

Aimrun Wayayok

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

839
citations

567281

15
h-index

526287

27
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53
all docs

53
docs citations

53
times ranked

1005
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing Approach of Water Allocation to Off-Takes During Reduced Flows. <i>Water Resources Management</i> , 2022, 36, 891.	3.9	1
2	Comprehensive Vulnerability Assessment of Urban Areas Using an Integration of Fuzzy Logic Functions: Case Study of Nasiriyah City in South Iraq. <i>Earth</i> , 2022, 3, 699-732.	2.2	7
3	Spatio-temporal dynamics of rainfall erosivity due to climate change in Cameron Highlands, Malaysia. <i>Modeling Earth Systems and Environment</i> , 2021, 7, 1847-1861.	3.4	12
4	Effect of Soil Compaction and Palm Oil Application on Soil Infiltration Rate. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, .	1.0	2
5	Dynamics of potential precipitation under climate change scenarios at Cameron highlands, Malaysia. <i>SN Applied Sciences</i> , 2021, 3, 1.	2.9	7
6	Some Emerging Opportunities of Nanotechnology Development for Soilless and Microgreen Farming. <i>Agronomy</i> , 2021, 11, 1213.	3.0	30
7	Utilizing TVDI and NDWI to Classify Severity of Agricultural Drought in Chuping, Malaysia. <i>Agronomy</i> , 2021, 11, 1243.	3.0	24
8	Deep Convolutional Neural Network for Large-Scale Date Palm Tree Mapping from UAV-Based Images. <i>Remote Sensing</i> , 2021, 13, 2787.	4.0	28
9	Spatial Variations in Water-Holding Capacity as Evidence of the Need for Precision Irrigation. <i>Water (Switzerland)</i> , 2021, 13, 2208.	2.7	1
10	Development of an Automated Multidirectional Pest Sampling Detection System Using Motorized Sticky Traps. <i>IEEE Access</i> , 2021, 9, 67391-67404.	4.2	14
11	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
12	Weed Detection in Rice Fields Using Remote Sensing Technique: A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10701.	2.5	11
13	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
14	Temporal Changes Analysis of Soil Properties Associated with <i>Ganoderma boninense</i> Pat. Infection in Oil Palm Seedlings in a Controlled Environment. <i>Agronomy</i> , 2021, 11, 2279.	3.0	2
15	Using scenario modelling for adapting to urbanization and water scarcity: towards a sustainable city in semi-arid areas. <i>Periodicals of Engineering and Natural Sciences</i> , 2021, 10, 518.	0.5	2
16	HYDRUS-1D Simulation of Soil Water Dynamics for Sweet Corn under Tropical Rainfed Condition. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1219.	2.5	12
17	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
18	Uncertainty analysis of rainfall depth duration frequency curves using the bootstrap resampling technique. <i>Journal of Earth System Science</i> , 2019, 128, 1.	1.3	19

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19	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
20	Calibration of the Aquacrop Model to Simulate Sugar Beet Production and Water Productivity under Different Treatments. <i>Applied Engineering in Agriculture</i> , 2019, 35, 211-219.	0.7	3
21	Optimization of vacuum manifold design for seeding of SRI seedling tray. <i>Cogent Engineering</i> , 2019, 6, .	2.2	1
22	Generation of a stochastic precipitation model for the tropical climate. <i>Theoretical and Applied Climatology</i> , 2018, 133, 489-509.	2.8	18
23	Assessment of Nutrient Leaching in Flooded Paddy Rice Field Experiment Using Hydrus-1D. <i>Water (Switzerland)</i> , 2018, 10, 785.	2.7	16
24	An Assessment of the Vertical Movement of Water in a Flooded Paddy Rice Field Experiment Using Hydrus-1D. <i>Water (Switzerland)</i> , 2018, 10, 783.	2.7	15
25	Impacts of climate change on soybean production under different treatments of field experiments considering the uncertainty of general circulation models. <i>Agricultural Water Management</i> , 2018, 205, 63-71.	5.6	29
26	Field Testing of an Automatic Control System for SMART Sprayer. <i>Advanced Science Letters</i> , 2018, 24, 4384-4386.	0.2	0
27	Stochastic modelling of seasonal and yearly rainfalls with low-frequency variability. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 2215-2233.	4.0	8
28	Analysis of meteorological and hydrological droughts in the Niger-South Basin, Nigeria. <i>Global and Planetary Change</i> , 2017, 155, 225-233.	3.5	53
29	Investigation of Salinity Consequences Resulting from Drainage Systems Using Numerical Models. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017, 143, .	1.0	4
30	Leaf chlorophyll and nitrogen dynamics and their relationship to lowland rice yield for site-specific paddy management. <i>Information Processing in Agriculture</i> , 2017, 4, 259-268.	4.1	48
31	The influence of magnetized water on soil water dynamics under drip irrigation systems. <i>Agricultural Water Management</i> , 2017, 180, 70-77.	5.6	18
32	Interceptor Drainage Modelling to Manage High Groundwater Table on the Abyek Plain, Iran. <i>Irrigation and Drainage</i> , 2016, 65, 341-359.	1.7	3
33	Wetting patterns estimation under drip irrigation systems using an enhanced empirical model. <i>Agricultural Water Management</i> , 2016, 176, 203-213.	5.6	43
34	Detection of BPH (brown planthopper) sheath blight in rice farming using multispectral remote sensing. <i>Geomatics, Natural Hazards and Risk</i> , 2016, 7, 237-247.	4.3	10
35	Influence of soil cover on moisture content and weed suppression under system of rice intensification (SRI). <i>Paddy and Water Environment</i> , 2016, 14, 159-167.	1.8	7
36	The effect of pipe collectors in reducing the drainage coefficient rate. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 675-682.	2.1	6

