Jamal Jokar Arsanjani

List of Publications by Year
in descending order

75 papers	2,804 citations	201575 27 h-index	189801 50 g-index
84 all docs	84 docs citations	84 times ranked	2641 citing authors

#	Article	IF	Citations
1	A risk-based approach for determining the future potential of commercial shipping in the Arctic. Journal of Marine Engineering and Technology, 2022, 21, 82-99.	1.9	17
2	Landslide Susceptibility Mapping Using Machine Learning: A Danish Case Study. ISPRS International Journal of Geo-Information, 2022, 11, 324.	1.4	7
3	A deep learning method for creating globally applicable population estimates from sentinel data. Transactions in GIS, 2022, 26, 3147-3175.	1.0	3
4	A Spatial Decision Support Approach for Flood Vulnerability Analysis in Urban Areas: A Case Study of Tehran. ISPRS International Journal of Geo-Information, 2022, 11, 380.	1.4	11
5	Perspectives on â€œEarth Observation and GIScience for Agricultural Applicationsâ€• ISPRS International Journal of Geo-Information, 2022, 11, 372.	1.4	0
6	An Assessment of Social Resilience against Natural Hazards through Multi-Criteria Decision Making in Geographical Setting: A Case Study of Sarpol-e Zahab, Iran. Sustainability, 2022, 14, 8304.	1.6	7
7	A novel method to quantify urban surface ecological poorness zone: A case study of several European cities. Science of the Total Environment, 2021, 757, 143755.	3.9	39
8	Data Quality in Citizen Science. , 2021, , 139-157.		56
9	A New Integrated Approach for Municipal Landfill Siting Based on Urban Physical Growth Prediction: A Case Study Mashhad Metropolis in Iran. Remote Sensing, 2021, 13, 949.	1.8	26
10	The Geography of the Covid-19 Pandemic: A Data-Driven Approach to Exploring Geographical Driving Forces. International Journal of Environmental Research and Public Health, 2021, 18, 2803.	1.2	15
11	A historical and future impact assessment of mining activities on surface biophysical characteristics change: A remote sensing-based approach. Ecological Indicators, 2021, 122, 107264.	2.6	45
12	Modeling the impact of the COVID-19 lockdowns on urban surface ecological status: A case study of Milan and Wuhan cities. Journal of Environmental Management, 2021, 286, 112236.	3.8	30
13	Geodata-driven approaches to financial inclusion â€“ Addressing the challenge of proximity. International Journal of Applied Earth Observation and Geoinformation, 2021, 99, 102325.	1.4	4
14	Impact Assessment Analysis of Sea Level Rise in Denmark: A Case Study of Falster Island, Guldborgsund. Sustainability, 2021, 13, 7503.	1.6	0
15	Exploratory Analysis of Driving Force of Wildfires in Australia: An Application of Machine Learning within Google Earth Engine. Remote Sensing, 2021, 13, 10.	1.8	38
16	Prediction of Groundwater Level Variations in a Changing Climate: A Danish Case Study. ISPRS International Journal of Geo-Information, 2021, 10, 792.	1.4	8
17	A multi-sensor approach for characterising human-made structures by estimating area, volume and population based on sentinel data and deep learning. International Journal of Applied Earth Observation and Geoinformation, 2021, 105, 102628.	1.4	4
18	Modelling surface heat island intensity according to differences of biophysical characteristics: A case study of Amol city, Iran. Ecological Indicators, 2020, 109, 105816.	2.6	33

