# Andrew J Tatem

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5875044/publications.pdf

Version: 2024-02-01

| 256 | 27,932 | 5267 | 7160 |
|---|---|---|---|
| papers | citations | 83 h-index | 153 g-index |

| 277 | 277 | 277 | 27248 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of non-pharmaceutical interventions to contain COVID-19 in China. Nature, 2020, 585, 410-413. | 27.8 | 913 |
| 2 | Global threats from invasive alien species in the twenty-first century and national response capacities. Nature Communications, 2016, 7, 12485. | 12.8 | 808 |
| 3 | Quantifying the Impact of Human Mobility on Malaria. Science, 2012, 338, 267-270. | 12.6 | 788 |
| 4 | The global distribution and population at risk of malaria: past, present, and future. Lancet Infectious Diseases, The, 2004, 4, 327-336. | 9.1 | 764 |
| 5 | Past and future spread of the arbovirus vectors Aedes aegypti and Aedes albopictus. Nature Microbiology, 2019, 4, 854-863. | 13.3 | 699 |
| 6 | A new world malaria map: Plasmodium falciparum endemicity in 2010. Malaria Journal, 2011, 10, 378. | 2.3 | 662 |
| 7 | Disaggregating Census Data for Population Mapping Using Random Forests with Remotely-Sensed and Ancillary Data. PLoS ONE, 2015, 10, e0107042. | 2.5 | 655 |
| 8 | Dynamic population mapping using mobile phone data. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15888-15893. | 7.1 | 633 |
| 9 | WorldPop, open data for spatial demography. Scientific Data, 2017, 4, 170004. | 5.3 | 521 |
| 10 | The early spread and epidemic ignition of HIV-1 in human populations. Science, 2014, 346, 56-61. | 12.6 | 515 |
| 11 | Infectious disease in an era of global change. Nature Reviews Microbiology, 2022, 20, 193-205. | 28.6 | 509 |
| 12 | A World Malaria Map: Plasmodium falciparum Endemicity in 2007. PLoS Medicine, 2009, 6, e1000048. | 8.4 | 460 |
| 13 | Urbanization, malaria transmission and disease burden in Africa. Nature Reviews Microbiology, 2005, 3, 81-90. | 28.6 | 455 |
| 14 | Global traffic and disease vector dispersal. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6242-6247. | 7.1 | 452 |
| 15 | A Long Neglected World Malaria Map: Plasmodium vivax Endemicity in 2010. PLoS Neglected Tropical Diseases, 2012, 6, e1814. | 3.0 | 448 |
| 16 | Population Distribution, Settlement Patterns and Accessibility across Africa in 2010. PLoS ONE, 2012, 7, e31743. | 2.5 | 448 |
| 17 | Global Transport Networks and Infectious Disease Spread. Advances in Parasitology, 2006, 62, 293-343. | 3.2 | 446 |
| 18 | The International Limits and Population at Risk of Plasmodium vivax Transmission in 2009. PLoS Neglected Tropical Diseases, 2010, 4, e774. | 3.0 | 405 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quantifying the Number of Pregnancies at Risk of Malaria in 2007: A Demographic Study. PLoS Medicine, 2010, 7, e1000221. | 8.4 | 397 |
| 20 | Virus genomes reveal factors that spread and sustained the Ebola epidemic. Nature, 2017, 544, 309-315. | 27.8 | 346 |
| 21 | The Limits and Intensity of Plasmodium falciparum Transmission: Implications for Malaria Control and Elimination Worldwide. PLoS Medicine, 2008, 5, e38. | 8.4 | 344 |
| 22 | Mapping the zoonotic niche of Ebola virus disease in Africa. ELife, 2014, 3, e04395. | 6.0 | 328 |
| 23 | A systematic review of mathematical models of mosquito-borne pathogen transmission: 1970â€“2010. Journal of the Royal Society Interface, 2013, 10, 20120921. | 3.4 | 306 |
| 24 | Climate change and the global malaria recession. Nature, 2010, 465, 342-345. | 27.8 | 304 |
| 25 | Mapping global environmental suitability for Zika virus. ELife, 2016, 5, . | 6.0 | 299 |
