

Samsuzana Abd Aziz

List of Publications by Year in Descending Order

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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.

33
papers

396
citations

11
h-index

19
g-index

44
ext. papers

576
ext. citations

3.7
avg, IF

4.09
L-index

#	Paper	IF	Citations
33	Sensing Technologies for Measuring Grain Loss during Harvest in Paddy Field: A Review. <i>AgriEngineering</i> , 2022 , 4, 292-310	2.2	2
32	Quality prediction of different pineapple (<i>Ananas comosus</i>) varieties during storage using infrared thermal imaging technique. <i>Food Control</i> , 2022 , 138, 108988	6.2	1
31	Analysis and prediction of the major fatty acids in vegetable oils using dielectric spectroscopy at 580 MHz. <i>PLoS ONE</i> , 2022 , 17, e0268827	3.7	0
30	Introduction of current pollination techniques and factors affecting pollination effectiveness by <i>Elaeidobius kamerunicus</i> in oil palm plantations on regional and global scale: A review. <i>South African Journal of Botany</i> , 2020 , 132, 171-179	2.9	5
29	Principles and recent advances in electronic nose for quality inspection of agricultural and food products. <i>Trends in Food Science and Technology</i> , 2020 , 99, 1-10	15.3	53
28	Exploring the chemical composition, emerging applications, potential uses, and health benefits of durian: A review. <i>Food Control</i> , 2020 , 113, 107189	6.2	12
27	A comparative study on dimensionality reduction of dielectric spectral data for the classification of basal stem rot (BSR) disease in oil palm. <i>Computers and Electronics in Agriculture</i> , 2020 , 170, 105288	6.5	10
26	Pineapple (<i>Ananas comosus</i>): A comprehensive review of nutritional values, volatile compounds, health benefits, and potential food products. <i>Food Research International</i> , 2020 , 137, 109675	7	35
25	Emerging non-destructive thermal imaging technique coupled with chemometrics on quality and safety inspection in food and agriculture. <i>Trends in Food Science and Technology</i> , 2020 , 105, 176-185	15.3	11
24	Uncertainty analysis of rainfall depth duration frequency curves using the bootstrap resampling technique. <i>Journal of Earth System Science</i> , 2019 , 128, 1	1.8	11
23	Dielectric Spectroscopy of Palm Olein During Batch Deep Frying and Their Relation with Degradation Parameters. <i>Journal of Food Science</i> , 2019 , 84, 792-797	3.4	4
22	A Review on Performances Evaluation of Low Power Wide Area Networks Technology. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 343-349	0.2	2
21	Spectral features selection and classification of oil palm leaves infected by Basal stem rot (BSR) disease using dielectric spectroscopy. <i>Computers and Electronics in Agriculture</i> , 2018 , 144, 297-309	6.5	37
20	Generation of a stochastic precipitation model for the tropical climate. <i>Theoretical and Applied Climatology</i> , 2018 , 133, 489-509	3	10
19	Early detection of diseases in plant tissue using spectroscopy [applications and limitations]. <i>Applied Spectroscopy Reviews</i> , 2018 , 53, 36-64	4.5	46
18	Development of classification models for basal stem rot (BSR) disease in oil palm using dielectric spectroscopy. <i>Industrial Crops and Products</i> , 2018 , 124, 99-107	5.9	17
17	Interdigitated Electrode for Degradation Assessment of Palm Olein During Batch Deep Fat Frying. <i>Transactions of the ASABE</i> , 2018 , 61, 15-24	0.9	1

16	Stochastic modelling of seasonal and yearly rainfalls with low-frequency variability. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 2215-2233	3.5	6
15	Lard Detection in Edible Oil Using Dielectric Spectroscopy. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 245-271	0.3	2
14	Distinguishing edible oil using dielectric spectroscopy at microwave frequencies of 8.2-12.1 GHz 2016 ,		1
13	VRT LIQUID FERTILIZER APPLICATOR FOR SOIL NUTRIENT MANAGEMENT. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016 , 78,	1.2	2
12	Study of dielectric permittivity and fatty acid composition for fats and oil in wide frequency spectroscopy measurement at 0.5-10 GHz 2016 ,		1
11	Impedance analysis of <i>Labisia pumila</i> plant water status. <i>Information Processing in Agriculture</i> , 2015 , 2, 161-168	4.2	16
10	Capacitive sensor probe to assess frying oil degradation. <i>Information Processing in Agriculture</i> , 2015 , 2, 142-148	4.2	29
9	Correlation of Moisture Content to Selected Mechanical Properties of Rice Grain Sample. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2015 , 5, 264	1.6	2
8	A NOVEL VARIABLE RATE PNEUMATIC FERTILIZER APPLICATOR. <i>Instrumentation Science and Technology</i> , 2014 , 42, 369-384	1.4	2
7	Calibration and Accuracy Determination of a Microwave Type Sensor for Measuring Grain Flow. <i>Advanced Materials Research</i> , 2014 , 931-932, 1592-1596	0.5	
6	An RFID-based Variable Rate Technology Fertilizer Applicator for Tree Crops. <i>Journal of Applied Sciences</i> , 2013 , 13, 409-415	0.3	1
5	Effects of Operational Variables on Rotary Valve Metering System for a Variable Rate Technology Fertilizer Applicator for Oil Palm. <i>Journal of Applied Sciences</i> , 2013 , 13, 479-484	0.3	
4	Quantifying sub-pixel signature of paddy rice field using an artificial neural network. <i>Computers and Electronics in Agriculture</i> , 2009 , 65, 65-76	6.5	28
3	Improving quality of public domain digital elevation models through data fusion. <i>Biosystems Engineering</i> , 2008 , 101, 293-305	4.8	45
2	Artificial intelligence for spectral classification to identify the basal stem rot disease in oil palm using dielectric spectroscopy measurements. <i>Tropical Plant Pathology</i> , 1	2.5	3
1	Design considerations of variable rate liquid fertilizer applicator for mature oil palm trees. <i>Precision Agriculture</i> , 1	5.6	0