

Khairul Nizam Abdul Maulud

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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 | Household external vulnerability due to climate change in Selangor coast of Malaysia. <i>Climate Risk Management</i> , 2022 , 35, 100408 | 4.6 | 1 |
| 96 | Integrated Segmentation Approach with Machine Learning Classifier in Detecting and Mapping Post Selective Logging Impacts Using UAV Imagery. <i>Forests</i> , 2022 , 13, 48 | 2.8 | 3 |
| 95 | 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 | 3.6 | 2 |
| 94 | 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 | 3.5 | 0 |
| 93 | Coastal Vulnerability: A Brief Review on Integrated Assessment in Southeast Asia. <i>Journal of Marine Science and Engineering</i> , 2022 , 10, 595 | 2.4 | 1 |
| 92 | Assessment of Coastal Landscape Along Kelantan Coast Using Geospatial Techniques. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022 , 1019, 012036 | 0.3 | |
| 91 | Households' perceptions and socio-economic determinants of climate change awareness: Evidence from Selangor Coast Malaysia. <i>Journal of Environmental Management</i> , 2022 , 316, 115261 | 7.9 | 0 |
| 90 | Effectiveness of a ground sill structure in reducing scouring problem at Cimadur River, Banten Province. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 880, 012026 | 0.3 | |
| 89 | Submerging paddy cultivation area due to coastal flooding in Kuala Kedah, Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 880, 012015 | 0.3 | |
| 88 | Modeling of Groundwater Potential Using Cloud Computing Platform: A Case Study from Nineveh Plain, Northern Iraq. <i>Water (Switzerland)</i> , 2021 , 13, 3330 | 3 | 1 |
| 87 | Perceived Usefulness of Airborne LiDAR Technology in Road Design and Management: A Review. <i>Sustainability</i> , 2021 , 13, 11773 | 3.6 | 4 |
| 86 | Impact of evacuation design parameter on users' evacuation time using a multi-agent simulation. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 2355-2369 | 4.4 | 1 |
| 85 | Beach Profile Assessment and Erosion Rate Estimation of Monsoonal Coastline Area in Pahang, Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 799, 012005 | 0.3 | 0 |
| 84 | Indoor Environmental Quality towards Classrooms' Comforts Level: Case Study at Malaysian Secondary School Building. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5866 | 2.6 | 2 |
| 83 | Integrating multilayer perceptron neural nets with hybrid ensemble classifiers for deforestation probability assessment in Eastern India. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 29-62 | 3.6 | 11 |
| 82 | Improving Road Semantic Segmentation Using Generative Adversarial Network. <i>IEEE Access</i> , 2021 , 9, 64381-64392 | 3.5 | 14 |
| 81 | 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> , 2021 , 14, 1 | 1.8 | 4 |

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| 80 | Assessment of erosion and hazard in the coastal areas of Selangor. <i>Geografia: Malaysian Journal of Society and Space</i> , 2021 , 17, | 1.9 | 3 |
| 79 | 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 | 3.2 | 1 |
| 78 | Energy Consumption and Spatial Assessment of Renewable Energy Penetration and Building Energy Efficiency in Malaysia: A Review. <i>Sustainability</i> , 2021 , 13, 9244 | 3.6 | 7 |
| 77 | Comparison between Deep Learning and Tree-Based Machine Learning Approaches for Landslide Susceptibility Mapping. <i>Water (Switzerland)</i> , 2021 , 13, 2664 | 3 | 2 |
| 76 | Robustness analysis of machine learning classifiers in predicting spatial gully erosion susceptibility with altered training samples. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 794-828 | 3.6 | 6 |
| 75 | 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> , 2021 , 12, 123-153 | 3.6 | 6 |
| 74 | Forecasting landslides using SIGMA model: a case study from Idukki, India. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 540-559 | 3.6 | 5 |
| 73 | Development of GIS Database for Infrastructure Management: Power Distribution Network System. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 540, 012067 | 0.3 | 3 |
| 72 | El Niño driven haze over the Southern Malaysian Peninsula and Borneo. <i>Science of the Total Environment</i> , 2020 , 730, 139091 | 10.2 | 11 |
| 71 | 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 | 1.2 | 3 |
| 70 | A Review of Southeast Asian Oil Palm and Its CO2 Fluxes. <i>Sustainability</i> , 2020 , 12, 5077 | 3.6 | 19 |
| 69 | The Influence of Deforestation on Land Surface Temperature: A Case Study of Perak and Kedah, Malaysia. <i>Forests</i> , 2020 , 11, 670 | 2.8 | 35 |
| 68 | Urban flash flood index based on historical rainfall events. <i>Sustainable Cities and Society</i> , 2020 , 56, 102088 | 10.1 | 17 |
| 67 | ASSESSMENT OF THE MANGROVE FOREST CHANGES ALONG THE PAHANG COAST USING REMOTE SENSING AND GIS TECHNOLOGY. <i>Journal of Sustainability Science and Management</i> , 2020 , 15, 43-58 | 1.6 | 5 |
| 66 | Trend Of Water Quality Status In Kelantan River Downstream, Peninsular Malaysia 2020 , 16, 178 | | 7 |
| 65 | The effect of marine parameters on salinity via statistical approaches. <i>Journal of Physics: Conference Series</i> , 2020 , 1489, 012035 | 0.3 | |
| 64 | Spatial assessment of land use impact on air quality in mega urban regions, Malaysia. <i>Sustainable Cities and Society</i> , 2020 , 63, 102436 | 10.1 | 16 |
| 63 | Estimating the Impact of Daily Weather on the Temporal Pattern of COVID-19 Outbreak in India. <i>Earth Systems and Environment</i> , 2020 , 4, 1-12 | 7.5 | 22 |

