

Victor A Alegana

List of Publications by Citations

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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.

66
papers

2,340
citations

27
h-index

47
g-index

74
ext. papers

2,919
ext. citations

6
avg, IF

4.9
L-index

#	Paper	IF	Citations
66	The changing risk of Plasmodium falciparum malaria infection in Africa: 2000-10: a spatial and temporal analysis of transmission intensity. <i>Lancet, The</i> , 2014 , 383, 1739-47	4.0	189
65	Access to emergency hospital care provided by the public sector in sub-Saharan Africa in 2015: a geocoded inventory and spatial analysis. <i>The Lancet Global Health</i> , 2018 , 6, e342-e350	13.6	159
64	Mapping poverty using mobile phone and satellite data. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	120
63	The risks of malaria infection in Kenya in 2009. <i>BMC Infectious Diseases</i> , 2009 , 9, 180	4	112
62	Coverage of malaria protection in pregnant women in sub-Saharan Africa: a synthesis and analysis of national survey data. <i>Lancet Infectious Diseases, The</i> , 2011 , 11, 190-207	25.5	108
61	Serologic markers for detecting malaria in areas of low endemicity, Somalia, 2008. <i>Emerging Infectious Diseases</i> , 2010 , 16, 392-9	10.2	96
60	Spatial modelling of healthcare utilisation for treatment of fever in Namibia. <i>International Journal of Health Geographics</i> , 2012 , 11, 6	3.5	92
59	Using remotely sensed night-time light as a proxy for poverty in Africa. <i>Population Health Metrics</i> , 2008 , 6, 5	3	88
58	Identifying Malaria Transmission Foci for Elimination Using Human Mobility Data. <i>PLoS Computational Biology</i> , 2016 , 12, e1004846	5	86
57	Estimating the number of paediatric fevers associated with malaria infection presenting to Africa's public health sector in 2007. <i>PLoS Medicine</i> , 2010 , 7, e1000301	11.6	68
56	Malaria paediatric hospitalization between 1999 and 2008 across Kenya. <i>BMC Medicine</i> , 2009 , 7, 75	11.4	68
55	Changing malaria intervention coverage, transmission and hospitalization in Kenya. <i>Malaria Journal</i> , 2010 , 9, 285	3.6	63
54	A spatial database of health facilities managed by the public health sector in sub Saharan Africa. <i>Scientific Data</i> , 2019 , 6, 134	8.2	59
53	Increasing malaria hospital admissions in Uganda between 1999 and 2009. <i>BMC Medicine</i> , 2011 , 9, 37	11.4	53
52	A spatial national health facility database for public health sector planning in Kenya in 2008. <i>International Journal of Health Geographics</i> , 2009 , 8, 13	3.5	53
51	The impact of retail-sector delivery of artemether-lumefantrine on malaria treatment of children under five in Kenya: a cluster randomized controlled trial. <i>PLoS Medicine</i> , 2011 , 8, e1000437	11.6	53
50	A high resolution spatial population database of Somalia for disease risk mapping. <i>International Journal of Health Geographics</i> , 2010 , 9, 45	3.5	50

