. *Journal of Travel Medicine*, **2020**, 27,	12.9	14
25	Assessing spread risk of Wuhan novel coronavirus within and beyond China, January-April 2020: a travel network-based modelling study **2020**,		77
24	Effect of non-pharmaceutical interventions to contain COVID-19 in China. *Nature*, **2020**, 585, 410-413	50.4	523
23	Assessing the impact of coordinated COVID-19 exit strategies across Europe. *Science*, **2020**, 369, 1465-1470	33.9	117
22	Exploring fine-scale human and livestock movement in western Kenya. *One Health*, **2019**, 7, 100081	7.6	3
21	Measuring mobility, disease connectivity and individual risk: a review of using mobile phone data and mHealth for travel medicine. *Journal of Travel Medicine*, **2019**, 26,	12.9	43
20	Changing epidemiology and challenges of malaria in China towards elimination. *Malaria Journal*, **2019**, 18, 107	3.6	34
19	Using parasite genetic and human mobility data to infer local and cross-border malaria connectivity in Southern Africa. *ELife*, **2019**, 8,	8.9	38
18	Exploring the use of mobile phone data for national migration statistics. *Palgrave Communications*, **2019**, 5,	5.3	26
17	Estimating uncertainty in geospatial modelling at multiple spatial resolutions: the pattern of delivery via caesarean section in Tanzania. *BMJ Global Health*, **2019**, 4, e002092	6.6	2

List of Publications

16	Using Google Location History data to quantify fine-scale human mobility. *International Journal of Health Geographics*, **2018**, 17, 28	3·5	55
15	GridSample: an R package to generate household survey primary sampling units (PSUs) from gridded population data. *International Journal of Health Geographics*, **2017**, 16, 25	3·5	26
14	Parasite sources and sinks in a patched Ross-Macdonald malaria model with human and mosquito movement: Implications for control. *Mathematical Biosciences*, **2016**, 279, 90-101	3·9	21
13	Dynamic denominators: the impact of seasonally varying population numbers on disease incidence estimates. *Population Health Metrics*, **2016**, 14, 35	3	25
12	Census-derived migration data as a tool for informing malaria elimination policy. *Malaria Journal*, **2016**, 15, 273	3.6	21
11	Identifying Malaria Transmission Foci for Elimination Using Human Mobility Data. *PLoS Computational Biology*, **2016**, 12, e1004846	5	86
10	Equality in Maternal and Newborn Health: Modelling Geographic Disparities in Utilisation of Care in Five East African Countries. *PLoS ONE*, **2016**, 11, e0162006	3.7	35
9	Advances in mapping malaria for elimination: fine resolution modelling of Plasmodium falciparum incidence. *Scientific Reports*, **2016**, 6, 29628	4.9	27
8	Mapping internal connectivity through human migration in malaria endemic countries. *Scientific Data*, **2016**, 3, 160066	8.2	40
7	Spatio-temporal analysis of malaria vector density from baseline through intervention in a high transmission setting. *Parasites and Vectors*, **2016**, 9, 637	4	14
6	Experience- and age-mediated oviposition behaviour in the yellow fever mosquito Stegomyia aegypti (=Aedes aegypti). *Medical and Veterinary Entomology*, **2015**, 29, 255-62	2·4	5
5	Spatial heterogeneity, host movement and mosquito-borne disease transmission. *PLoS ONE*, **2015**, 10, e0127552	3.7	33
4	Optimal vaccination and bednet maintenance for the control of malaria in a region with naturally acquired immunity. *Journal of Theoretical Biology*, **2014**, 353, 142-56	2.3	21
3	Assessing the effect of global travel and contact reductions to mitigate the COVID-19 pandemic and resurgence		7
2	Transmission risk of SARS-CoV-2 on airplanes and high-speed trains		5
1	Effects of worldwide interventions and vaccination on COVID-19 between waves and countries		3