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| 62 | Statistical analysis on physical and chemical parameters and heavy metal in marine water. <i>Journal of Physics: Conference Series</i> , 2020 , 1489, 012036 | 0.3 | 1 |
| 61 | A Review of the Measurement Method, Analysis and Implementation Policy of Carbon Dioxide Emission from Transportation. <i>Sustainability</i> , 2020 , 12, 5873 | 3.6 | 11 |
| 60 | Carbon Emissions from Oil Palm Induced Forest and Peatland Conversion in Sabah and Sarawak, Malaysia. <i>Forests</i> , 2020 , 11, 1285 | 2.8 | 9 |
| 59 | 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 | 3 | 25 |
| 58 | Comprehensive coastal vulnerability assessment and adaptation for Cherating-Pekan coast, Pahang, Malaysia. <i>Ocean and Coastal Management</i> , 2019 , 182, 104948 | 3.9 | 12 |
| 57 | 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> , 2019 , 228, 012018 | 0.3 | 2 |
| 56 | Current and potential impacts of sea level rise in the coastal areas of Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 228, 012023 | 0.3 | 12 |
| 55 | Spatial and temporal risk quotient based river assessment for water resources management. <i>Environmental Pollution</i> , 2019 , 248, 133-144 | 9.3 | 39 |
| 54 | Applications of Drones in Emerging Economies: A case study of Malaysia 2019 , | | 1 |
| 53 | 2019 , | | 1 |
| 52 | 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 | 0.3 | 3 |
| 51 | 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> , 2019 , 650, 1195-1206 | 10.2 | 17 |
| 50 | 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 | 10.2 | 14 |
| 49 | Grease Formulation from Palm Oil Industry Wastes. <i>Waste and Biomass Valorization</i> , 2018 , 9, 2447-2457 | 3.2 | 10 |
| 48 | 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> , 2018 , 613-614, 1401-1416 | 10.2 | 19 |
| 47 | Co-synthesis of large-area graphene and syngas via CVD method from greenhouse gases. <i>Materials Letters</i> , 2018 , 227, 132-135 | 3.3 | 5 |
| 46 | Impact of Shoreline Changes to Pahang Coastal Area by using Geospatial Technology 2018 , 47, 991-997 | | 7 |
| 45 | Impact of Sea Level Rise on the Coastal Ecosystem 2018 , 173-184 | | 1 |

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|----|--|------|----|
| 44 | 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 | 5.1 | 6 |
| 43 | Study of dissolved Copper(II) Speciation at Coastal Water of Peninsular Malaysia. <i>Oriental Journal of Chemistry</i> , 2018 , 34, 1858-1877 | 0.8 | 1 |
| 42 | 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 | 0.3 | 2 |
| 41 | Synthesis and Characterization of Schwertmannite by Neutralization Method. <i>Journal of Physics: Conference Series</i> , 2018 , 1082, 012097 | 0.3 | 1 |
| 40 | Improving Individual Tree Crown Delineation and Attributes Estimation of Tropical Forests Using Airborne LiDAR Data. <i>Forests</i> , 2018 , 9, 759 | 2.8 | 38 |
| 39 | Variation of Beach Profile Along Pahang Coast in Malaysia. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 196 | 0.8 | 0 |
| 38 | Generation of digital elevation model through aerial technique. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018 , 169, 012093 | 0.3 | 3 |
| 37 | 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 | 0.8 | 0 |
| 36 | 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 | 0.8 | 4 |
| 35 | Depiction and analysis of a modified theta shaped double negative metamaterial for satellite application. <i>Open Physics</i> , 2018 , 16, 839-847 | 1.3 | 11 |
| 34 | 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 | 0.3 | 1 |
| 33 | Assessment the accessibility of poverty distribution to infrastructure and facilities in Perlis Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018 , 169, 012015 | 0.3 | |
| 32 | 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 | 1.5 | 3 |
| 31 | An Assessment of Coastal Vulnerability of Pahang Coast Due to Sea Level Rise. <i>International Journal of Engineering and Technology(UAE)</i> , 2018 , 7, 176 | 0.8 | 6 |
| 30 | 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> , 2017 , 24, 15278-15290 | 5.1 | 16 |
| 29 | 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 | 10.2 | 7 |
| 28 | Distribution ozone concentration in Klang Valley using GIS approaches. <i>Journal of Physics: Conference Series</i> , 2017 , 852, 012021 | 0.3 | 1 |
| 27 | 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 | 6 |

