

Ryan N Engstrom

List of Publications by Year in descending order

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39
papers

1,116
citations

471509

17
h-index

501196

28
g-index

40
all docs

40
docs citations

40
times ranked

1634
citing authors

#	ARTICLE	IF	CITATIONS
1	Poverty from Space: Using High Resolution Satellite Imagery for Estimating Economic Well-being. World Bank Economic Review, 2022, 36, 382-412.	2.4	20
2	Open data for algorithms: mapping poverty in Belize using open satellite derived features and machine learning. Information Technology for Development, 2021, 27, 263-292.	4.8	15
3	Development of a Multi-City Deprived Area Mapping Ecosystem. , 2021, , .		0
4	Evaluating the Ability to Use Contextual Features Derived from Multi-Scale Satellite Imagery to Map Spatial Patterns of Urban Attributes and Population Distributions. Remote Sensing, 2021, 13, 3962.	4.0	4
5	Estimating small-area population density in Sri Lanka using surveys and Geo-spatial data. PLoS ONE, 2020, 15, e0237063.	2.5	11
6	The Role of Earth Observation in an Integrated Deprived Area Mapping "System" for Low-to-Middle Income Countries. Remote Sensing, 2020, 12, 982.	4.0	40
7	Mapping Poverty and Slums Using Multiple Methodologies in Accra, Ghana. , 2019, , .		15
8	Evaluating the Relationship Between Contextual Features Derived from Very High Spatial Resolution Imagery and Urban Attributes: A Case Study in Sri Lanka. , 2019, , .		0
9	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
10	Prairie or planted? Using time-series NDVI to determine grassland characteristics in Montana. Geo Journal, 2018, 83, 819-834.	3.1	8
11	Land Cover Change in the Lower Yenisei River Using Dense Stacking of Landsat Imagery in Google Earth Engine. Remote Sensing, 2018, 10, 1226.	4.0	44
12	Geographic Variation in the Use of Low-Acuity Pediatric Emergency Medical Services. Pediatric Emergency Care, 2017, 33, 73-79.	0.9	15
13	Evaluating the relationship between spatial and spectral features derived from high spatial resolution satellite data and urban poverty in Colombo, Sri Lanka. , 2017, , .		20
14	Circumpolar arctic tundra biomass and productivity dynamics in response to projected climate change and herbivory. Global Change Biology, 2017, 23, 3895-3907.	9.5	30
15	Poverty from Space: Using High-Resolution Satellite Imagery for Estimating Economic Well-Being. , 2017, , .		56
16	Evaluating the use of multiple imagery-derived spatial features to predict census demographic variables in Accra, Ghana. , 2016, , .		3
17	Contextural feature evaluation of multi-resolution imagery. , 2016, , .		0
18	An object-based temporal inversion approach to urban land use change analysis. Remote Sensing Letters, 2016, 7, 503-512.	1.4	15

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19	Determining the Relationship Between Census Data and Spatial Features Derived From High-Resolution Imagery in Accra, Ghana. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1970-1977.	4.9	35
20	Land cover and land use changes in the oil and gas regions of Northwestern Siberia under changing climatic conditions. Environmental Research Letters, 2015, 10, 124020.	5.2	25
21	Assessing the relationship between spatial features derived from high resolution satellite imagery and census variables in Accra, Ghana. , 2015, , .		1
22	Mapping slums using spatial features in Accra, Ghana. , 2015, , .		18
23	Generation of fine-scale population layers using multi-resolution satellite imagery and geospatial data. Remote Sensing of Environment, 2013, 130, 219-232.	11.0	100
24	Primary Care Spatial Density and Nonurgent Emergency Department Utilization: A New Methodology for Evaluating Access to Care. Academic Pediatrics, 2013, 13, 278-285.	2.0	49
25	Defining neighborhood boundaries for urban health research in developing countries: a case study of Accra, Ghana. Journal of Maps, 2013, 9, 36-42.	2.0	33
26	Defining Neighborhood Boundaries for Urban Health Research: A Case Study of Accra, Ghana. Geospatial Technology and the Role of Location in Science, 2013, , 27-38.	0.5	2
27	Connecting the Dots Between Health, Poverty and Place in Accra, Ghana. Annals of the American Association of Geographers, 2012, 102, 932-941.	3.0	46
28	Do the Most Vulnerable People Live in the Worst Slums? A Spatial Analysis of Accra, Ghana. Annals of GIS, 2012, 17, 221-235.	3.1	6
29	Using remotely sensed data to map variability in health and wealth indicators in Accra, Ghana. , 2011, , .		8
30	Do the most vulnerable people live in the worst slums? A spatial analysis of Accra, Ghana. Annals of GIS, 2011, 17, 221-235.	3.1	44
31	Parameter Sensitivity of the Arctic Biomeâ€œBGC Model for Estimating Evapotranspiration in the Arctic Coastal Plain. Arctic, Antarctic, and Alpine Research, 2011, 43, 380-388.	1.1	4
32	Nonlinear controls on evapotranspiration in arctic coastal wetlands. Biogeosciences, 2011, 8, 3375-3389.	3.3	93
33	Spatial refinement of census population distribution using remotely sensed estimates of impervious surfaces in Haiti. International Journal of Remote Sensing, 2010, 31, 5635-5655.	2.9	62
34	Spatial Accessibility to Providers and Vaccination Compliance Among Children With Medicaid. Pediatrics, 2009, 124, 1579-1586.	2.1	30
35	The Relationship Between Soil Moisture and NDVI Near Barrow, Alaska. Physical Geography, 2008, 29, 38-53.	1.4	33
36	ASSESSING THE CARBON BALANCE OF CIRCUMPOLAR ARCTIC TUNDRA USING REMOTE SENSING AND PROCESS MODELING. , 2007, 17, 213-234.		123

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37	Modeling evapotranspiration in Arctic coastal plain ecosystems using a modified BIOME-BGC model. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	33
38	Spatial variation in regional CO2 exchange for the Kuparuk River Basin, Alaska over the summer growing season. Global Change Biology, 2003, 9, 930-941.	9.5	28
39	PRIESTLEY-TAYLOR ALPHA COEFFICIENT: VARIABILITY AND RELATIONSHIP TO NDVI IN ARCTIC TUNDRA LANDSCAPES. Journal of the American Water Resources Association, 2002, 38, 1647-1659.	2.4	12