

# Andrea E Gaughan

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

3,859  
citations

279798

23  
h-index

254184

43  
g-index

48  
all docs

48  
docs citations

48  
times ranked

4855  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Very-High-Resolution Multispectral Classification to Estimate Savanna Fractional Vegetation Components. <i>Remote Sensing</i> , 2022, 14, 551.	4.0	2
2	Extreme Development of Dragon Fruit Agriculture with Nighttime Lighting in Southern Vietnam. , 2022, , 553-571.		1
3	Measuring the contribution of built-settlement data to global population mapping. <i>Social Sciences &amp; Humanities Open</i> , 2021, 3, 100102.	2.2	3
4	Modeling Community-Scale Natural Resource Use in a Transboundary Southern African Landscape: Integrating Remote Sensing and Participatory Mapping. <i>Remote Sensing</i> , 2021, 13, 631.	4.0	4
5	The Modulation of Daily Southern Africa Precipitation by El Niño–Southern Oscillation across the Summertime Wet Season. <i>Journal of Climate</i> , 2021, 34, 1115-1134.	3.2	6
6	Geospatial Management and Analysis of Microstructural Data from San Andreas Fault Observatory at Depth (SAFOD) Core Samples. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 332.	2.9	1
7	Implications for Tracking SDG Indicator Metrics with Gridded Population Data. <i>Sustainability</i> , 2021, 13, 7329.	3.2	15
8	Evaluating the Accuracy of Gridded Population Estimates in Slums: A Case Study in Nigeria and Kenya. <i>Urban Science</i> , 2021, 5, 48.	2.3	24
9	Wildlife impacts and changing climate pose compounding threats to human food security. <i>Current Biology</i> , 2021, 31, 5077-5085.e6.	3.9	11
10	Costs of elephant crop depredation exceed the benefits of trophy hunting in a community-based conservation area of Namibia. <i>Conservation Science and Practice</i> , 2021, 3, e345.	2.0	16
11	Comparisons of two global built area land cover datasets in methods to disaggregate human population in eleven countries from the global South. <i>International Journal of Digital Earth</i> , 2020, 13, 78-100.	3.9	27
12	Annually modelling built-settlements between remotely-sensed observations using relative changes in subnational populations and lights at night. <i>Computers, Environment and Urban Systems</i> , 2020, 80, 101444.	7.1	18
13	Mapping natural resource collection areas from household survey data in Southern Africa. <i>Applied Geography</i> , 2020, 125, 102326.	3.7	3
14	Wildlife impacts and vulnerable livelihoods in a transfrontier conservation landscape. <i>Conservation Biology</i> , 2020, 34, 891-902.	4.7	30
15	Predicting Near-Future Built-Settlement Expansion Using Relative Changes in Small Area Populations. <i>Remote Sensing</i> , 2020, 12, 1545.	4.0	3
16	A multi-plot assessment of vegetation structure using a micro-unmanned aerial system (UAS) in a semi-arid savanna environment. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 164, 84-96.	11.1	14
17	Global spatio-temporally harmonised datasets for producing high-resolution gridded population distribution datasets. <i>Big Earth Data</i> , 2019, 3, 108-139.	4.4	136
18	Operationalizing Vulnerability: Land System Dynamics in a Transfrontier Conservation Area. <i>Land</i> , 2019, 8, 111.	2.9	7