| 26 | Estimating the Global Clinical Burden of Plasmodium falciparum Malaria in 2007. PLoS Medicine, 2010, 7, e1000290. | 8.4 | 290 |
| 27 | High resolution global gridded data for use in population studies. Scientific Data, 2017, 4, 170001. | 5.3 | 225 |
| 28 | Super-resolution land cover pattern prediction using a Hopfield neural network. Remote Sensing of Environment, 2002, 79, 1-14. | 11.0 | 221 |
| 29 | Global Data for Ecology and Epidemiology: A Novel Algorithm for Temporal Fourier Processing MODIS Data. PLoS ONE, 2008, 3, e1408. | 2.5 | 218 |
| 30 | High Resolution Population Distribution Maps for Southeast Asia in 2010 and 2015. PLoS ONE, 2013, 8, e55882. | 2.5 | 211 |
| 31 | Global epidemiology of avian influenza A H5N1 virus infection in humans, 1997â€“2015: a systematic review of individual case data. Lancet Infectious Diseases, The, 2016, 16, e108-e118. | 9.1 | 201 |
| 32 | Assessment of the potential for international dissemination of Ebola virus via commercial air travel during the 2014 west African outbreak. Lancet, The, 2015, 385, 29-35. | 13.7 | 198 |
| 33 | Mapping poverty using mobile phone and satellite data. Journal of the Royal Society Interface, 2017, 14, 20160690. | 3.4 | 198 |
| 34 | Changing Epidemiology of Human Brucellosis, China, 1955â€“2014. Emerging Infectious Diseases, 2017, 23, 184-194. | 4.3 | 197 |
| 35 | Risk of Coronavirus Disease 2019 Transmission in Train Passengers: an Epidemiological and Modeling Study. Clinical Infectious Diseases, 2021, 72, 604-610. | 5.8 | 195 |
| 36 | Spatially disaggregated population estimates in the absence of national population and housing census data. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3529-3537. | 7.1 | 192 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The changing epidemiology of dengue in China, 1990-2014: a descriptive analysis of 25 years of nationwide surveillance data. BMC Medicine, 2015, 13, 100. | 5.5 | 189 |
| 38 | The spatial allocation of population: a review of large-scale gridded population data products and their fitness for use. Earth System Science Data, 2019, 11, 1385-1409. | 9.9 | 189 |
| 39 | Explaining Seasonal Fluctuations of Measles in Niger Using Nighttime Lights Imagery. Science, 2011, 334, 1424-1427. | 12.6 | 187 |
| 40 | Spread of yellow fever virus outbreak in Angola and the Democratic Republic of the Congo 2015â€“16: a modelling study. Lancet Infectious Diseases, The, 2017, 17, 330-338. | 9.1 | 185 |
| 41 | Clostridium difficile PCR ribotype 027: assessing the risks of further worldwide spread. Lancet Infectious Diseases, The, 2010, 10, 395-404. | 9.1 | 178 |
| 42 | Insecticide-treated net coverage in Africa: mapping progress in 2000â€“07. Lancet, The, 2009, 373, 58-67. | 13.7 | 172 |
| 43 | Reduced vaccination and the risk of measles and other childhood infections post-Ebola. Science, 2015, 347, 1240-1242. | 12.6 | 169 |
| 44 | Assessing the impact of coordinated COVID-19 exit strategies across Europe. Science, 2020, 369, 1465-1470. | 12.6 | 168 |
| 45 | High Resolution Population Maps for Low Income Nations: Combining Land Cover and Census in East Africa. PLoS ONE, 2007, 2, e1298. | 2.5 | 160 |
| 46 | Malaria Transmission, Infection, and Disease at Three Sites with Varied Transmission Intensity in Uganda: Implications for Malaria Control. American Journal of Tropical Medicine and Hygiene, 2015, 92, 903-912. | 1.4 | 157 |
| 47 | High-resolution gridded population datasets for Latin America and the Caribbean in 2010, 2015, and 2020. Scientific Data, 2015, 2, 150045. | 5.3 | 156 |
