

# Abdul-Lateef Balogun

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,140  
citations

257101

24  
h-index

243296

44  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1823  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the socio-economic advantages of textile recycling. <i>Journal of Cleaner Production</i> , 2019, 218, 10-20.	4.6	206
2	Assessing the Potentials of Digitalization as a Tool for Climate Change Adaptation and Sustainable Development in Urban Centres. <i>Sustainable Cities and Society</i> , 2020, 53, 101888.	5.1	175
3	Assessing the impacts of climate change in cities and their adaptive capacity: Towards transformative approaches to climate change adaptation and poverty reduction in urban areas in a set of developing countries. <i>Science of the Total Environment</i> , 2019, 692, 1175-1190.	3.9	137
4	Barriers and challenges to plastics valorisation in the context of a circular economy: Case studies from Italy. <i>Journal of Cleaner Production</i> , 2019, 241, 118149.	4.6	132
5	Flood Susceptibility Mapping Using GIS-Based Analytic Network Process: A Case Study of Perlis, Malaysia. <i>Water (Switzerland)</i> , 2019, 11, 615.	1.2	124
6	Impacts of COVID-19 and social isolation on academic staff and students at universities: a cross-sectional study. <i>BMC Public Health</i> , 2021, 21, 1213.	1.2	118
7	GIS-based analytic hierarchy process as a multicriteria decision analysis instrument: a review. <i>Arabian Journal of Geosciences</i> , 2013, 6, 3059-3066.	0.6	103
8	A novel deep learning instance segmentation model for automated marine oil spill detection. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 167, 190-200.	4.9	90
9	A comparative study of approaches towards energy efficiency and renewable energy use at higher education institutions. <i>Journal of Cleaner Production</i> , 2019, 237, 117728.	4.6	70
10	Strengthening climate change adaptation capacity in Africa- case studies from six major African cities and policy implications. <i>Environmental Science and Policy</i> , 2018, 86, 29-37.	2.4	66
11	Deploying artificial intelligence for climate change adaptation. <i>Technological Forecasting and Social Change</i> , 2022, 180, 121662.	6.2	47
12	Reviewing the role of ecosystems services in the sustainability of the urban environment: A multi-country analysis. <i>Journal of Cleaner Production</i> , 2020, 262, 121338.	4.6	43
13	Sea level prediction using ARIMA, SVR and LSTM neural network: assessing the impact of ensemble Ocean-Atmospheric processes on models' accuracy. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 653-674.	2.0	43
14	Spatio-Temporal Analysis of Oil Spill Impact and Recovery Pattern of Coastal Vegetation and Wetland Using Multispectral Satellite Landsat 8-OLI Imagery and Machine Learning Models. <i>Remote Sensing</i> , 2020, 12, 1225.	1.8	41
15	Plastic debris on Pacific Islands: Ecological and health implications. <i>Science of the Total Environment</i> , 2019, 670, 181-187.	3.9	40
16	Advances in Remote Sensing Technology, Machine Learning and Deep Learning for Marine Oil Spill Detection, Prediction and Vulnerability Assessment. <i>Remote Sensing</i> , 2020, 12, 3416.	1.8	38
17	Oil spill trajectory modelling and environmental vulnerability mapping using GNOME model and GIS. <i>Environmental Pollution</i> , 2021, 268, 115812.	3.7	37
18	Ensemble fuzzy MCDM for spatial assessment of flood susceptibility in Ibadan, Nigeria. <i>Natural Hazards</i> , 2020, 104, 2277-2306.	1.6	36

