

# Khairul Nizam Abdul Maulud

## List of Publications by Citations

**Source:**

<https://exaly.com/author-pdf/6804994/khairul-nizam-abdul-maulud-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97  
papers

877  
citations

16  
h-index

25  
g-index

115  
ext. papers

1,204  
ext. citations

2.7  
avg, IF

4.72  
L-index

#	Paper	IF	Citations
97	The Impact of Anthropogenic Heat on Formation of Urban Heat Island and Energy Consumption Balance. <i>Urban Studies Research</i> , <b>2011</b> , 2011, 1-9		87
96	Technical feasibility studies for Langkawi WCO (waste cooking oil) derived-biodiesel. <i>Energy</i> , <b>2011</b> , 36, 1386-1393	7.9	56
95	Healthy Environment: The Need to Mitigate Urban Heat Island Effects on Human Health. <i>Procedia Engineering</i> , <b>2011</b> , 20, 61-70		50
94	Spatial and temporal risk quotient based river assessment for water resources management. <i>Environmental Pollution</i> , <b>2019</b> , 248, 133-144	9.3	39
93	Improving Individual Tree Crown Delineation and Attributes Estimation of Tropical Forests Using Airborne LiDAR Data. <i>Forests</i> , <b>2018</b> , 9, 759	2.8	38
92	The Influence of Deforestation on Land Surface Temperature: A Case Study of Perak and Kedah, Malaysia. <i>Forests</i> , <b>2020</b> , 11, 670	2.8	35
91	Comprehensive assessment of PM2.5 physicochemical properties during the Southeast Asia dry season (southwest monsoon). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 14,589-14,611	4.4	34
90	Dynamics of Sediment Transport and Erosion-Deposition Patterns in the Locality of a Detached Low-Crested Breakwater on a Cohesive Coast. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1721	3	25
89	Solid waste forecasting using modified ANFIS modeling. <i>Journal of the Air and Waste Management Association</i> , <b>2015</b> , 65, 1229-38	2.4	22
88	Estimating the Impact of Daily Weather on the Temporal Pattern of COVID-19 Outbreak in India. <i>Earth Systems and Environment</i> , <b>2020</b> , 4, 1-12	7.5	22
87	Prediction of municipal solid waste generation using nonlinear autoregressive network. <i>Environmental Monitoring and Assessment</i> , <b>2015</b> , 187, 753	3.1	21
86	Direct growth of graphene on MgO by chemical vapor deposition for thermal conductivity enhancement of phase change material. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 202, 352-357	4.4	19
85	A Review of Southeast Asian Oil Palm and Its CO2 Fluxes. <i>Sustainability</i> , <b>2020</b> , 12, 5077	3.6	19
84	Physicochemical factors and their potential sources inferred from long-term rainfall measurements at an urban and a remote rural site in tropical areas. <i>Science of the Total Environment</i> , <b>2018</b> , 613-614, 1401-1416	10.2	19
83	Urban flash flood index based on historical rainfall events. <i>Sustainable Cities and Society</i> , <b>2020</b> , 56, 102088	8.1	17
82	Airborne particles in the city center of Kuala Lumpur: Origin, potential driving factors, and deposition flux in human respiratory airways. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 1195-1206	10.2	17
81	Characterization of rainwater chemical composition after a Southeast Asia haze event: insight of transboundary pollutant transport during the northeast monsoon. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 15278-15290	5.1	16