| 48 | Housing Improvements and Malaria Risk in Sub-Saharan Africa: A Multi-Country Analysis of Survey Data. PLoS Medicine, 2017, 14, e1002234. | 8.4 | 156 |
| 49 | The co-distribution of Plasmodium falciparum and hookworm among African schoolchildren. Malaria Journal, 2006, 5, 99. | 2.3 | 155 |
| 50 | Vectorial capacity and vector control: reconsidering sensitivity to parameters for malaria elimination. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2016, 110, 107-117. | 1.8 | 149 |
| 51 | The geography of imported malaria to non-endemic countries: a meta-analysis of nationally reported statistics. Lancet Infectious Diseases, The, 2017, 17, 98-107. | 9.1 | 149 |
| 52 | Global Environmental Data for Mapping Infectious Disease Distribution. Advances in Parasitology, 2006, 62, 37-77. | 3.2 | 145 |
| 53 | International population movements and regional Plasmodium falciparum malaria elimination strategies. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12222-12227. | 7.1 | 145 |
| 54 | Predicting the risk of avian influenza A H7N9 infection in live-poultry markets across Asia. Nature Communications, 2014, 5, 4116. | 12.8 | 145 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Unveiling hidden migration and mobility patterns in climate stressed regions: A longitudinal study of six million anonymous mobile phone users in Bangladesh. Global Environmental Change, 2016, 38, 1-7. | 7.8 | 142 |
| 56 | The accuracy of human population maps for public health application. Tropical Medicine and International Health, 2005, 10, 1073-1086. | 2.3 | 141 |
| 57 | Modelling spatial patterns of urban growth in Africa. Applied Geography, 2013, 44, 23-32. | 3.7 | 141 |
| 58 | The use of mobile phone data for the estimation of the travel patterns and imported Plasmodium falciparum rates among Zanzibar residents. Malaria Journal, 2009, 8, 287. | 2.3 | 137 |
| 59 | Global spatio-temporally harmonised datasets for producing high-resolution gridded population distribution datasets. Big Earth Data, 2019, 3, 108-139. | 4.4 | 136 |
| 60 | Travel risk, malaria importation and malaria transmission in Zanzibar. Scientific Reports, 2011, 1, 93. | 3.3 | 135 |
| 61 | A new urban landscape in Eastâ€“Southeast Asia, 2000â€“2010. Environmental Research Letters, 2015, 10, 034002. | 5.2 | 134 |
| 62 | Integrating rapid risk mapping and mobile phone call record data for strategic malaria elimination planning. Malaria Journal, 2014, 13, 52. | 2.3 | 133 |
| 63 | Untangling introductions and persistence in COVID-19 resurgence in Europe. Nature, 2021, 595, 713-717. | 27.8 | 133 |
| 64 | Global migration and the changing distribution of sickle haemoglobin: a quantitative study of temporal trends between 1960 and 2000. The Lancet Global Health, 2014, 2, e80-e89. | 6.3 | 127 |
| 65 | Model-based projections of Zika virus infections in childbearing women in the Americas. Nature Microbiology, 2016, 1, 16126. | 13.3 | 126 |
| 66 | Commentary: Containing the Ebola Outbreak - the Potential and Challenge of Mobile Network Data. PLOS Currents, 2014, 6, . | 1.4 | 126 |
| 67 | Phylodynamics and Human-Mediated Dispersal of a Zoonotic Virus. PLoS Pathogens, 2010, 6, e1001166. | 4.7 | 124 |
| 68 | Human movement data for malaria control and elimination strategic planning. Malaria Journal, 2012, 11, 205. | 2.3 | 124 |
| 69 | Quantifying seasonal population fluxes driving rubella transmission dynamics using mobile phone data. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11114-11119. | 7.1 | 124 |
| 70 | Ranking of elimination feasibility between malaria-endemic countries. Lancet, The, 2010, 376, 1579-1591. | 13.7 | 119 |
