Alessandro Sorichetta

List of Publications by Year
in descending order

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44 papers	1,890 citations	279798 23 h-index	265206 42 g-index
49 all docs	49 docs citations	49 times ranked	2754 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. Remote Sensing, 2022, 14, 325.	4.0	7
2	Global holiday datasets for understanding seasonal human mobility and population dynamics. Scientific Data, 2022, 9, 17.	5.3	11
3	Measuring the contribution of built-settlement data to global population mapping. Social Sciences & Humanities Open, 2021, 3, 100102.	2.2	3
4	High-Resolution Gridded Population Datasets: Exploring the Capabilities of the World Settlement Footprint 2019 Imperviousness Layer for the African Continent. Remote Sensing, 2021, 13, 1142.	4.0	15
5	Implications for Tracking SDG Indicator Metrics with Gridded Population Data. Sustainability, 2021, 13, 7329.	3.2	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. The Lancet Global Health, 2021, 9, e802-e812.	6.3	23
7	Author correction: ASPHAA: A GISâ€based algorithm to calculate cell area on a latitudeâ€“longitude (geographic) regular grid. Transactions in GIS, 2021, 25, 1646-1647.	2.3	0
8	Practical geospatial and sociodemographic predictors of human mobility. Scientific Reports, 2021, 11, 15389.	3.3	5
9	Comparisons of two global built area land cover datasets in methods to disaggregate human population in eleven countries from the global South. International Journal of Digital Earth, 2020, 13, 78-100.	3.9	27
10	Annually modelling built-settlements between remotely-sensed observations using relative changes in subnational populations and lights at night. Computers, Environment and Urban Systems, 2020, 80, 101444.	7.1	18
11	Harmonised global datasets of wind and solar farm locations and power. Scientific Data, 2020, 7, 130.	5.3	69
12	Modeling human migration across spatial scales in Colombia. PLoS ONE, 2020, 15, e0232702.	2.5	3
13	Predicting Near-Future Built-Settlement Expansion Using Relative Changes in Small Area Populations. Remote Sensing, 2020, 12, 1545.	4.0	3
14	Transformative Urban Changes of Beijing in the Decade of the 2000s. Remote Sensing, 2020, 12, 652.	4.0	7
15	Global spatio-temporally harmonised datasets for producing high-resolution gridded population distribution datasets. Big Earth Data, 2019, 3, 108-139.	4.4	136
16	Evaluating nighttime lights and population distribution as proxies for mapping anthropogenic CO₂emission in Vietnam, Cambodia and Laos. Environmental Research Communications, 2019, 1, 091006.	2.3	25
17	New Perspectives for Mapping Global Population Distribution Using World Settlement Footprint Products. Sustainability, 2019, 11, 6056.	3.2	33
18	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

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19	Shortâ€Term Impacts of the Megaurbanizations of New Delhi and Los Angeles Between 2000 and 2009. Journal of Geophysical Research D: Atmospheres, 2019, 124, 35-56.	3.3	14
20	Exploring the use of mobile phone data for national migration statistics. Palgrave Communications, 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. Earth System Science Data, 2019, 11, 1385-1409.	9.9	189
22	Mapping road network communities for guiding disease surveillance and control strategies. Scientific Reports, 2018, 8, 4744.	3.3	24
23	Gridded Population Maps Informed by Different Built Settlement Products. Data, 2018, 3, 33.	2.3	48
24	Gridded birth and pregnancy datasets for Africa, Latin America and the Caribbean. Scientific Data, 2018, 5, 180090.	5.3	20
25	High resolution global gridded data for use in population studies. Scientific Data, 2017, 4, 170001.	5.3	225
26	A versatile method for groundwater vulnerability projections in future scenarios. Journal of Environmental Management, 2017, 187, 365-374.	7.8	26
27	Exploring the high-resolution mapping of gender-disaggregated development indicators. Journal of the Royal Society Interface, 2017, 14, 20160825.	3.4	50
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, 1979â€“2009. International Journal of Digital Earth, 2017, 10, 1017-1029.	3.9	17
30	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
31	Mapping internal connectivity through human migration in malaria endemic countries. Scientific Data, 2016, 3, 160066.	5.3	53
32	Spatiotemporal patterns of population in mainland China, 1990 to 2010. Scientific Data, 2016, 3, 160005.	5.3	115
33	Dynamic denominators: the impact of seasonally varying population numbers on disease incidence estimates. Population Health Metrics, 2016, 14, 35.	2.7	32
34	Impact of a Storm-Water Infiltration Basin on the Recharge Dynamics in a Highly Permeable Aquifer. Water Resources Management, 2016, 30, 149-165.	3.9	24
35	Census-derived migration data as a tool for informing malaria elimination policy. Malaria Journal, 2016, 15, 273.	2.3	25
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	Ring of impact from the megaâ€urbanization of Beijing between 2000 and 2009. Journal of Geophysical Research D: Atmospheres, 2015, 120, 5740-5756.	3.3	45
38	Poverty, health and satellite-derived vegetation indices: their inter-spatial relationship in West Africa. International Health, 2015, 7, 99-106.	2.0	24
39	Fine resolution mapping of population age-structures for health and development applications. Journal of the Royal Society Interface, 2015, 12, 20150073.	3.4	64
40	Groundwater vulnerability maps derived from a time-dependent method using satellite scatterometer data. Hydrogeology Journal, 2015, 23, 631-647.	2.1	30
41	Urbanization Affects Air and Water in Italy's Po Plain. Eos, 2015, 96, .	0.1	7
42	ASPHAA: A GIS-Based Algorithm to Calculate Cell Area on a Latitude-Longitude (Geographic) Regular Grid. Transactions in GIS, 2010, 14, 351-377.	2.3	18
43	Modelling risk hurricane elements in potentially affected areas by a GIS system. Geomatics, Natural Hazards and Risk, 2010, 1, 349-373.	4.3	15
44	Observations of urban and suburban environments with global satellite scatterometer data. ISPRS Journal of Photogrammetry and Remote Sensing, 2009, 64, 367-380.	11.1	45