

# Khairul Nizam Abdul Maulud

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

1,667  
citations

331538

21  
h-index

360920

35  
g-index

116  
all docs

116  
docs citations

116  
times ranked

1635  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Impact of Anthropogenic Heat on Formation of Urban Heat Island and Energy Consumption Balance. <i>Urban Studies Research</i> , 2011, 2011, 1-9.	0.6	139
2	The Influence of Deforestation on Land Surface Temperature—A Case Study of Perak and Kedah, Malaysia. <i>Forests</i> , 2020, 11, 670.	0.9	89
3	Healthy Environment: The Need to Mitigate Urban Heat Island Effects on Human Health. <i>Procedia Engineering</i> , 2011, 20, 61-70.	1.2	86
4	Technical feasibility studies for Langkawi WCO (waste cooking oil) derived-biodiesel. <i>Energy</i> , 2011, 36, 1386-1393.	4.5	65
5	Spatial and temporal risk quotient based river assessment for water resources management. <i>Environmental Pollution</i> , 2019, 248, 133-144.	3.7	58
6	Improving Individual Tree Crown Delineation and Attributes Estimation of Tropical Forests Using Airborne LiDAR Data. <i>Forests</i> , 2018, 9, 759.	0.9	47
7	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> , 2019, 11, 1721.	1.2	45
8	Improving Road Semantic Segmentation Using Generative Adversarial Network. <i>IEEE Access</i> , 2021, 9, 64381-64392.	2.6	40
9	Comprehensive assessment of PM <sub>2.5</sub> physicochemical properties during the Southeast Asia dry season (southwest monsoon). <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 14,589.	1.2	39
10	Estimating the Impact of Daily Weather on the Temporal Pattern of COVID-19 Outbreak in India. <i>Earth Systems and Environment</i> , 2020, 4, 523-534.	3.0	39
11	A Review of the Measurement Method, Analysis and Implementation Policy of Carbon Dioxide Emission from Transportation. <i>Sustainability</i> , 2020, 12, 5873.	1.6	37
12	Direct growth of graphene on MgO by chemical vapor deposition for thermal conductivity enhancement of phase change material. <i>Materials Chemistry and Physics</i> , 2017, 202, 352-357.	2.0	36
13	Spatial assessment of land use impact on air quality in mega urban regions, Malaysia. <i>Sustainable Cities and Society</i> , 2020, 63, 102436.	5.1	35
14	Urban flash flood index based on historical rainfall events. <i>Sustainable Cities and Society</i> , 2020, 56, 102088.	5.1	34
15	Prediction of municipal solid waste generation using nonlinear autoregressive network. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 753.	1.3	32
16	Solid waste forecasting using modified ANFIS modeling. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 1229-1238.	0.9	32
17	Energy Consumption and Spatial Assessment of Renewable Energy Penetration and Building Energy Efficiency in Malaysia: A Review. <i>Sustainability</i> , 2021, 13, 9244.	1.6	29
18	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> , 2018, 630, 1502-1514.	3.9	28

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19	A Review of Southeast Asian Oil Palm and Its CO2 Fluxes. Sustainability, 2020, 12, 5077.	1.6	28
20	Physicochemical factors and their potential sources inferred from long-term rainfall measurements at an urban and a remote rural site in tropical areas. Science of the Total Environment, 2018, 613-614, 1401-1416.	3.9	27
21	Airborne particles in the city center of Kuala Lumpur: Origin, potential driving factors, and deposition flux in human respiratory airways. Science of the Total Environment, 2019, 650, 1195-1206.	3.9	26
22	Spatial assessment of drought vulnerability using fuzzy-analytical hierarchical process: a case study at the Indian state of Odisha. Geomatics, Natural Hazards and Risk, 2021, 12, 123-153.	2.0	25
23	Comprehensive coastal vulnerability assessment and adaptation for Cherating-Pekan coast, Pahang, Malaysia. Ocean and Coastal Management, 2019, 182, 104948.	2.0	24
24	Current and potential impacts of sea level rise in the coastal areas of Malaysia. IOP Conference Series: Earth and Environmental Science, 0, 228, 012023.	0.2	22
25	A study of spatial and water quality index during dry and rainy seasons at Kelantan River Basin, Peninsular Malaysia. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	22
26	Sedimentation and water quality deterioration problems at Terengganu River Basin, Terengganu, Malaysia. , 0, 149, 228-241.		22
27	Integrating multilayer perceptron neural nets with hybrid ensemble classifiers for deforestation probability assessment in Eastern India. Geomatics, Natural Hazards and Risk, 2021, 12, 29-62.	2.0	21
28	El Niño driven haze over the Southern Malaysian Peninsula and Borneo. Science of the Total Environment, 2020, 730, 139091.	3.9	20
29	Grease Formulation from Palm Oil Industry Wastes. Waste and Biomass Valorization, 2018, 9, 2447-2457.	1.8	19
30	Characterization of rainwater chemical composition after a Southeast Asia haze event: insight of transboundary pollutant transport during the northeast monsoon. Environmental Science and Pollution Research, 2017, 24, 15278-15290.	2.7	18
31	Robustness analysis of machine learning classifiers in predicting spatial gully erosion susceptibility with altered training samples. Geomatics, Natural Hazards and Risk, 2021, 12, 794-828.	2.0	17
32	Coastal Vulnerability: A Brief Review on Integrated Assessment in Southeast Asia. Journal of Marine Science and Engineering, 2022, 10, 595.	1.2	17
33	RP3CA: An expert system applied in stormwater management plan for construction sites in Malaysia. Expert Systems With Applications, 2012, 39, 3692-3701.	4.4	15
34	Carbon Emissions from Oil Palm Induced Forest and Peatland Conversion in Sabah and Sarawak, Malaysia. Forests, 2020, 11, 1285.	0.9	15
35	ASSESSMENT OF THE MANGROVE FOREST CHANGES ALONG THE PAHANG COAST USING REMOTE SENSING AND GIS TECHNOLOGY. Journal of Sustainability Science and Management, 2020, 15, 43-58.	0.2	15
36	Volumetric calculation using low cost unmanned aerial vehicle (UAV) approach. IOP Conference Series: Materials Science and Engineering, 2017, 270, 012032.	0.3	14