| 71 | Identifying Malaria Transmission Foci for Elimination Using Human Mobility Data. PLoS Computational Biology, 2016, 12, e1004846. | 3.2 | 118 |
| 72 | Using remotely sensed night-time light as a proxy for poverty in Africa. Population Health Metrics, 2008, 6, 5. | 2.7 | 117 |

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|---|---|---|---|
| 73 | Assembling a global database of malaria parasite prevalence for the Malaria Atlas Project. Malaria Journal, 2007, 6, 17. | 2.3 | 115 |
| 74 | Spatiotemporal patterns of population in mainland China, 1990 to 2010. Scientific Data, 2016, 3, 160005. | 5.3 | 115 |
| 75 | Population mobility reductions associated with travel restrictions during the Ebola epidemic in Sierra Leone: use of mobile phone data. International Journal of Epidemiology, 2018, 47, 1562-1570. | 1.9 | 111 |
| 76 | Integrated vaccination and physical distancing interventions to prevent future COVID-19 waves in Chinese cities. Nature Human Behaviour, 2021, 5, 695-705. | 12.0 | 111 |
| 77 | Rapid and near Real-time Assessments of Population Displacement Using Mobile Phone Data Following Disasters: The 2015 Nepal Earthquake. PLOS Currents, 2016, 8, . | 1.4 | 104 |
| 78 | Plasmodium vivax Transmission in Africa. PLoS Neglected Tropical Diseases, 2015, 9, e0004222. | 3.0 | 102 |
| 79 | Virus evolution and transmission in an ever more connected world. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142878. | 2.6 | 96 |
| 80 | Air travel and vector-borne disease movement. Parasitology, 2012, 139, 1816-1830. | 1.5 | 95 |
| 81 | Urbanization and the global malaria recession. Malaria Journal, 2013, 12, 133. | 2.3 | 94 |
| 82 | Prediction of bluetongue vector distribution in Europe and north Africa using satellite imagery. Veterinary Microbiology, 2003, 97, 13-29. | 1.9 | 93 |
| 83 | Identifying climate drivers of infectious disease dynamics: recent advances and challenges ahead. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170901. | 2.6 | 91 |
| 84 | Utilizing general human movement models to predict the spread of emerging infectious diseases in resource poor settings. Scientific Reports, 2019, 9, 5151. | 3.3 | 89 |
| 85 | The worldwide airline network and the dispersal of exotic species: 2007â€“2010. Ecography, 2009, 32, 94-102. | 4.5 | 88 |
| 86 | Mapping populations at risk: improving spatial demographic data for infectious disease modeling and metric derivation. Population Health Metrics, 2012, 10, 8. | 2.7 | 88 |
| 87 | Momentous sprint at the 2156 Olympics?. Nature, 2004, 431, 525-525. | 27.8 | 87 |
| 88 | Modelling malaria risk in East Africa at high-spatial resolution. Tropical Medicine and International Health, 2005, 10, 557-566. | 2.3 | 83 |
| 89 | Using parasite genetic and human mobility data to infer local and cross-border malaria connectivity in Southern Africa. ELife, 2019, 8, . | 6.0 | 83 |
| 90 | Geospatial mapping of access to timely essential surgery in sub-Saharan Africa. BMJ Global Health, 2018, 3, e000875. | 4.7 | 82 |

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|---|---|---|---|
| 91 | Climatic similarity and biological exchange in the worldwide airline transportation network. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1489-1496. | 2.6 | 80 |
| 92 | Large-scale spatial population databases in infectious disease research. International Journal of Health Geographics, 2012, 11, 7. | 2.5 | 80 |
| 93 | A sticky situation: the unexpected stability of malaria elimination. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120145. | 4.0 | 80 |
| 94 | Mapping population and pathogen movements. International Health, 2014, 6, 5-11. | 2.0 | 80 |
