

Abdul Rashid Mohamed Shariff

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

839
citations

516681

16
h-index

526264

27
g-index

52
all docs

52
docs citations

52
times ranked

773
citing authors

#	ARTICLE	IF	CITATIONS
1	GIS-based modeling for the spatial measurement and evaluation of mixed land use development for a compact city. <i>GIScience and Remote Sensing</i> , 2015, 52, 18-39.	5.9	117
2	Classification of oil palm fresh fruit bunches based on their maturity using portable four-band sensor system. <i>Computers and Electronics in Agriculture</i> , 2012, 82, 55-60.	7.7	69
3	Maximal service area problem for optimal siting of emergency facilities. <i>International Journal of Geographical Information Science</i> , 2010, 24, 213-230.	4.8	57
4	Support Vector Machine in Precision Agriculture: A review. <i>Computers and Electronics in Agriculture</i> , 2021, 191, 106546.	7.7	54
5	Hyperspectral discrimination of tree species with different classifications using single- and multiple-endmember. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 23, 177-191.	2.8	51
6	Droplet deposition density of organic liquid fertilizer at low altitude UAV aerial spraying in rice cultivation. <i>Computers and Electronics in Agriculture</i> , 2019, 167, 105045.	7.7	49
7	Determination of oil palm fresh fruit bunch ripeness”Based on flavonoids and anthocyanin content. <i>Industrial Crops and Products</i> , 2012, 36, 466-475.	5.2	42
8	The application of internal grading system technologies for agricultural products “ Review. <i>Journal of Food Engineering</i> , 2013, 116, 703-725.	5.2	38
9	Oil palm bunch ripeness classification using fluorescence technique. <i>Journal of Food Engineering</i> , 2012, 113, 534-540.	5.2	30
10	Agriculture land suitability analysis evaluation based multi criteria and GIS approach. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 37, 012044.	0.3	29
11	Internet of Things (IoT)â€based aquaculture: An overview of IoT application on water quality monitoring. <i>Reviews in Aquaculture</i> , 2022, 14, 979-992.	9.0	28
12	A study on the oil palm fresh fruit bunch (FFB) ripeness detection by using Hue, Saturation and Intensity (HSI) approach. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 37, 012039.	0.3	26
13	A review on 3D terrain visualization of GIS data: techniques and software. <i>Geo-Spatial Information Science</i> , 2012, 15, 105-115.	5.3	25
14	Utilizing TVDI and NDWI to Classify Severity of Agricultural Drought in Chuping, Malaysia. <i>Agronomy</i> , 2021, 11, 1243.	3.0	24
15	Recent Methods and Techniques of External Grading Systems for Agricultural Crops Quality Inspection - Review. <i>International Journal of Food Engineering</i> , 2011, 7, .	1.5	20
16	SELECTION OF RAINWATER HARVESTING SITES BY USING REMOTE SENSING AND GIS TECHNIQUES: A CASE STUDY OF KIRKUK, IRAQ. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 76, .	0.4	19
17	Real-time oil palm FFB ripeness grading system based on ANN, KNN and SVM classifiers. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 169, 012067.	0.3	13
18	Machine-Learning Approach Using SAR Data for the Classification of Oil Palm Trees That Are Non-Infected and Infected with the Basal Stem Rot Disease. <i>Agronomy</i> , 2021, 11, 532.	3.0	13