#	ARTICLE	IF	CITATIONS
19	Evaluating nighttime lights and population distribution as proxies for mapping anthropogenic CO <sub>2</sub> emission in Vietnam, Cambodia and Laos. Environmental Research Communications, 2019, 1, 091006.	2.3	25
20	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
21	How Remotely Sensed Built Areas And Their Realizations Inform And Constrain Gridded Population Models. , 2019, , .		1
22	Evaluation of Gridded CO <sub>2</sub> Emissions from Night-Time Lights Compared with Geospatially-Derived Population Distributions for Vietnam, Cambodia, and Laos. , 2019, , .		1
23	People and Pixels 20 years later: the current data landscape and research trends blending population and environmental data. Population and Environment, 2019, 41, 209-234.	3.0	35
24	Missing millions: undercounting urbanization in India. Population and Environment, 2019, 41, 126-150.	3.0	21
25	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
26	Gridded Population Maps Informed by Different Built Settlement Products. Data, 2018, 3, 33.	2.3	48
27	Improving Large Area Population Mapping Using Geotweet Densities. Transactions in GIS, 2017, 21, 317-331.	2.3	79
28	Sub-national mapping of population pyramids and dependency ratios in Africa and Asia. Scientific Data, 2017, 4, 170089.	5.3	46
29	Modelling changing population distributions: an example of the Kenyan Coast, 1979–2009. International Journal of Digital Earth, 2017, 10, 1017-1029.	3.9	17
30	The Hydrologic Effects of Synchronous El Niño–Southern Oscillation and Subtropical Indian Ocean Dipole Events over Southern Africa. Journal of Hydrometeorology, 2017, 18, 2407-2424.	1.9	9
31	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
32	Spatial analysis and characteristics of pig farming in Thailand. BMC Veterinary Research, 2016, 12, 218.	1.9	45
33	Spatiotemporal patterns of population in mainland China, 1990 to 2010. Scientific Data, 2016, 3, 160005.	5.3	115
34	Inter- and Intra-annual precipitation variability and associated relationships to ENSO and the IOD in southern Africa. International Journal of Climatology, 2016, 36, 1643-1656.	3.5	31
35	Dasymetric modeling: A hybrid approach using land cover and tax parcel data for mapping population in Alachua County, Florida. Applied Geography, 2016, 66, 100-108.	3.7	42
36	High-resolution gridded population datasets for Latin America and the Caribbean in 2010, 2015, and 2020. Scientific Data, 2015, 2, 150045.	5.3	156

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37	Spatio-Temporal Analysis of Vegetation Dynamics in Relation to Shifting Inundation and Fire Regimes: Disentangling Environmental Variability from Land Management Decisions in a Southern African Transboundary Watershed. <i>Land</i> , 2015, 4, 627-655.	2.9	21
38	Multitemporal settlement and population mapping from Landsat using Google Earth Engine. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 35, 199-208.	2.8	214
39	Disaggregating Census Data for Population Mapping Using Random Forests with Remotely-Sensed and Ancillary Data. <i>PLoS ONE</i> , 2015, 10, e0107042.	2.5	655
40	A fine-scale spatial population distribution on the High-resolution Gridded Population Surface and application in Alachua County, Florida. <i>Applied Geography</i> , 2014, 50, 99-107.	3.7	72
41	Dynamic population mapping using mobile phone data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15888-15893.	7.1	633
42	Quantifying the effects of using detailed spatial demographic data on health metrics: a systematic analysis for the AfriPop, AsiaPop, and AmeriPop projects. <i>Lancet, The</i> , 2013, 381, S142.	13.7	18
43	High Resolution Population Distribution Maps for Southeast Asia in 2010 and 2015. <i>PLoS ONE</i> , 2013, 8, e55882.	2.5	211
44	Greenness in semi-arid areas across the globe 1981â€“2007 â€” an Earth Observing Satellite based analysis of trends and drivers. <i>Remote Sensing of Environment</i> , 2012, 121, 144-158.	11.0	596
45	Tourism, forest conversion, and land transformations in the Angkor basin, Cambodia. <i>Applied Geography</i> , 2009, 29, 212-223.	3.7	83
46	Detecting tropical dry forest succession in a shifting cultivation mosaic of the YucatÃ¡n Peninsula, Mexico. <i>Applied Geography</i> , 2008, 28, 134-149.	3.7	54
47	Shedding Light on Agricultural Transitions, Dragon Fruit Cultivation, and Electrification in Southern Vietnam Using Mixed Methods. <i>Annals of the American Association of Geographers</i> , 0, , 1-20.	2.2	1