| 95 | Local, national, and regional viral haemorrhagic fever pandemic potential in Africa: a multistage analysis. Lancet, The, 2017, 390, 2662-2672. | 13.7 | 80 |
| 96 | Mapping vaccination coverage to explore the effects of delivery mechanisms and inform vaccination strategies. Nature Communications, 2019, 10, 1633. | 12.8 | 80 |
| 97 | Modelling the distributions of Culicoides bluetongue virus vectors in Sicily in relation to satellite-derived climate variables. Medical and Veterinary Entomology, 2004, 18, 90-101. | 1.5 | 79 |
| 98 | Assessing the use of global land cover data for guiding large area population distribution modelling. Geo Journal, 2011, 76, 525-538. | 3.1 | 79 |
| 99 | Improving Large Area Population Mapping Using Geotweet Densities. Transactions in GIS, 2017, 21, 317-331. | 2.3 | 79 |
| 100 | High resolution age-structured mapping of childhood vaccination coverage in low and middle income countries. Vaccine, 2018, 36, 1583-1591. | 3.8 | 78 |
| 101 | Variation in SARS-CoV-2 outbreaks across sub-Saharan Africa. Nature Medicine, 2021, 27, 447-453. | 30.7 | 77 |
| 102 | Using Google Location History data to quantify fine-scale human mobility. International Journal of Health Geographics, 2018, 17, 28. | 2.5 | 75 |
| 103 | Multinational patterns of seasonal asymmetry in human movement influence infectious disease dynamics. Nature Communications, 2017, 8, 2069. | 12.8 | 73 |
| 104 | Increasing the spatial resolution of agricultural land cover maps using a Hopfield neural network. International Journal of Geographical Information Science, 2003, 17, 647-672. | 4.8 | 72 |
| 105 | Census-independent population mapping in northern Nigeria. Remote Sensing of Environment, 2018, 204, 786-798. | 11.0 | 72 |
| 106 | Global Assessment of Seasonal Potential Distribution of Mediterranean Fruit Fly, Ceratitis capitata (Diptera: Tephritidae). PLoS ONE, 2014, 9, e111582. | 2.5 | 70 |
| 107 | The Use of Census Migration Data to Approximate Human Movement Patterns across Temporal Scales. PLoS ONE, 2013, 8, e52971. | 2.5 | 69 |
| 108 | Terra and Aqua: new data for epidemiology and public health. International Journal of Applied Earth Observation and Geoinformation, 2004, 6, 33-46. | 2.8 | 67 |

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|---|---|---|---|
| 109 | Rapid case-based mapping of seasonal malaria transmission risk for strategic elimination planning in Swaziland. Malaria Journal, 2013, 12, 61. | 2.3 | 66 |
| 110 | Mapping for maternal and newborn health: the distributions of women of childbearing age, pregnancies and births. International Journal of Health Geographics, 2014, 13, 2. | 2.5 | 66 |
| 111 | Evaluating Spatial Interaction Models for Regional Mobility in Sub-Saharan Africa. PLoS Computational Biology, 2015, 11, e1004267. | 3.2 | 66 |
| 112 | A high resolution spatial population database of Somalia for disease risk mapping. International Journal of Health Geographics, 2010, 9, 45. | 2.5 | 64 |
| 113 | Fine resolution mapping of population age-structures for health and development applications. Journal of the Royal Society Interface, 2015, 12, 20150073. | 3.4 | 64 |
| 114 | Assessing the spatial sensitivity of a random forest model: Application in gridded population modeling. Computers, Environment and Urban Systems, 2019, 75, 132-145. | 7.1 | 64 |
| 115 | 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, . | 3.0 | 64 |
| 116 | The effects of spatial population dataset choice on estimates of population at risk of disease. Population Health Metrics, 2011, 9, 4. | 2.7 | 63 |
| 117 | Changing epidemiology and challenges of malaria in China towards elimination. Malaria Journal, 2019, 18, 107. | 2.3 | 62 |