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37	Assessment of Water Application Losses through Irrigation Surveys: A Case Study of Mirpurkhas Subdivision, Jamrao Irrigation Scheme, Sindh, Pakistan. <i>Indian Journal of Science and Technology</i> , 2015, 8, .	0.7	4
38	Response of Nitrogen Content for Some Varieties of Kenaf Fiber (<i>Hibiscus Cannabinus</i> L.) by Applying Different Levels of Potassium, Boron and Zinc. <i>Agriculture and Agricultural Science Procedia</i> , 2014, 2, 375-380.	0.6	3
39	Impact of Mulch on Weed Infestation in System of Rice Intensification (SRI) Farming. <i>Agriculture and Agricultural Science Procedia</i> , 2014, 2, 353-360.	0.6	3
40	Assessment of rice leaf chlorophyll content using visible bands at different growth stages at both the leaf and canopy scale. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 32, 35-45.	2.8	115
41	Assessment of seawater intrusion in Langat basin, Malaysia. <i>Water Management</i> , 2013, 166, 501-515.	1.2	1
42	Relationship between apparent electrical conductivity and soil physical properties in a Malaysian paddy field. <i>Archives of Agronomy and Soil Science</i> , 2012, 58, 155-168.	2.6	7
43	Apparent Electrical Conductivity in Correspondence to Soil Chemical Properties and Plant Nutrients in Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 1447-1461.	1.4	7
44	Spatial Variability of Irrigation Water Percolation Rates and Its Relation to Rice Productivity. <i>American Journal of Applied Sciences</i> , 2010, 7, 51-55.	0.2	6
45	Sugar Beet Performance Affected by Uniformity of N Fertigation. <i>American Journal of Applied Sciences</i> , 2010, 7, 366-370.	0.2	2
46	Relationship between Rice Yield and Apparent Electrical Conductivity of Paddy Soils. <i>American Journal of Applied Sciences</i> , 2010, 7, 63-70.	0.2	16
47	Paddy Field Zone Characterization using Apparent Electrical Conductivity for Rice Precision Farming. <i>International Journal of Agricultural Research</i> , 2010, 6, 10-28.	0.1	11
48	Impact of Sprinkler Irrigation Uniformity on the Variability of Sugar Beet Leaf N Content. <i>International Journal of Soil Science</i> , 2010, 5, 206-215.	0.7	1
49	Pedo-transfer function for saturated hydraulic conductivity of lowland paddy soils. <i>Paddy and Water Environment</i> , 2009, 7, 217-225.	1.8	25
50	Evaluation of Leaf Total Nitrogen Content for Nitrogen Management in a Malaysian Paddy Field by Using Soil Plant Analysis Development Chlorophyll Meter. <i>American Journal of Agricultural and Biological Science</i> , 2009, 4, 278-282.	0.4	22
51	Spatial variability of bulk soil electrical conductivity in a Malaysian paddy field: key to soil management. <i>Paddy and Water Environment</i> , 2007, 5, 113-121.	1.8	30
52	Effective porosity of paddy soils as an estimation of its saturated hydraulic conductivity. <i>Geoderma</i> , 2004, 121, 197-203.	5.1	66
53	Title is missing!. <i>ScienceAsia</i> , 2003, 29, 7.	0.5	6