49	Geospatial mapping of access to timely essential surgery in sub-Saharan Africa. <i>BMJ Global Health</i> , 2018 , 3, e000875	6.6	49
48	Fine resolution mapping of population age-structures for health and development applications. <i>Journal of the Royal Society Interface</i> , 2015 , 12,	4.1	47
47	Estimation of malaria incidence in northern Namibia in 2009 using Bayesian conditional-autoregressive spatial-temporal models. <i>Spatial and Spatio-temporal Epidemiology</i> , 2013 , 7, 25-36	3.5	46
46	The demographics of human and malaria movement and migration patterns in East Africa. <i>Malaria Journal</i> , 2013 , 12, 397	3.6	45
45	High resolution age-structured mapping of childhood vaccination coverage in low and middle income countries. <i>Vaccine</i> , 2018 , 36, 1583-1591	4.1	41
44	Mapping vaccination coverage to explore the effects of delivery mechanisms and inform vaccination strategies. <i>Nature Communications</i> , 2019 , 10, 1633	17.4	40
43	Using parasite genetic and human mobility data to infer local and cross-border malaria connectivity in Southern Africa. <i>ELife</i> , 2019 , 8,	8.9	38
42	Rapid improvements to rural Ugandan housing and their association with malaria from intense to reduced transmission: a cohort study. <i>Lancet Planetary Health</i> , 2018 , 2, e83-e94	9.8	36
41	Equality in Maternal and Newborn Health: Modelling Geographic Disparities in Utilisation of Care in Five East African Countries. <i>PLoS ONE</i> , 2016 , 11, e0162006	3.7	35
40	The receptive versus current risks of Plasmodium falciparum transmission in northern Namibia: implications for elimination. <i>BMC Infectious Diseases</i> , 2013 , 13, 184	4	27
39	Global funding trends for malaria research in sub-Saharan Africa: a systematic analysis. <i>The Lancet Global Health</i> , 2017 , 5, e772-e781	13.6	27
38	Advances in mapping malaria for elimination: fine resolution modelling of Plasmodium falciparum incidence. <i>Scientific Reports</i> , 2016 , 6, 29628	4.9	27
37	Dynamic denominators: the impact of seasonally varying population numbers on disease incidence estimates. <i>Population Health Metrics</i> , 2016 , 14, 35	3	25
36	Travel patterns and demographic characteristics of malaria cases in Swaziland, 2010-2014. <i>Malaria Journal</i> , 2017 , 16, 359	3.6	24
35	Routine data for malaria morbidity estimation in Africa: challenges and prospects. <i>BMC Medicine</i> , 2020 , 18, 121	11.4	23
34	Inpatient child mortality by travel time to hospital in a rural area of Tanzania. <i>Tropical Medicine and International Health</i> , 2014 , 19, 555-62	2.3	22
33	National and sub-national variation in patterns of febrile case management in sub-Saharan Africa. <i>Nature Communications</i> , 2018 , 9, 4994	17.4	22
32	Modelling the incidence of Plasmodium vivax and Plasmodium falciparum malaria in Afghanistan 2006-2009. <i>PLoS ONE</i> , 2014 , 9, e102304	3.7	21