| 118 | Estimating Drivers of Autochthonous Transmission of Chikungunya Virus in its Invasion of the Americas. PLOS Currents, 2015, 7, . | 1.4 | 62 |
| 119 | Estimating the malaria risk of African mosquito movement by air travel. Malaria Journal, 2006, 5, 57. | 2.3 | 61 |
| 120 | Human population, urban settlement patterns and their impact on Plasmodium falciparum malaria endemicity. Malaria Journal, 2008, 7, 218. | 2.3 | 61 |
| 121 | The geography of measles vaccination in the African Great Lakes region. Nature Communications, 2017, 8, 15585. | 12.8 | 60 |
| 122 | Modeling monthly flows of global air travel passengers: An open-access data resource. Journal of Transport Geography, 2015, 48, 52-60. | 5.0 | 59 |
| 123 | Untangling the changing impact of non-pharmaceutical interventions and vaccination on European COVID-19 trajectories. Nature Communications, 2022, 13, . | 12.8 | 59 |
| 124 | Measuring Urbanization Pattern and Extent for Malaria Research: A Review of Remote Sensing Approaches. Journal of Urban Health, 2004, 81, 363-376. | 3.6 | 58 |
| 125 | Web-based GIS: the vector-borne disease airline importation risk (VBD-AIR) tool. International Journal of Health Geographics, 2012, 11, 33. | 2.5 | 57 |
| 126 | The demographics of human and malaria movement and migration patterns in East Africa. Malaria Journal, 2013, 12, 397. | 2.3 | 57 |

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|---|---|---|---|
| 127 | Exploring the use of mobile phone data for national migration statistics. Palgrave Communications, 2019, 5, . | 4.7 | 55 |
| 128 | The geography of maternal and newborn health: the state of the art. International Journal of Health Geographics, 2015, 14, 19. | 2.5 | 54 |
| 129 | Theory and data for simulating fine-scale human movement in an urban environment. Journal of the Royal Society Interface, 2014, 11, 20140642. | 3.4 | 53 |
| 130 | Mapping internal connectivity through human migration in malaria endemic countries. Scientific Data, 2016, 3, 160066. | 5.3 | 53 |
| 131 | Equality in Maternal and Newborn Health: Modelling Geographic Disparities in Utilisation of Care in Five East African Countries. PLoS ONE, 2016, 11, e0162006. | 2.5 | 53 |
| 132 | Examining the correlates and drivers of human population distributions across low- and middle-income countries. Journal of the Royal Society Interface, 2017, 14, 20170401. | 3.4 | 51 |
| 133 | Assessing the accuracy of satellite derived global and national urban maps in Kenya. Remote Sensing of Environment, 2005, 96, 87-97. | 11.0 | 50 |
| 134 | Exploring the high-resolution mapping of gender-disaggregated development indicators. Journal of the Royal Society Interface, 2017, 14, 20160825. | 3.4 | 50 |
| 135 | Defining approaches to settlement mapping for public health management in Kenya using medium spatial resolution satellite imagery. Remote Sensing of Environment, 2004, 93, 42-52. | 11.0 | 48 |
| 136 | Global malaria connectivity through air travel. Malaria Journal, 2013, 12, 269. | 2.3 | 48 |
| 137 | Gridded Population Maps Informed by Different Built Settlement Products. Data, 2018, 3, 33. | 2.3 | 48 |
| 138 | Strengthening surveillance systems for malaria elimination: a global landscaping of system performance, 2015â€“2017. Malaria Journal, 2019, 18, 315. | 2.3 | 47 |
| 139 | Digital surveillance for enhanced detection and response to outbreaks. Lancet Infectious Diseases, The, 2014, 14, 1035-1037. | 9.1 | 46 |
| 140 | Sub-national mapping of population pyramids and dependency ratios in Africa and Asia. Scientific Data, 2017, 4, 170089. | 5.3 | 46 |