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19	Application of Artificial Neural Network Classification to Determine Nutrient Content in Oil Palm Leaves. <i>Applied Engineering in Agriculture</i> , 2018, 34, 497-504.	0.7	11
20	Monitoring insect pest infestation via different spectroscopic techniques. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 836-853.	6.7	10
21	Hospital Site Suitability Assessment Using Three Machine Learning Approaches: Evidence from the Gaza Strip in Palestine. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11054.	2.5	9
22	Very Rapid Forest Cover Change in Sichuan Province, China: 40 Years of Change Using Images From Declassified Spy Satellites and Landsat. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 10964-10976.	4.9	8
23	Performance Evaluation of Hospital Site Suitability Using Multilayer Perceptron (MLP) and Analytical Hierarchy Process (AHP) Models in Malacca, Malaysia. <i>Sustainability</i> , 2022, 14, 3731.	3.2	8
24	Vegetation Effects on Soil Moisture Retrieval from Water Cloud Model Using PALSAR-2 for Oil Palm Trees. <i>Remote Sensing</i> , 2021, 13, 4023.	4.0	7
25	Classification of Non-Infected and Infected with Basal Stem Rot Disease Using Thermal Images and Imbalanced Data Approach. <i>Agronomy</i> , 2021, 11, 2373.	3.0	7
26	An effective visualization and comparison of online terrain draped with multi-sensor satellite images. <i>Arabian Journal of Geosciences</i> , 2013, 6, 4881-4889.	1.3	6
27	Using SPOT-7 for Nitrogen Fertilizer Management in Oil Palm. <i>Agriculture (Switzerland)</i> , 2020, 10, 133.	3.1	6
28	Developing hydrological model for water quality in Iraq marshes zone using Landsat-TM. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 37, 012073.	0.3	5
29	Spatial data sharing implementation in Malaysia's marine organisations: a case study. <i>Journal of Spatial Science</i> , 2016, 61, 209-216.	1.5	5
30	Automated Identification And Counting Of Pests In The Paddy Fields Using Image Analysis. , 0, , .		4
31	Online 3D Terrain Visualization: A Comparison of Three Different GIS Software. , 2009, , .		4
32	A geospatial model for the optimization grazing management in semi-arid rangeland of Iran. <i>Arabian Journal of Geosciences</i> , 2014, 7, 1101-1114.	1.3	4
33	Influence of tree species complexity on discrimination performance of vegetation Indices. <i>European Journal of Remote Sensing</i> , 2016, 49, 15-37.	3.5	4
34	Ripeness Detection of Oil Palm Fresh Fruit Bunches Using 4-Band Sensors. <i>Advanced Science Letters</i> , 2013, 19, 3468-3472.	0.2	4
35	Estimation of above ground biomass of oil palm trees by PALSAR. , 2012, , .		3
36	Spatial soil analysis using geostatistical analysis and map Algebra. <i>Arabian Journal of Geosciences</i> , 2015, 8, 9775-9788.	1.3	3

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37	Preliminary Study of Variable Rate Application of Organic Liquid Fertilizer by Using SPAD Chlorophyll Meter on System of Rice Intensification (SRI) Cultivation. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 639-649.	1.4	3
38	Plot-Based Classification of Macronutrient Levels in Oil Palm Trees with Landsat-8 Images and Machine Learning. <i>Remote Sensing</i> , 2021, 13, 2029.	4.0	3
39	3D Terrain Visualisation for GIS: A Comparison of Different Techniques. <i>Lecture Notes in Geoinformation and Cartography</i> , 2011, , 265-277.	1.0	3
40	Improving geometric construction of high resolution SAR images using Kriging-based surrogate modelling in mountainous terrain of Malaysia. <i>International Journal of Remote Sensing</i> , 2021, 42, 8624-8639.	2.9	3
41	Application of Optical Spectrometer to Determine Maturity Level of Oil Palm Fresh Fruit Bunches Based on Analysis of the Front Equatorial, Front Basil, Back Equatorial, Back Basil and Apical Parts of the Oil Palm Bunches. <i>Agriculture (Switzerland)</i> , 2021, 11, 1179.	3.1	3
42	Spot-5 multispectral image for 60-75 days of rice mapping. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 20, 012016.	0.3	2
43	Genetic algorithm for investigating flight MH370 in Indian Ocean using remotely sensed data. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 37, 012001.	0.3	2
44	Human leptospirosis distribution pattern analysis in Hulu Langat, Selangor. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 37, 012021.	0.3	2
45	A Four Stage Image Processing Algorithm for Detecting and Counting of Bagworm, <i>Metisa plana</i> Walker (Lepidoptera: Psychidae). <i>Agriculture (Switzerland)</i> , 2021, 11, 1265.	3.1	2
46	An overview of water quality monitoring in IoT based aquaculture.. , 2021, , .		1
47	Oil Palm Fruit Ripeness Grading System Based on Basic Gray Level Aura Matrix Feature Extraction and Support Vector Machine, <i>K</i> Nearest Neighbourhood and Artificial Neural Network Supervised Machine Learning. <i>Advanced Science Letters</i> , 2013, 19, 2612-2614.	0.2	1
48	Recognition System of Oil Palm Fruit Bunch Types Based on Texture Feature and Image Processing Techniques. <i>Advanced Science Letters</i> , 2013, 19, 3441-3444.	0.2	1
49	Comparison of Field and SAR-Derived Descriptors in the Retrieval of Soil Moisture from Oil Palm Crops Using PALSAR-2. <i>Remote Sensing</i> , 2021, 13, 4729.	4.0	1
50	7th IGRSM International Remote Sensing & GIS Conference and Exhibition. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 20, 011001.	0.3	0
51	Oil Palm Fruit Classification Using Spectrometer. <i>Advanced Science Letters</i> , 2013, 19, 2651-2653.	0.2	0
52	Predicting the Vegetation Expansion in Selangor, Malaysia using the NDVI and Cellular Automata Markov Chain. , 0, , .		0