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19	Machine Learning for Conservation Planning in a Changing Climate. Sustainability, 2020, 12, 7657.	1.6	11
20	Deep Learning for Detecting and Classifying Ocean Objects: Application of YoloV3 for Icebergâ€“Ship Discrimination. ISPRS International Journal of Geo-Information, 2020, 9, 758.	1.4	19
21	Employing Machine Learning for Detection of Invasive Species using Sentinel-2 and AVIRIS Data: The Case of Kudzu in the United States. Sustainability, 2020, 12, 3544.	1.6	26
22	Modeling outdoor thermal comfort using satellite imagery: A principle component analysis-based approach. Ecological Indicators, 2020, 117, 106555.	2.6	38
23	Stimulating Implementation of Sustainable Development Goals and Conservation Action: Predicting Future Land Use/Cover Change in Virunga National Park, Congo. Sustainability, 2020, 12, 1570.	1.6	19
24	Modelling the intensity of surface urban heat island and predicting the emerging patterns: Landsat multi-temporal images and Tehran as case study. International Journal of Remote Sensing, 2020, 41, 7400-7426.	1.3	27
25	Does Land Use and Landscape Contribute to Self-Harm? A Sustainability Cities Framework. Data, 2020, 5, 9.	1.2	10
26	Exploring the Potential Socio-economic and Physical Factors Causing Historical Wildfires in the Western USA. , 2020, , 95-120.		1
27	Characterizing and monitoring global landscapes using GlobeLand30 datasets: the first decade of the twenty-first century. International Journal of Digital Earth, 2019, 12, 642-660.	1.6	11
28	Placing Wikimapia: an exploratory analysis. International Journal of Geographical Information Science, 2019, 33, 1633-1650.	2.2	18
29	Post-Disaster Building Database Updating Using Automated Deep Learning: An Integration of Pre-Disaster OpenStreetMap and Multi-Temporal Satellite Data. Remote Sensing, 2019, 11, 2427.	1.8	48
30	A geographical direction-based approach for capturing the local variation of urban expansion in the application of CA-Markov model. Cities, 2019, 93, 120-135.	2.7	69
31	Modeling thermal comfort in different condition of mind using satellite images: An Ordered Weighted Averaging approach and a case study. Ecological Indicators, 2019, 104, 1-12.	2.6	45
32	Insights on the historical and emerging global land cover changes: The case of ESA-CCI-LC datasets. Applied Geography, 2019, 106, 82-92.	1.7	47
33	Spatial Analysis of Curb-Park Violations and Their Relationship with Points of Interest: A Case Study of Tehran, Iran. Sustainability, 2019, 11, 6336.	1.6	8
34	Characterizing, monitoring, and simulating land cover dynamics using GlobeLand30: A case study from 2000 to 2030. Journal of Environmental Management, 2018, 214, 66-75.	3.8	25
35	Spatial data for slum upgrading: Volunteered Geographic Information and the role of citizen science. Habitat International, 2018, 72, 18-26.	2.3	43
36	Development of a cellular automata model using open source technologies for monitoring urbanisation in the global south: The case of Maputo, Mozambique. Habitat International, 2018, 71, 38-48.	2.3	22

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37	Improving the Quality of Citizen Contributed Geodata through Their Historical Contributions: The Case of the Road Network in OpenStreetMap. ISPRS International Journal of Geo-Information, 2018, 7, 253.	1.4	21
38	Urban change in Goa, India. Habitat International, 2017, 68, 24-29.	2.3	25
39	Joint use of remote sensing data and volunteered geographic information for exposure estimation: evidence from ValparaÃso, Chile. Natural Hazards, 2017, 86, 81-105.	1.6	28
40	Special Issue Editorial: Earth Observation and Geoinformation Technologies for Sustainable Development. Sustainability, 2017, 9, 760.	1.6	3
41	Remote Sensing, Crowd Sensing, and Geospatial Technologies for Public Health: An Editorial. International Journal of Environmental Research and Public Health, 2017, 14, 405.	1.2	3
42	Journal Data: A New Platform for Data Research. Data, 2016, 1, 9-10.	1.2	0
43	Technical Guidelines to Extract and Analyze VGI from Different Platforms. Data, 2016, 1, 15.	1.2	8
44	Investigating the Feasibility of Geo-Tagged Photographs as Sources of Land Cover Input Data. ISPRS International Journal of Geo-Information, 2016, 5, 64.	1.4	58
45	Group-based crop change planning: Application of SmartScapeâ„¢ spatial decision support system for resolving conflicts. Ecological Modelling, 2016, 333, 92-100.	1.2	6
46	FSAUA: A framework for sensitivity analysis and uncertainty assessment in historical and forecasted land use maps. Environmental Modelling and Software, 2016, 84, 70-84.	1.9	21
47	Assessing the suitability of GlobeLand30 for mapping land cover in Germany. International Journal of Digital Earth, 2016, 9, 873-891.	1.6	45
48	GlobeLand30 as an alternative fine-scale global land cover map: Challenges, possibilities, and implications for developing countries. Habitat International, 2016, 55, 25-31.	2.3	86
49	Analyzing crop change scenario with the SmartScapeâ„¢ spatial decision support system. Land Use Policy, 2016, 51, 41-53.	2.5	14
50	On the Contribution of Volunteered Geographic Information to Land Monitoring Efforts. , 2016, , 269-284.		0
51	Crowdsourced mapping of land use in urban dense environments: An assessment of Toronto. Canadian Geographer / Geographie Canadien, 2015, 59, 246-255.	1.0	31
52	An Exploration of Future Patterns of the Contributions to OpenStreetMap and Development of a Contribution Index. Transactions in GIS, 2015, 19, 896-914.	1.0	37
53	Spatiotemporal monitoring of Bakhtegan Lake's areal fluctuations and an exploration of its future status by applying a cellular automata model. Computers and Geosciences, 2015, 78, 37-43.	2.0	32
54	Understanding the potential relationship between the socio-economic variables and contributions to OpenStreetMap. International Journal of Digital Earth, 2015, 8, 861-876.	1.6	27