| 141 | Spatial accessibility and the spread of HIV-1 subtypes and recombinants. Aids, 2012, 26, 2351-2360. | 2.2 | 45 |
| 142 | Measurement of Social Networks for Innovation within Community Disaster Resilience. Sustainability, 2019, 11, 1943. | 3.2 | 44 |
| 143 | National population mapping from sparse survey data: A hierarchical Bayesian modeling framework to account for uncertainty. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24173-24179. | 7.1 | 42 |
| 144 | Mapping Malaria Risk in Bangladesh Using Bayesian Geostatistical Models. American Journal of Tropical Medicine and Hygiene, 2010, 83, 861-867. | 1.4 | 41 |

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|---|---|---|---|
| 145 | Quantifying cross-border movements and migrations for guiding the strategic planning of malaria control and elimination. Malaria Journal, 2014, 13, 169. | 2.3 | 41 |
| 146 | Geospatial variation in measles vaccine coverage through routine and campaign strategies in Nigeria: Analysis of recent household surveys. Vaccine, 2020, 38, 3062-3071. | 3.8 | 40 |
| 147 | Millennium development health metrics: where do Africaâ€™s children and women of childbearing age live?. Population Health Metrics, 2013, 11, 11. | 2.7 | 39 |
| 148 | Mapping the denominator: spatial demography in the measurement of progress. International Health, 2014, 6, 153-155. | 2.0 | 39 |
| 149 | Global funding trends for malaria research in sub-Saharan Africa: a systematic analysis. The Lancet Global Health, 2017, 5, e772-e781. | 6.3 | 39 |
| 150 | National and sub-national variation in patterns of febrile case management in sub-Saharan Africa. Nature Communications, 2018, 9, 4994. | 12.8 | 38 |
| 151 | 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. | 2.8 | 38 |
| 152 | Population mapping of poor countries. Nature, 2011, 474, 36-36. | 27.8 | 37 |
| 153 | The effects of urbanization on global Plasmodium vivax malaria transmission. Malaria Journal, 2012, 11, 403. | 2.3 | 37 |
| 154 | GridSample: an R package to generate household survey primary sampling units (PSUs) from gridded population data. International Journal of Health Geographics, 2017, 16, 25. | 2.5 | 37 |
| 155 | Identifying residential neighbourhood types from settlement points in a machine learning approach. Computers, Environment and Urban Systems, 2018, 69, 104-113. | 7.1 | 37 |
| 156 | Remotely measuring populations during a crisis by overlaying two data sources. International Health, 2015, 7, 90-98. | 2.0 | 36 |
| 157 | Inter-annual variation in seasonal dengue epidemics driven by multiple interacting factors in Guangzhou, China. Nature Communications, 2019, 10, 1148. | 12.8 | 36 |
| 158 | People and Pixels 20Âyears later: the current data landscape and research trends blending population and environmental data. Population and Environment, 2019, 41, 209-234. | 3.0 | 35 |
| 159 | The influence of distance and quality on utilisation of birthing services at health facilities in Eastern Region, Ghana. BMJ Global Health, 2020, 4, e002020. | 4.7 | 35 |
| 160 | Adult vector control, mosquito ecology and malaria transmission. International Health, 2015, 7, 121-129. | 2.0 | 34 |
| 161 | Measuring populations to improve vaccination coverage. Scientific Reports, 2016, 6, 34541. | 3.3 | 34 |
| 162 | Mosquitoes on a plane: Disinsection will not stop the spread of vector-borne pathogens, a simulation study. PLoS Neglected Tropical Diseases, 2017, 11, e0005683. | 3.0 | 33 |

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|---|---|---|---|
| 163 | New Perspectives for Mapping Global Population Distribution Using World Settlement Footprint Products. Sustainability, 2019, 11, 6056. | 3.2 | 33 |