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37	Depiction and analysis of a modified theta shaped double negative metamaterial for satellite application. <i>Open Physics</i> , 2018, 16, 839-847.	0.8	14
38	Impact of Shoreline Changes to Pahang Coastal Area by using Geospatial Technology. <i>Sains Malaysiana</i> , 2018, 47, 991-997.	0.3	13
39	Integrated Segmentation Approach with Machine Learning Classifier in Detecting and Mapping Post Selective Logging Impacts Using UAV Imagery. <i>Forests</i> , 2022, 13, 48.	0.9	13
40	An Assessment of Coastal Vulnerability of Pahang's Coast Due to Sea Level Rise. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 176.	0.2	12
41	Comparison between Deep Learning and Tree-Based Machine Learning Approaches for Landslide Susceptibility Mapping. <i>Water (Switzerland)</i> , 2021, 13, 2664.	1.2	12
42	Forecasting landslides using SIGMA model: a case study from Idukki, India. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 540-559.	2.0	12
43	Perceived Usefulness of Airborne LiDAR Technology in Road Design and Management: A Review. <i>Sustainability</i> , 2021, 13, 11773.	1.6	11
44	Household external vulnerability due to climate change in Selangor coast of Malaysia. <i>Climate Risk Management</i> , 2022, 35, 100408.	1.5	11
45	Evolution of river geomorphology to water quality impact using remote sensing and GIS technique. , 0, 149, 258-273.		10
46	Trend Of Water Quality Status In Kelantan River Downstream, Peninsular Malaysia. <i>Jurnal Rekayasa Sipil (JRS-Unand)</i> , 2020, 16, 178.	0.1	10
47	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> , 2017, 598, 525-537.	3.9	9
48	Co-synthesis of large-area graphene and syngas via CVD method from greenhouse gases. <i>Materials Letters</i> , 2018, 227, 132-135.	1.3	9
49	Applications of Drones in Emerging Economies: A case study of Malaysia. , 2019, , .		9
50	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> , 2021, 14, 24.	1.1	9
51	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> , 2010, 5, 351-366.	0.3	9
52	Extraction of shoreline changes in Selangor coastal area using GIS and remote sensing techniques. <i>Journal of Physics: Conference Series</i> , 2017, 852, 012031.	0.3	8
53	Spatial and Temporal Distribution of Dissolved Oxygen and Suspended Sediment in Kelantan River Basin. , 0, , .		8
54	GIS Based Landslide Hazard Mapping Prediction in Ulu Klang, Malaysia. <i>ITB Journal of Science</i> , 2010, 42, 163-178.	0.1	8

