

# 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  | Disaggregating Census Data for Population Mapping Using Random Forests with Remotely-Sensed and Ancillary Data. PLoS ONE, 2015, 10, e0107042.                                       | 2.5  | 655       |
| 2  | 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       |
| 3  | Greenness in semi-arid areas across the globe 1981â€“2007 â€” an Earth Observing Satellite based analysis of trends and drivers. Remote Sensing of Environment, 2012, 121, 144-158. | 11.0 | 596       |
| 4  | Multitemporal settlement and population mapping from Landsat using Google Earth Engine. International Journal of Applied Earth Observation and Geoinformation, 2015, 35, 199-208.   | 2.8  | 214       |
| 5  | High Resolution Population Distribution Maps for Southeast Asia in 2010 and 2015. PLoS ONE, 2013, 8, e55882.  | 2.5  | 211       |
| 6  | 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       |
| 7  | High-resolution gridded population datasets for Latin America and the Caribbean in 2010, 2015, and 2020. Scientific Data, 2015, 2, 150045.  | 5.3  | 156       |
| 8  | Global spatio-temporally harmonised datasets for producing high-resolution gridded population distribution datasets. Big Earth Data, 2019, 3, 108-139.                              | 4.4  | 136       |
| 9  | Spatiotemporal patterns of population in mainland China, 1990 to 2010. Scientific Data, 2016, 3, 160005.  | 5.3  | 115       |
| 10 | Tourism, forest conversion, and land transformations in the Angkor basin, Cambodia. Applied Geography, 2009, 29, 212-223.   | 3.7  | 83        |
| 11 | Improving Large Area Population Mapping Using Geotweet Densities. Transactions in GIS, 2017, 21, 317-331.   | 2.3  | 79        |
| 12 | A fine-scale spatial population distribution on the High-resolution Gridded Population Surface and application in Alachua County, Florida. Applied Geography, 2014, 50, 99-107.     | 3.7  | 72        |
| 13 | 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        |
| 14 | Detecting tropical dry forest succession in a shifting cultivation mosaic of the YucatÃ¡n Peninsula, Mexico. Applied Geography, 2008, 28, 134-149.                                  | 3.7  | 54        |
| 15 | 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        |
| 16 | Gridded Population Maps Informed by Different Built Settlement Products. Data, 2018, 3, 33.   | 2.3  | 48        |
| 17 | Sub-national mapping of population pyramids and dependency ratios in Africa and Asia. Scientific Data, 2017, 4, 170089.   | 5.3  | 46        |
| 18 | Spatial analysis and characteristics of pig farming in Thailand. BMC Veterinary Research, 2016, 12, 218.  | 1.9  | 45        |

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|----|--|------|-----------|
| 19 | Dasymetric modeling: A hybrid approach using land cover and tax parcel data for mapping population in Alachua County, Florida. <i>Applied Geography</i> , 2016, 66, 100-108.   | 3.7  | 42        |
| 20 | People and Pixels 20 years later: the current data landscape and research trends blending population and environmental data. <i>Population and Environment</i> , 2019, 41, 209-234.  | 3.0  | 35        |
| 21 | Inter- and Intra-annual precipitation variability and associated relationships to ENSO and the IOD in southern Africa. <i>International Journal of Climatology</i> , 2016, 36, 1643-1656.  | 3.5  | 31        |
| 22 | Wildlife impacts and vulnerable livelihoods in a transfrontier conservation landscape. <i>Conservation Biology</i> , 2020, 34, 891-902.  | 4.7  | 30        |
| 23 | 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        |
| 24 | Evaluating nighttime lights and population distribution as proxies for mapping anthropogenic CO <sub>2</sub> emission in Vietnam, Cambodia and Laos. <i>Environmental Research Communications</i> , 2019, 1, 091006.                                       | 2.3  | 25        |
| 25 | 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        |
| 26 | 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        |
| 27 | Missing millions: undercounting urbanization in India. <i>Population and Environment</i> , 2019, 41, 126-150.  | 3.0  | 21        |
| 28 | 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        |
| 29 | 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        |
| 30 | Modelling changing population distributions: an example of the Kenyan Coast, 1979–2009. <i>International Journal of Digital Earth</i> , 2017, 10, 1017-1029.   | 3.9  | 17        |
| 31 | 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        |
| 32 | Implications for Tracking SDG Indicator Metrics with Gridded Population Data. <i>Sustainability</i> , 2021, 13, 7329.  | 3.2  | 15        |
| 33 | 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        |
| 34 | Wildlife impacts and changing climate pose compounding threats to human food security. <i>Current Biology</i> , 2021, 31, 5077-5085.e6.  | 3.9  | 11        |
| 35 | The Hydrologic Effects of Synchronous El Niño–Southern Oscillation and Subtropical Indian Ocean Dipole Events over Southern Africa. <i>Journal of Hydrometeorology</i> , 2017, 18, 2407-2424.  | 1.9  | 9         |
| 36 | Operationalizing Vulnerability: Land System Dynamics in a Transfrontier Conservation Area. <i>Land</i> , 2019, 8, 111.   | 2.9  | 7         |

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|----|--|-----|-----------|
| 37 | 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         |
| 38 | 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         |
| 39 | Mapping natural resource collection areas from household survey data in Southern Africa. <i>Applied Geography</i> , 2020, 125, 102326.   | 3.7 | 3         |
| 40 | Predicting Near-Future Built-Settlement Expansion Using Relative Changes in Small Area Populations. <i>Remote Sensing</i> , 2020, 12, 1545.  | 4.0 | 3         |
| 41 | Measuring the contribution of built-settlement data to global population mapping. <i>Social Sciences &amp; Humanities Open</i> , 2021, 3, 100102.  | 2.2 | 3         |
| 42 | Using Very-High-Resolution Multispectral Classification to Estimate Savanna Fractional Vegetation Components. <i>Remote Sensing</i> , 2022, 14, 551.   | 4.0 | 2         |
| 43 | How Remotely Sensed Built Areas And Their Realizations Inform And Constrain Gridded Population Models. , 2019, , .   |     | 1         |
| 44 | 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         |
| 45 | 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         |
| 46 | 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         |
| 47 | Extreme Development of Dragon Fruit Agriculture with Nighttime Lighting in Southern Vietnam. , 2022, , 553-571.  |     | 1         |