31	Mapping the receptivity of malaria risk to plan the future of control in Somalia. <i>BMJ Open</i> , 2012 , 2,	3	20
30	A spatial regression model for the disaggregation of areal unit based data to high-resolution grids with application to vaccination coverage mapping. <i>Statistical Methods in Medical Research</i> , 2019 , 28, 3226-3241 ¹⁷	2.3	17
29	Malaria control and the intensity of Plasmodium falciparum transmission in Namibia 1969-1992. <i>PLoS ONE</i> , 2013 , 8, e63350	3.7	16
28	Predicting the unmet need for biologically targeted coverage of insecticide-treated nets in Kenya. <i>American Journal of Tropical Medicine and Hygiene</i> , 2010 , 83, 854-60	3.2	15
27	Temporal trends in spatial inequalities of maternal and newborn health services among four east African countries, 1999-2015. <i>BMC Public Health</i> , 2018 , 18, 1339	4.1	15
26	The influence of distance and quality on utilisation of birthing services at health facilities in Eastern Region, Ghana. <i>BMJ Global Health</i> , 2019 , 4, e002020	6.6	14
25	Spatio-temporal analysis of malaria vector density from baseline through intervention in a high transmission setting. <i>Parasites and Vectors</i> , 2016 , 9, 637	4	14
24	Spatial distribution and determinants of asymptomatic malaria risk among children under 5 years in 24 districts in Burkina Faso. <i>Malaria Journal</i> , 2018 , 17, 460	3.6	14
23	Geographic information system-based evaluation of spatial accessibility to maternal health facilities in Siaya County, Kenya. <i>Geographical Research</i> , 2019 , 57, 286-298	1.6	11
22	Mapping access to domestic water supplies from incomplete data in developing countries: An illustrative assessment for Kenya. <i>PLoS ONE</i> , 2019 , 14, e0216923	3.7	10
21	Treatment-seeking behaviour in low- and middle-income countries estimated using a Bayesian model. <i>BMC Medical Research Methodology</i> , 2017 , 17, 67	4.7	10
20	Bayesian Spatiotemporal Modeling of Routinely Collected Data to Assess the Effect of Health Programs in Malaria Incidence During Pregnancy in Burkina Faso. <i>Scientific Reports</i> , 2020 , 10, 2618	4.9	9
19	Malaria prevalence metrics in low- and middle-income countries: an assessment of precision in nationally-representative surveys. <i>Malaria Journal</i> , 2017 , 16, 475	3.6	7
18	The effect of an anti-malarial subsidy programme on the quality of service provision of artemisinin-based combination therapy in Kenya: a cluster-randomized, controlled trial. <i>Malaria Journal</i> , 2013 , 12, 81	3.6	7
17	Severe-malaria infection and its outcomes among pregnant women in Burkina Faso health-districts: Hierarchical Bayesian space-time models applied to routinely-collected data from 2013 to 2018. <i>Spatial and Spatio-temporal Epidemiology</i> , 2020 , 33, 100333	3.5	5
16	Estimating hospital catchments from in-patient admission records: a spatial statistical approach applied to malaria. <i>Scientific Reports</i> , 2020 , 10, 1324	4.9	4
15	parasite prevalence in East Africa: Updating data for malaria stratification.. <i>PLOS Global Public Health</i> , 2021 , 1, e0000014		4
14	Geographical distribution of fertility rates in 70 low-income, lower-middle-income, and upper-middle-income countries, 2010-16: a subnational analysis of cross-sectional surveys. <i>The Lancet Global Health</i> , 2021 , 9, e802-e812	13.6	4

13	The Role of Earth Observation in Achieving Sustainable Agricultural Production in Arid and Semi-Arid Regions of the World. <i>Remote Sensing</i> , 2021 , 13, 3382	5	4
12	Methods of Measuring Spatial Accessibility to Health Care in Uganda. <i>Global Perspectives on Health Geography</i> , 2021 , 77-90	0.3	4
11	Fever prevalence and management among three rural communities in the North West Zone, Somalia. <i>Eastern Mediterranean Health Journal</i> , 2010 , 16, 595-601	1.7	3
10	Spatial inequalities in skilled attendance at birth in Ghana: a multilevel analysis integrating health facility databases with household survey data. <i>Tropical Medicine and International Health</i> , 2020 , 25, 1044-1054	2.3	2
9	Model building and assessment of the impact of covariates for disease prevalence mapping in low-resource settings: to explain and to predict. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210104	4.1	2
8	Mapping out-of-school adolescents and youths in low- and middle-income countries. <i>Humanities and Social Sciences Communications</i> , 2021 , 8,	2.8	2
7	Mapping access to basic hygiene services in low- and middle-income countries: A cross-sectional case study of geospatial disparities. <i>Applied Geography</i> , 2021 , 135, 102549	4.4	2
6	Malaria hospitalisation in East Africa: age, phenotype and transmission intensity.. <i>BMC Medicine</i> , 2022 , 20, 28	11.4	1
5	Mapping access to basic hygiene services in low- and middle-income countries: A cross-sectional case study of geospatial disparities		1
4	Generating Spatial Demographic Data for Health in Africa. <i>Global Perspectives on Health Geography</i> , 2021 , 9-27	0.3	1
3	Malaria micro-stratification using routine surveillance data in Western Kenya. <i>Malaria Journal</i> , 2021 , 20, 22	3.6	1
2	Understanding factors associated with attending secondary school in Tanzania using household survey data.. <i>PLoS ONE</i> , 2022 , 17, e0263734	3.7	0
1	Geography of Disease Burden: Case Studies in Namibia and Eritrea. <i>Global Perspectives on Health Geography</i> , 2021 , 29-44	0.3	