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55	Modeling of Groundwater Potential Using Cloud Computing Platform: A Case Study from Nineveh Plain, Northern Iraq. <i>Water (Switzerland)</i> , 2021, 13, 3330.	1.2	8
56	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> , 2022, 11, 423.	1.2	8
57	Households' perceptions and socio-economic determinants of climate change awareness: Evidence from Selangor Coast Malaysia. <i>Journal of Environmental Management</i> , 2022, 316, 115261.	3.8	8
58	Wave power potential in Malaysian territorial waters. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 37, 012018.	0.2	7
59	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> , 2018, 25, 2194-2210.	2.7	7
60	Generation of digital elevation model through aerial technique. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 169, 012093.	0.2	7
61	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> , 2018, 7, 12.	0.2	7
62	Indoor Environmental Quality towards Classrooms' Comforts Level: Case Study at Malaysian Secondary School Building. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5866.	1.3	7
63	Analyzing Canopy Height Patterns and Environmental Landscape Drivers in Tropical Forests Using NASA's GEDI Spaceborne LiDAR. <i>Remote Sensing</i> , 2022, 14, 3172.	1.8	7
64	Determination the impact of sea level rise to shoreline changes using GIS. , 2015, , .		6
65	Approaching BIM-GIS Integration for 3D Evacuation Planning Requirement Using Multipatch Geometry Data Format. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 385, 012033.	0.2	6
66	Development of GIS Database for Infrastructure Management: Power Distribution Network System. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 540, 012067.	0.2	6
67	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> , 0, 540, 012015.	0.2	6
68	Stakeholders' Response and Perspectives on Flood Disaster of Pahang River Basin. <i>Malaysian Journal of Geosciences</i> , 2017, 1, 43-49.	0.2	6
69	Study of dissolved Copper(II) Speciation at Coastal Water of Peninsular Malaysia. <i>Oriental Journal of Chemistry</i> , 2018, 34, 1858-1877.	0.1	5
70	Variation of Beach Profile Along Pahang Coast in Malaysia. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 196.	0.2	5
71	Manifestation of lattice topology data model for indoor navigation path based on the 3D building environment. <i>Journal of Computational Design and Engineering</i> , 2021, 8, 1533-1547.	1.5	5
72	Impact of evacuation design parameter on users' evacuation time using a multi-agent simulation. <i>Ain Shams Engineering Journal</i> , 2021, 12, 2355-2369.	3.5	5

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73	Connecting the Dots between Social Care and Healthcare for the Sustainability Development of Older Adult in Asia: A Scoping Review. <i>Sustainability</i> , 2022, 14, 2573.	1.6	5
74	Volatile Organic Compound Analysis by Sorbent Tube-Thermal Desorption-Gas Chromatography: A Review. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 165.	0.2	4
75	Effect of projected sea level rise on the hydrodynamic and suspended sediment concentration profile of tropical estuary. <i>Regional Studies in Marine Science</i> , 2018, 24, 225-236.	0.4	4
76	Integrating approach to size and site at a sanitary landfill in Selangor state, Malaysia. <i>Environmental Engineering Research</i> , 2015, 20, 268-276.	1.5	4
77	Potential of field turbidity measurements for computation of total suspended solid in Tasik Kenyir, Terengganu, Malaysia. , 0, 187, 11-16.		4
78	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> , 2018, 169, 012054.	0.2	3
79	Assessment of coastal inundation of low lying areas due to sea level rise. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 169, 012046.	0.2	3
80	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> , 0, 228, 012018.	0.2	3
81	Datasets on spatial and temporal distribution of heavy metals concentration in recent sediment at merang river system, Terengganu, Malaysia. <i>Data in Brief</i> , 2020, 31, 105900.	0.5	3
82	Assessment of erosion and hazard in the coastal areas of Selangor. <i>Geografia: Malaysian Journal of Society and Space</i> , 2021, 17, .	0.1	3
83	DEVELOPMENT OF GIS DATABASE AND FACILITY MANAGEMENT SYSTEM: ASSET AND SPACE IN UKM. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-4/W16, 563-571.	0.2	3
84	IMPACT OF SALTWATER INTRUSION ON PADDY GROWTH IN KUALA KEDAH, MALAYSIA. <i>Journal of Sustainability Science and Management</i> , 2021, 16, 15-30.	0.2	3
85	Integration of Geospatial Method and Hydrodynamic Modelling to Study the Impact of Sea Level Rise on the Coastal Area. <i>Jurnal Kejuruteraan</i> , 2018, 30, 65-75.	0.2	3
86	Impact of Shoreline Changes to the Coastal Development. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 191.	0.2	3
87	Impact of Malaysia major flood to river geomorphology changes and total suspended solid using GIS technique. , 0, 149, 242-257.		3
88	Evaluation of coastal hydrodynamic performance using statistical analysis at the Kelantan coast, Malaysia. <i>Geografia: Malaysian Journal of Society and Space</i> , 2021, 17, .	0.1	3
89	Evaluation of Soil Pollution Levels in Al-Qadisiyah Governorate, Iraq Using Contamination Index and GIS. <i>Journal of Ecological Engineering</i> , 2022, 23, 206-213.	0.5	3
90	The Effectiveness of basic Design Project (Cornerstone) in Students's™ Competency Development. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 60, 56-60.	0.5	2