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| 26 | 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 | 4.4 | 19 |
| 25 | Volumetric calculation using low cost unmanned aerial vehicle (UAV) approach. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 270, 012032 | 0.4 | 8 |
| 24 | Synthesis of Graphene Flakes over Recovered Copper Etched in Ammonium Persulfate Solution 2017 , 46, 1039-1045 | | 2 |
| 23 | Stakeholders' Response and Perspectives on Flood Disaster of Pahang River Basin. <i>Malaysian Journal of Geosciences</i> , 2017 , 1, 43-49 | 1 | 3 |
| 22 | Comprehensive assessment of PM2.5 physicochemical properties during the Southeast Asia dry season (southwest monsoon). <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 14,589-14,611 | 4.4 | 34 |
| 21 | Wave power potential in Malaysian territorial waters. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016 , 37, 012018 | 0.3 | 5 |
| 20 | Solid waste forecasting using modified ANFIS modeling. <i>Journal of the Air and Waste Management Association</i> , 2015 , 65, 1229-38 | 2.4 | 22 |
| 19 | Prediction of municipal solid waste generation using nonlinear autoregressive network. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 753 | 3.1 | 21 |
| 18 | Determination the impact of sea level rise to shoreline changes using GIS 2015 , | | 3 |
| 17 | Integrating approach to size and site at a sanitary landfill in Selangor state, Malaysia. <i>Environmental Engineering Research</i> , 2015 , 20, 268-276 | 3.6 | 4 |
| 16 | Aging Behavior of Ultra-Fine Grained Al-0.5%Si-0.5%Ge Alloy Fabricated by ARB Process. <i>Materials Transactions</i> , 2014 , 55, 249-254 | 1.3 | 1 |
| 15 | RP3CA: An expert system applied in stormwater management plan for construction sites in Malaysia. <i>Expert Systems With Applications</i> , 2012 , 39, 3692-3701 | 7.8 | 10 |
| 14 | The Effectiveness of basic Design Project (Cornerstone) in Students' Competency Development. <i>Procedia, Social and Behavioral Sciences</i> , 2012 , 60, 56-60 | | 1 |
| 13 | Aging behavior of ultra-fine grained Al-0.5%Si-0.5%Ge alloy fabricated using ARB process. <i>Keikin-zoku/Journal of Japan Institute of Light Metals</i> , 2012 , 62, 442-447 | 0.3 | 1 |
| 12 | Healthy Environment: The Need to Mitigate Urban Heat Island Effects on Human Health. <i>Procedia Engineering</i> , 2011 , 20, 61-70 | | 50 |
| 11 | The Impact of Anthropogenic Heat on Formation of Urban Heat Island and Energy Consumption Balance. <i>Urban Studies Research</i> , 2011 , 2011, 1-9 | | 87 |
| 10 | Technical feasibility studies for Langkawi WCO (waste cooking oil) derived-biodiesel. <i>Energy</i> , 2011 , 36, 1386-1393 | 7.9 | 56 |
| 9 | 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> , 2010 , 22-31 | 0.9 | |

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| 8 | 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 | 2 | 5 |
| 7 | GIS Based Landslide Hazard Mapping Prediction in Ulu Klang, Malaysia. <i>ITB Journal of Science</i> , 2010 , 42, 163-178 | | 5 |
| 6 | Sedimentation and water quality deterioration problems at Terengganu River Basin, Terengganu, Malaysia | 149, 228-241 | 7 |
| 5 | Evolution of river geomorphology to water quality impact using remote sensing and GIS technique | 149, 258-273 | 8 |
| 4 | Integrated Facility and Assets Management using GIS-Web Application. <i>IOP Conference Series: Earth and Environmental Science</i> , 540, 012068 | | 0.3 |
| 3 | 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> , 540, 012015 | | 0.3 4 |
| 2 | 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 |
| 1 | Spatial and Temporal Distribution of Dissolved Oxygen and Suspended Sediment in Kelantan River Basin | | 3 |