80	Spatial assessment of land use impact on air quality in mega urban regions, Malaysia. <i>Sustainable Cities and Society</i> , <b>2020</b> , 63, 102436	10.1	16
79	Local and transboundary factors' impacts on trace gases and aerosol during haze episode in 2015 El Niño in Malaysia. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 1502-1514	10.2	14
78	Improving Road Semantic Segmentation Using Generative Adversarial Network. <i>IEEE Access</i> , <b>2021</b> , 9, 64381-64392	3.5	14
77	Comprehensive coastal vulnerability assessment and adaptation for Cherating-Pekan coast, Pahang, Malaysia. <i>Ocean and Coastal Management</i> , <b>2019</b> , 182, 104948	3.9	12
76	Current and potential impacts of sea level rise in the coastal areas of Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 228, 012023	0.3	12
75	El Niño driven haze over the Southern Malaysian Peninsula and Borneo. <i>Science of the Total Environment</i> , <b>2020</b> , 730, 139091	10.2	11
74	A Review of the Measurement Method, Analysis and Implementation Policy of Carbon Dioxide Emission from Transportation. <i>Sustainability</i> , <b>2020</b> , 12, 5873	3.6	11
73	Integrating multilayer perceptron neural nets with hybrid ensemble classifiers for deforestation probability assessment in Eastern India. <i>Geomatics, Natural Hazards and Risk</i> , <b>2021</b> , 12, 29-62	3.6	11
72	Depiction and analysis of a modified theta shaped double negative metamaterial for satellite application. <i>Open Physics</i> , <b>2018</b> , 16, 839-847	1.3	11
71	Grease Formulation from Palm Oil Industry Wastes. <i>Waste and Biomass Valorization</i> , <b>2018</b> , 9, 2447-2457	3.2	10
70	RP3CA: An expert system applied in stormwater management plan for construction sites in Malaysia. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 3692-3701	7.8	10
69	Carbon Emissions from Oil Palm Induced Forest and Peatland Conversion in Sabah and Sarawak, Malaysia. <i>Forests</i> , <b>2020</b> , 11, 1285	2.8	9
68	Volumetric calculation using low cost unmanned aerial vehicle (UAV) approach. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 270, 012032	0.4	8
67	Evolution of river geomorphology to water quality impact using remote sensing and GIS technique	149, 258-273	8
66	Textural characteristics and sedimentary environment of sediment at eroded and deposited regions in the severely eroded coastline of Batu Pahat, Malaysia. <i>Science of the Total Environment</i> , <b>2017</b> , 598, 525-537	10.2	7
65	Impact of Shoreline Changes to Pahang Coastal Area by using Geospatial Technology	<b>2018</b> , 47, 991-997	7
64	Sedimentation and water quality deterioration problems at Terengganu River Basin, Terengganu, Malaysia	149, 228-241	7
63	Trend Of Water Quality Status In Kelantan River Downstream, Peninsular Malaysia	<b>2020</b> , 16, 178	7

62	Energy Consumption and Spatial Assessment of Renewable Energy Penetration and Building Energy Efficiency in Malaysia: A Review. <i>Sustainability</i> , <b>2021</b> , 13, 9244	3.6	7
61	Extraction of shoreline changes in Selangor coastal area using GIS and remote sensing techniques. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 852, 012031	0.3	6
60	Spatial-temporal variations in surface ozone over Ushuaia and the Antarctic region: observations from in situ measurements, satellite data, and global models. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 2194-2210	5.1	6
59	An Assessment of Coastal Vulnerability of Pahang Coast Due to Sea Level Rise. <i>International Journal of Engineering and Technology(UAE)</i> , <b>2018</b> , 7, 176	0.8	6
58	Robustness analysis of machine learning classifiers in predicting spatial gully erosion susceptibility with altered training samples. <i>Geomatics, Natural Hazards and Risk</i> , <b>2021</b> , 12, 794-828	3.6	6
57	Spatial assessment of drought vulnerability using fuzzy-analytical hierarchical process: a case study at the Indian state of Odisha. <i>Geomatics, Natural Hazards and Risk</i> , <b>2021</b> , 12, 123-153	3.6	6
56	Co-synthesis of large-area graphene and syngas via CVD method from greenhouse gases. <i>Materials Letters</i> , <b>2018</b> , 227, 132-135	3.3	5
55	The Framework to Mitigate the Urban Heat Island Effect for Improving Environment and Protecting Human Health. <i>International Journal of Sustainable Development and Planning</i> , <b>2010</b> , 5, 351-366	2	5
54	ASSESSMENT OF THE MANGROVE FOREST CHANGES ALONG THE PAHANG COAST USING REMOTE SENSING AND GIS TECHNOLOGY. <i>Journal of Sustainability Science and Management</i> , <b>2020</b> , 15, 43-58	1.6	5
53	GIS Based Landslide Hazard Mapping Prediction in Ulu Klang, Malaysia. <i>ITB Journal of Science</i> , <b>2010</b> , 42, 163-178		5
52	Wave power potential in Malaysian territorial waters. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2016</b> , 37, 012018	0.3	5
51	Forecasting landslides using SIGMA model: a case study from Idukki, India. <i>Geomatics, Natural Hazards and Risk</i> , <b>2021</b> , 12, 540-559	3.6	5
50	Integrating approach to size and site at a sanitary landfill in Selangor state, Malaysia. <i>Environmental Engineering Research</i> , <b>2015</b> , 20, 268-276	3.6	4
49	Perceived Usefulness of Airborne LiDAR Technology in Road Design and Management: A Review. <i>Sustainability</i> , <b>2021</b> , 13, 11773	3.6	4
48	Tree Stump Height Estimation Using Canopy Height Model at Tropical Forest in Ulu Jelai Forest Reserve, Pahang, Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2015</b> , 540, 012015	0.3	4
47	A study of spatial and water quality index during dry and rainy seasons at Kelantan River Basin, Peninsular Malaysia. <i>Arabian Journal of Geosciences</i> , <b>2021</b> , 14, 1	1.8	4
46	Classification of Land Use/Land Cover Changes Using GIS and Remote Sensing Technique in Lake Kenyir Basin, Terengganu, Malaysia. <i>International Journal of Engineering and Technology(UAE)</i> , <b>2018</b> , 7, 12	0.8	4
45	Development of GIS Database for Infrastructure Management: Power Distribution Network System. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 540, 012067	0.3	3