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55	Spatial eigenvector filtering for spatiotemporal crime mapping and spatial crime analysis. Cartography and Geographic Information Science, 2015, 42, 134-148.	1.4	43
56	An assessment of a collaborative mapping approach for exploring land use patterns for several European metropolises. International Journal of Applied Earth Observation and Geoinformation, 2015, 35, 329-337.	1.4	69
57	The emergence and evolution of OpenStreetMap: a cellular automata approach. International Journal of Digital Earth, 2015, 8, 76-90.	1.6	43
58	An Introduction to OpenStreetMap in Geographic Information Science: Experiences, Research, and Applications. Lecture Notes in Geoinformation and Cartography, 2015, , 1-15.	0.5	39
59	Quality Assessment of the Contributed Land Use Information from OpenStreetMap Versus Authoritative Datasets. Lecture Notes in Geoinformation and Cartography, 2015, , 37-58.	0.5	57
60	Predicting Urban Growth of the Greater Toronto Area - Coupling a Markov Cellular Automata with Document Meta-Analysis. Journal of Environmental Informatics, 2015, 25, 71-80.	6.0	51
61	Computational Approaches for Urban Environments: An Editorial. , 2015, , 1-9.		0
62	Fine-resolution population mapping using OpenStreetMap points-of-interest. International Journal of Geographical Information Science, 2014, 28, 1940-1963.	2.2	184
63	A Morphological Approach to Predicting Urban Expansion. Transactions in GIS, 2014, 18, 219-233.	1.0	24
64	Integrating and Generalising Volunteered Geographic Information. Lecture Notes in Geoinformation and Cartography, 2014, , 119-155.	0.5	21
65	Toward mapping land-use patterns from volunteered geographic information. International Journal of Geographical Information Science, 2013, 27, 2264-2278.	2.2	117
66	Visualization of geologic geospatial datasets through X3D in the frame of WebGIS. International Journal of Digital Earth, 2013, 6, 483-503.	1.6	4
67	Integration of logistic regression, Markov chain and cellular automata models to simulate urban expansion. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 265-275.	1.4	528
68	Spatiotemporal simulation of urban growth patterns using agent-based modeling: The case of Tehran. Cities, 2013, 32, 33-42.	2.7	165
69	Semantic Interoperability of Sensor Data with Volunteered Geographic Information: A Unified Model. ISPRS International Journal of Geo-Information, 2013, 2, 766-796.	1.4	18
70	Implementation of Traditional Techniques. , 2012, , 69-94.		0
71	Dynamic land use/cover change modelling. , 2012, , .		13
72	Tracking dynamic land-use change using spatially explicit Markov Chain based on cellular automata: the case of Tehran. International Journal of Image and Data Fusion, 2011, 2, 329-345.	0.8	132

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73	Monitoring and Spatially Explicit Simulation of Land Use Dynamics: From Cellular Automata to Geosimulation - A Case Study of Tehran, Iran. , 2011, , .		1
74	EXPLOITING VOLUNTEERED GEOGRAPHIC INFORMATION TO EASE LAND USE MAPPING OF AN URBAN LANDSCAPE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-4/W1, 51-55.	0.2	15
75	Driving Forces of Non-Violent Crime in Houston, TX: A Spatially Filtered Negative Binomial Model. , 0, , .		0