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91	Synthesis and Characterization of Schwertmannite by Neutralization Method. Journal of Physics: Conference Series, 2018, 1082, 012097.	0.3	2
92	Debunking Flat Earth: From Geomatics Perspective. , 2019, , .		2
93	Statistical analysis on physical and chemical parameters and heavy metal in marine water. Journal of Physics: Conference Series, 2020, 1489, 012036.	0.3	2
94	Beach Profile Assessment and Erosion Rate Estimation of Monsoonal Coastline Area in Pahang, Malaysia. IOP Conference Series: Earth and Environmental Science, 2021, 799, 012005.	0.2	2
95	Synthesis of Graphene Flakes over Recovered Copper Etched in Ammonium Persulfate Solution. Sains Malaysiana, 2017, 46, 1039-1045.	0.3	2
96	Assessment of Coastal Landscape Along Kelantan Coast Using Geospatial Techniques. IOP Conference Series: Earth and Environmental Science, 2022, 1019, 012036.	0.2	2
97	Aging behavior of ultra-fine grained Al <sup>^</sup> ndash;0.5%Si <sup>^</sup> ndash;0.5%Ge alloy fabricated using ARB process. Keikinzo/Journal of Japan Institute of Light Metals, 2012, 62, 442-447.	0.1	1
98	Aging Behavior of Ultra-Fine Grained Al&ndash;0.5%Si&ndash;0.5%Ge Alloy Fabricated by ARB Process. Materials Transactions, 2014, 55, 249-254.	0.4	1
99	Distribution ozone concentration in Klang Valley using GIS approaches. Journal of Physics: Conference Series, 2017, 852, 012021.	0.3	1
100	Assessment the accessibility of poverty distribution to infrastructure and facilities in Perlis Malaysia. IOP Conference Series: Earth and Environmental Science, 0, 169, 012015.	0.2	1
101	Spatial Multi Criteria Analysis For the Determination of Areas with High Potential Wave Energy. Jurnal Teknologi (Sciences and Engineering), 2013, 65, .	0.3	1
102	The Relation of Neighbouring Land Use Type and Sedimentary Characteristics of Fluvial Sediments in Tropical Rivers. Sains Malaysiana, 2018, 47, 2851-2861.	0.3	1
103	Integrated Facility and Assets Management using GIS-Web Application. IOP Conference Series: Earth and Environmental Science, 2020, 540, 012068.	0.2	1
104	Perancangan dan pengujian pemindahan pengguna melalui simulasi tindakbalas kecemasan 3D. Geografia: Malaysian Journal of Society and Space, 2020, 16, .	0.1	1
105	Effectiveness of a ground sill structure in reducing scouring problem at Cimadur River, Banten Province. IOP Conference Series: Earth and Environmental Science, 2021, 880, 012026.	0.2	1
106	Assessing household perception, autonomous adaptation and economic value of adaptation benefits: Evidence from West Coast of Peninsular Malaysia. Advances in Climate Change Research, 2022, 13, 738-758.	2.1	1
107	Development of RP3CA-EMP, a Knowledge-Based System for Applying Environmental Management Plan (EMP) in the Malaysian Construction Industry. Lecture Notes in Computer Science, 2010, , 22-31.	1.0	0
108	The effect of marine parameters on salinity via statistical approaches. Journal of Physics: Conference Series, 2020, 1489, 012035.	0.3	0

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109	Faktor mempengaruhi kualiti Laporan Penilaian Kesan Alam Sekitar di Malaysia. Geografia: Malaysian Journal of Society and Space, 2021, 17, .	0.1	0
110	Kejituan Datum Carta dalam Tempoh Cerapan Pasang Surut: Kajian Kes di Teluk Ewa, Pulau Langkawi. Jurnal Kejuruteraan, 2015, 27, 103-109.	0.2	0
111	Study the potential of marine energy in the coastal of Selangor and Perak. Jurnal Kejuruteraan, 2017, S, 15-23.	0.2	0
112	Disposal Sites Determination for the Purpose of Solid Waste Management Optimize by using Geographic Information System (Gis). International Journal of Innovative Technology and Exploring Engineering, 2020, 9, 2175-2179.	0.2	0
113	Submerging paddy cultivation area due to coastal flooding in Kuala Kedah, Malaysia. IOP Conference Series: Earth and Environmental Science, 2021, 880, 012015.	0.2	0
114	Water salinity variability mapping for flooded paddy plots at Kuala Kedah, Malaysia. Geografia: Malaysian Journal of Society and Space, 2021, 17, .	0.1	0