44	Datasets on spatial and temporal distribution of heavy metals concentration in recent sediment at merang river system, Terengganu, Malaysia. <i>Data in Brief</i> , <b>2020</b> , 31, 105900	1.2	3
43	Determination the impact of sea level rise to shoreline changes using GIS <b>2015</b> ,		3
42	Integrated Segmentation Approach with Machine Learning Classifier in Detecting and Mapping Post Selective Logging Impacts Using UAV Imagery. <i>Forests</i> , <b>2022</b> , 13, 48	2.8	3
41	Stakeholders' Response and Perspectives on Flood Disaster of Pahang River Basin. <i>Malaysian Journal of Geosciences</i> , <b>2017</b> , 1, 43-49	1	3
40	Approaching BIM-GIS Integration for 3D Evacuation Planning Requirement Using Multipatch Geometry Data Format. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 385, 012033	0.3	3
39	Spatial and Temporal Distribution of Dissolved Oxygen and Suspended Sediment in Kelantan River Basin		3
38	Assessment of erosion and hazard in the coastal areas of Selangor. <i>Geografia: Malaysian Journal of Society and Space</i> , <b>2021</b> , 17,	1.9	3
37	Generation of digital elevation model through aerial technique. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 169, 012093	0.3	3
36	Effect of projected sea level rise on the hydrodynamic and suspended sediment concentration profile of tropical estuary. <i>Regional Studies in Marine Science</i> , <b>2018</b> , 24, 225-236	1.5	3
35	What Makes a Location into a Favorable Habitat Under Changing Climate and Environmental Conditions? A Pilot Study Focused on Exploring the Differences between Natural and Non-natural Habitats using Airborne LiDAR. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 228, 012018	0.3	2
34	Synthesis of Graphene Flakes over Recovered Copper Etched in Ammonium Persulfate Solution <b>2017</b> , 46, 1039-1045		2
33	Indoor Environmental Quality towards Classrooms Comforts Level: Case Study at Malaysian Secondary School Building. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5866	2.6	2
32	Evaluation and verification of numerical modelling of nearshore changes due to waves and currents parameter in Carey Island, Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 169, 012054	0.3	2
31	Comparison between Deep Learning and Tree-Based Machine Learning Approaches for Landslide Susceptibility Mapping. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 2664	3	2
30	Connecting the Dots between Social Care and Healthcare for the Sustainability Development of Older Adult in Asia: A Scoping Review. <i>Sustainability</i> , <b>2022</b> , 14, 2573	3.6	2
29	Distribution ozone concentration in Klang Valley using GIS approaches. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 852, 012021	0.3	1
28	Aging Behavior of Ultra-Fine Grained Al—0.5%Si—0.5%Ge Alloy Fabricated by ARB Process. <i>Materials Transactions</i> , <b>2014</b> , 55, 249-254	1.3	1
27	The Effectiveness of basic Design Project (Cornerstone) in Students' Competency Development. <i>Procedia, Social and Behavioral Sciences</i> , <b>2012</b> , 60, 56-60		1