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19	The influence of ecosystems services depletion to climate change adaptation efforts in Africa. <i>Science of the Total Environment</i> , 2021, 779, 146414.	3.9	36
20	A review of the inter-correlation of climate change, air pollution and urban sustainability using novel machine learning algorithms and spatial information science. <i>Urban Climate</i> , 2021, 40, 100989.	2.4	36
21	Air pollution hazard assessment using decision tree algorithms and bivariate probability cluster polar function: evaluating inter-correlation clusters of PM10 and other air pollutants. <i>GIScience and Remote Sensing</i> , 2020, 57, 207-226.	2.4	34
22	Transformative urban governance: confronting urbanization challenges with geospatial technologies in Lagos, Nigeria. <i>Geo Journal</i> , 2020, 85, 1039-1056.	1.7	32
23	Fuzzy MCDM-based GIS model for subsea oil pipeline route optimization: An integrated approach. <i>Marine Georesources and Geotechnology</i> , 2017, 35, 961-969.	1.2	29
24	Modelling and investigating the impacts of climatic variables on ozone concentration in Malaysia using correlation analysis with random forest, decision tree regression, linear regression, and support vector regression. <i>Chemosphere</i> , 2022, 299, 134250.	4.2	29
25	Advances in estimating Sea Level Rise: A review of tide gauge, satellite altimetry and spatial data science approaches. <i>Ocean and Coastal Management</i> , 2021, 208, 105632.	2.0	28
26	Deep learning and boosting framework for piping erosion susceptibility modeling: spatial evaluation of agricultural areas in the semi-arid region. <i>Geocarto International</i> , 2022, 37, 4628-4654.	1.7	27
27	Spatial assessment of PM10 hotspots using Random Forest, K-Nearest Neighbour and Naïve Bayes. <i>Atmospheric Pollution Research</i> , 2021, 12, 101202.	1.8	26
28	Digitalization for transformative urbanization, climate change adaptation, and sustainable farming in Africa: trend, opportunities, and challenges. <i>Journal of Integrative Environmental Sciences</i> , 2022, 19, 17-37.	1.0	22
29	Introducing experiences from African pastoralist communities to cope with climate change risks, hazards and extremes: Fostering poverty reduction. <i>International Journal of Disaster Risk Reduction</i> , 2020, 50, 101738.	1.8	21
30	Demystifying uncertainty in PM10 susceptibility mapping using variable drop-off in extreme-gradient boosting (XGB) and random forest (RF) algorithms. <i>Environmental Science and Pollution Research</i> , 2021, 28, 43544-43566.	2.7	21
31	A fuzzy multi-criteria decision support system for evaluating subsea oil pipeline routing criteria in East Malaysia. <i>Environmental Earth Sciences</i> , 2015, 74, 4875-4884.	1.3	20
32	Realising the Potential of Renewable Energy as a Tool for Energy Security in Small Island Developing States. <i>Sustainability</i> , 2022, 14, 4965.	1.6	19
33	The influence of urban form on the spatiotemporal variations in land surface temperature in an arid coastal city. <i>Geocarto International</i> , 2021, 36, 640-659.	1.7	17
34	A Geographic Information System and Multi-Criteria Decision Analysis in Proposing New Recreational Park Sites in Universiti Teknologi Malaysia. <i>Modern Applied Science</i> , 2011, 5, .	0.4	16
35	Analysis of the flood extent extraction model and the natural flood influencing factors: A GIS-based and remote sensing analysis. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 18, 012059.	0.2	16
36	GIS-based air quality modelling: spatial prediction of PM10 for Selangor State, Malaysia using machine learning algorithms. <i>Environmental Science and Pollution Research</i> , 2022, 29, 86109-86125.	2.7	15

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37	Framing Electric Mobility for Urban Sustainability in a Circular Economy Context: An Overview of the Literature. <i>Sustainability</i> , 2021, 13, 7786.	1.6	14
38	Spatial Analytic Hierarchy Process Model for Flood Forecasting: An Integrated Approach. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 20, 012029.	0.2	13
39	Geovisualization of Sub-surface Pipelines: A 3D Approach. <i>Modern Applied Science</i> , 2011, 5, .	0.4	12
40	Evolving a comprehensive geomatics multi-criteria evaluation index model for optimal pipeline route selection. <i>Structure and Infrastructure Engineering</i> , 2020, 16, 1382-1396.	2.0	11
41	Spatio-temporal modelling of the influence of climatic variables and seasonal variation on PM <sub>10</sub> in Malaysia using multivariate regression (MVR) and GIS. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 443-468.	2.0	11
42	Transformative adaptation as a sustainable response to climate change: insights from large-scale case studies. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2022, 27, 1.	1.0	11
43	Assessing the suitability of GlobeLand30 for land cover mapping and sustainable development in Malaysia using error matrix and unbiased area Estimation. <i>Geocarto International</i> , 2022, 37, 1607-1627.	1.7	10
44	Assessment of data mining, multi-criteria decision making and fuzzy-computing techniques for spatial flood susceptibility mapping: a comparative study. <i>Geocarto International</i> , 2022, 37, 12989-13015.	1.7	10
45	Spatial identification and temporal prediction of air pollution sources using conditional bivariate probability function and time series signature. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 709-726.	1.8	9
46	A deep-learning model for national scale modelling and mapping of sea level rise in Malaysia: the past, present, and future. <i>Geocarto International</i> , 2022, 37, 6892-6914.	1.7	7
47	Assessing the Impacts of Rising Sea Level on Coastal Morpho-Dynamics with Automated High-Frequency Shoreline Mapping Using Multi-Sensor Optical Satellites. <i>Remote Sensing</i> , 2021, 13, 3587.	1.8	7
48	Advanced data mining techniques for landslide susceptibility mapping. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 2430-2461.	2.0	7
49	Flood Susceptibility Modeling: A Geo-spatial Technology Multi-criteria Decision Analysis Approach. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 4638-4644.	0.1	6
50	Examining the Effect of Land Use on the Spatiotemporal Dynamics of Urban Temperature in an Industrial City: A Landsat Imagery Analysis. , 2017, , 3-15.		5
51	Using the jet stream for sustainable airship and balloon transportation of cargo and hydrogen. <i>Energy Conversion and Management: X</i> , 2019, 3, 100016.	0.9	5
52	DEVELOPING AN EMERGENCY RESPONSE MODEL FOR OFFSHORE OIL SPILL DISASTER MANAGEMENT USING SPATIAL DECISION SUPPORT SYSTEM (SDSS). <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-3, 21-27.	0.0	5
53	Group-based Decision Support for Flood Hazard Forecasting: A Geospatial Technology-based Group Analytic Hierarchy Process Approach. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 4838-4850.	0.1	4
54	Application of Geographic Information System (GIS) to Model the Hydrocarbon Migration: Case Study from North-East Malay Basin, Malaysia. <i>E3S Web of Conferences</i> , 2018, 34, 02027.	0.2	3