

Alessandro Sorichetta

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,890
citations

318942

23
h-index

299063

42
g-index

49
all docs

49
docs citations

49
times ranked

3078
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards an Improved Large-Scale Gridded Population Dataset: A Pan-European Study on the Integration of 3D Settlement Data into Population Modelling. <i>Remote Sensing</i> , 2022, 14, 325.	1.8	7
2	Global holiday datasets for understanding seasonal human mobility and population dynamics. <i>Scientific Data</i> , 2022, 9, 17.	2.4	11
3	Measuring the contribution of built-settlement data to global population mapping. <i>Social Sciences & Humanities Open</i> , 2021, 3, 100102.	1.3	3
4	High-Resolution Gridded Population Datasets: Exploring the Capabilities of the World Settlement Footprint 2019 Imperviousness Layer for the African Continent. <i>Remote Sensing</i> , 2021, 13, 1142.	1.8	15
5	Implications for Tracking SDG Indicator Metrics with Gridded Population Data. <i>Sustainability</i> , 2021, 13, 7329.	1.6	15
6	Geographical distribution of fertility rates in 70 low-income, lower-middle-income, and upper-middle-income countries, 2010â€“16: a subnational analysis of cross-sectional surveys. <i>The Lancet Global Health</i> , 2021, 9, e802-e812.	2.9	23
7	Author correction: ASPHAA: A GISâ€“based algorithm to calculate cell area on a latitudeâ€“longitude (geographic) regular grid. <i>Transactions in GIS</i> , 2021, 25, 1646-1647.	1.0	0
8	Practical geospatial and sociodemographic predictors of human mobility. <i>Scientific Reports</i> , 2021, 11, 15389.	1.6	5
9	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.	1.6	27
10	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.	3.3	18
11	Harmonised global datasets of wind and solar farm locations and power. <i>Scientific Data</i> , 2020, 7, 130.	2.4	69
12	Modeling human migration across spatial scales in Colombia. <i>PLoS ONE</i> , 2020, 15, e0232702.	1.1	3
13	Predicting Near-Future Built-Settlement Expansion Using Relative Changes in Small Area Populations. <i>Remote Sensing</i> , 2020, 12, 1545.	1.8	3
14	Transformative Urban Changes of Beijing in the Decade of the 2000s. <i>Remote Sensing</i> , 2020, 12, 652.	1.8	7
15	Global spatio-temporally harmonised datasets for producing high-resolution gridded population distribution datasets. <i>Big Earth Data</i> , 2019, 3, 108-139.	2.0	136
16	Evaluating nighttime lights and population distribution as proxies for mapping anthropogenic CO ₂ emission in Vietnam, Cambodia and Laos. <i>Environmental Research Communications</i> , 2019, 1, 091006.	0.9	25
17	New Perspectives for Mapping Global Population Distribution Using World Settlement Footprint Products. <i>Sustainability</i> , 2019, 11, 6056.	1.6	33
18	Assessing the spatial sensitivity of a random forest model: Application in gridded population modeling. <i>Computers, Environment and Urban Systems</i> , 2019, 75, 132-145.	3.3	64

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19	Short-term Impacts of the Megaurbanizations of New Delhi and Los Angeles Between 2000 and 2009. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 35-56.	1.2	14
20	Exploring the use of mobile phone data for national migration statistics. <i>Palgrave Communications</i> , 2019, 5, .	4.7	55
21	The spatial allocation of population: a review of large-scale gridded population data products and their fitness for use. <i>Earth System Science Data</i> , 2019, 11, 1385-1409.	3.7	189
22	Mapping road network communities for guiding disease surveillance and control strategies. <i>Scientific Reports</i> , 2018, 8, 4744.	1.6	24
23	Gridded Population Maps Informed by Different Built Settlement Products. <i>Data</i> , 2018, 3, 33.	1.2	48
24	Gridded birth and pregnancy datasets for Africa, Latin America and the Caribbean. <i>Scientific Data</i> , 2018, 5, 180090.	2.4	20
25	High resolution global gridded data for use in population studies. <i>Scientific Data</i> , 2017, 4, 170001.	2.4	225
26	A versatile method for groundwater vulnerability projections in future scenarios. <i>Journal of Environmental Management</i> , 2017, 187, 365-374.	3.8	26
27	Exploring the high-resolution mapping of gender-disaggregated development indicators. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160825.	1.5	50
28	Sub-national mapping of population pyramids and dependency ratios in Africa and Asia. <i>Scientific Data</i> , 2017, 4, 170089.	2.4	46
29	Modelling changing population distributions: an example of the Kenyan Coast, 1979–2009. <i>International Journal of Digital Earth</i> , 2017, 10, 1017-1029.	1.6	17
30	Examining the correlates and drivers of human population distributions across low- and middle-income countries. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170401.	1.5	51
31	Mapping internal connectivity through human migration in malaria endemic countries. <i>Scientific Data</i> , 2016, 3, 160066.	2.4	53
32	Spatiotemporal patterns of population in mainland China, 1990 to 2010. <i>Scientific Data</i> , 2016, 3, 160005.	2.4	115
33	Dynamic denominators: the impact of seasonally varying population numbers on disease incidence estimates. <i>Population Health Metrics</i> , 2016, 14, 35.	1.3	32
34	Impact of a Storm-Water Infiltration Basin on the Recharge Dynamics in a Highly Permeable Aquifer. <i>Water Resources Management</i> , 2016, 30, 149-165.	1.9	24
35	Census-derived migration data as a tool for informing malaria elimination policy. <i>Malaria Journal</i> , 2016, 15, 273.	0.8	25
36	High-resolution gridded population datasets for Latin America and the Caribbean in 2010, 2015, and 2020. <i>Scientific Data</i> , 2015, 2, 150045.	2.4	156

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37	Ring of impact from the mega-urbanization of Beijing between 2000 and 2009. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5740-5756.	1.2	45
38	Poverty, health and satellite-derived vegetation indices: their inter-spatial relationship in West Africa. <i>International Health</i> , 2015, 7, 99-106.	0.8	24
39	Fine resolution mapping of population age-structures for health and development applications. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150073.	1.5	64
40	Groundwater vulnerability maps derived from a time-dependent method using satellite scatterometer data. <i>Hydrogeology Journal</i> , 2015, 23, 631-647.	0.9	30
41	Urbanization Affects Air and Water in Italy's Po Plain. <i>Eos</i> , 2015, 96, .	0.1	7
42	ASPHAA: A GIS-Based Algorithm to Calculate Cell Area on a Latitude-Longitude (Geographic) Regular Grid. <i>Transactions in GIS</i> , 2010, 14, 351-377.	1.0	18
43	Modelling risk hurricane elements in potentially affected areas by a GIS system. <i>Geomatics, Natural Hazards and Risk</i> , 2010, 1, 349-373.	2.0	15
44	Observations of urban and suburban environments with global satellite scatterometer data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2009, 64, 367-380.	4.9	45