26	Aging behavior of ultra-fine grained Al <sup>0.5</sup> Si <sup>0.5</sup> Ge alloy fabricated using ARB process. <i>Keikin-zoku/Journal of Japan Institute of Light Metals</i> , <b>2012</b> , 62, 442-447	0.3	1
25	Household external vulnerability due to climate change in Selangor coast of Malaysia. <i>Climate Risk Management</i> , <b>2022</b> , 35, 100408	4.6	1
24	Modeling of Groundwater Potential Using Cloud Computing Platform: A Case Study from Nineveh Plain, Northern Iraq. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3330	3	1
23	Impact of Sea Level Rise on the Coastal Ecosystem <b>2018</b> , 173-184		1
22	Statistical analysis on physical and chemical parameters and heavy metal in marine water. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1489, 012036	0.3	1
21	Impact of evacuation design parameter on users' evacuation time using a multi-agent simulation. <i>Ain Shams Engineering Journal</i> , <b>2021</b> , 12, 2355-2369	4.4	1
20	Applications of Drones in Emerging Economies: A case study of Malaysia <b>2019</b> ,		1
19	<b>2019</b> ,		1
18	Manifestation of lattice topology data model for indoor navigation path based on the 3D building environment. <i>Journal of Computational Design and Engineering</i> ,	4.6	1
17	Geospatial analysis of distribution of community pharmacies and other health care facilities providing minor ailments services in Malaysia. <i>Journal of Pharmaceutical Policy and Practice</i> , <b>2021</b> , 14, 24	3.2	1
16	Study of dissolved Copper(II) Speciation at Coastal Water of Peninsular Malaysia. <i>Oriental Journal of Chemistry</i> , <b>2018</b> , 34, 1858-1877	0.8	1
15	Synthesis and Characterization of Schwertmannite by Neutralization Method. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1082, 012097	0.3	1
14	Assessment of coastal inundation of low lying areas due to sea level rise. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 169, 012046	0.3	1
13	Coastal Vulnerability: A Brief Review on Integrated Assessment in Southeast Asia. <i>Journal of Marine Science and Engineering</i> , <b>2022</b> , 10, 595	2.4	1
12	Beach Profile Assessment and Erosion Rate Estimation of Monsoonal Coastline Area in Pahang, Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 799, 012005	0.3	0
11	Variation of Beach Profile Along Pahang Coast in Malaysia. <i>International Journal of Engineering and Technology(UAE)</i> , <b>2018</b> , 7, 196	0.8	0
10	Volatile Organic Compound Analysis by Sorbent Tube-Thermal Desorption-Gas Chromatography: A Review. <i>International Journal of Engineering and Technology(UAE)</i> , <b>2018</b> , 7, 165	0.8	0
9	Modelling the Impact of Land Cover Changes on Carbon Storage and Sequestration in the Central Zagros Region, Iran Using Ecosystem Services Approach. <i>Land</i> , <b>2022</b> , 11, 423	3.5	0

8	Households' perceptions and socio-economic determinants of climate change awareness: Evidence from Selangor Coast Malaysia. <i>Journal of Environmental Management</i> , <b>2022</b> , 316, 115261	7.9	0
7	Development of RP3CA-EMP, a Knowledge-Based System for Applying Environmental Management Plan (EMP) in the Malaysian Construction Industry. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 22-31	0.9	
6	Effectiveness of a ground sill structure in reducing scouring problem at Cimadur River, Banten Province. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 880, 012026	0.3	
5	Submerging paddy cultivation area due to coastal flooding in Kuala Kedah, Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 880, 012015	0.3	
4	Integrated Facility and Assets Management using GIS-Web Application. <i>IOP Conference Series: Earth and Environmental Science</i> , 540, 012068	0.3	
3	The effect of marine parameters on salinity via statistical approaches. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1489, 012035	0.3	
2	Assessment the accessibility of poverty distribution to infrastructure and facilities in Perlis Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 169, 012015	0.3	
1	Assessment of Coastal Landscape Along Kelantan Coast Using Geospatial Techniques. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2022</b> , 1019, 012036	0.3	