| 164 | Advances in mapping malaria for elimination: fine resolution modelling of Plasmodium falciparum incidence. Scientific Reports, 2016, 6, 29628. | 3.3 | 32 |
| 165 | Dynamic denominators: the impact of seasonally varying population numbers on disease incidence estimates. Population Health Metrics, 2016, 14, 35. | 2.7 | 32 |
| 166 | A spatial regression model for the disaggregation of areal unit based data to high-resolution grids with application to vaccination coverage mapping. Statistical Methods in Medical Research, 2019, 28, 3226-3241. | 1.5 | 32 |
| 167 | Gridded population survey sampling: a systematic scoping review of the field and strategic research agenda. International Journal of Health Geographics, 2020, 19, 34. | 2.5 | 32 |
| 168 | Measuring the availability and geographical accessibility of maternal health services across sub-Saharan Africa. BMC Medicine, 2020, 18, 237. | 5.5 | 32 |
| 169 | Mobility in China, 2020: a tale of four phases. National Science Review, 2021, 8, nwab148. | 9.5 | 31 |
| 170 | Seasonal and interannual risks of dengue introduction from South-East Asia into China, 2005-2015. PLoS Neglected Tropical Diseases, 2018, 12, e0006743. | 3.0 | 30 |
| 171 | Travel patterns and demographic characteristics of malaria cases in Swaziland, 2010â€“2014. Malaria Journal, 2017, 16, 359. | 2.3 | 29 |
| 172 | Spatiotemporal incidence of Zika and associated environmental drivers for the 2015-2016 epidemic in Colombia. Scientific Data, 2018, 5, 180073. | 5.3 | 29 |
| 173 | Plasmodium falciparum malaria importation from Africa to China and its mortality: an analysis of driving factors. Scientific Reports, 2016, 6, 39524. | 3.3 | 28 |
| 174 | Uncovering two phases of early intercontinental COVID-19 transmission dynamics. Journal of Travel Medicine, 2020, 27, . | 3.0 | 28 |
| 175 | Comparisons of two global built area land cover datasets in methods to disaggregate human population in eleven countries from the global South. International Journal of Digital Earth, 2020, 13, 78-100. | 3.9 | 27 |
| 176 | The duration of travel impacts the spatial dynamics of infectious diseases. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22572-22579. | 7.1 | 27 |
| 177 | Estimating access to health care in Yemen, a complex humanitarian emergency setting: a descriptive applied geospatial analysis. The Lancet Global Health, 2020, 8, e1435-e1443. | 6.3 | 27 |
| 178 | Vaccination strategies for measles control and elimination: time to strengthen local initiatives. BMC Medicine, 2021, 19, 2. | 5.5 | 27 |
| 179 | Exploring the spatiotemporal drivers of malaria elimination in Europe. Malaria Journal, 2016, 15, 122. | 2.3 | 26 |
| 180 | Using models to shape measles control and elimination strategies in low- and middle-income countries: A review of recent applications. Vaccine, 2020, 38, 979-992. | 3.8 | 26 |

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|---|---|---|---|
| 181 | Malaria in China, 2011â€“2015: an observational study. Bulletin of the World Health Organization, 2017, 95, 564-573. | 3.3 | 26 |
| 182 | Census-derived migration data as a tool for informing malaria elimination policy. Malaria Journal, 2016, 15, 273. | 2.3 | 25 |
| 183 | Classifying settlement types from multi-scale spatial patterns of building footprints. Environment and Planning B: Urban Analytics and City Science, 2021, 48, 1161-1179. | 2.0 | 25 |
| 184 | Poverty, health and satellite-derived vegetation indices: their inter-spatial relationship in West Africa. International Health, 2015, 7, 99-106. | 2.0 | 24 |
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