Samsuzana Abd Aziz

List of Publications by Citations

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	Principles and recent advances in electronic nose for quality inspection of agricultural and food products. *Trends in Food Science and Technology*, **2020**, 99, 1-10	15.3	53
32	Early detection of diseases in plant tissue using spectroscopy applications and limitations. *Applied Spectroscopy Reviews*, **2018**, 53, 36-64	4.5	46
31	Improving quality of public domain digital elevation models through data fusion. *Biosystems Engineering*, **2008**, 101, 293-305	4.8	45
30	Spectral features selection and classification of oil palm leaves infected by Basal stem rot (BSR) disease using dielectric spectroscopy. *Computers and Electronics in Agriculture*, **2018**, 144, 297-309	6.5	37
29	Pineapple (Ananas comosus): A comprehensive review of nutritional values, volatile compounds, health benefits, and potential food products. *Food Research International*, **2020**, 137, 109675	7	35
28	Capacitive sensor probe to assess frying oil degradation. *Information Processing in Agriculture*, **2015**, 2, 142-148	4.2	29
27	Quantifying sub-pixel signature of paddy rice field using an artificial neural network. *Computers and Electronics in Agriculture*, **2009**, 65, 65-76	6.5	28
26	Development of classification models for basal stem rot (BSR) disease in oil palm using dielectric spectroscopy. *Industrial Crops and Products*, **2018**, 124, 99-107	5.9	17
25	Impedance analysis of Labisia pumila plant water status. *Information Processing in Agriculture*, **2015**, 2, 161-168	4.2	16
24	Exploring the chemical composition, emerging applications, potential uses, and health benefits of durian: A review. *Food Control*, **2020**, 113, 107189	6.2	12
23	Uncertainty analysis of rainfall depth duration frequency curves using the bootstrap resampling technique. *Journal of Earth System Science*, **2019**, 128, 1	1.8	11
22	Emerging non-destructive thermal imaging technique coupled with chemometrics on quality and safety inspection in food and agriculture. *Trends in Food Science and Technology*, **2020**, 105, 176-185	15.3	11
21	A comparative study on dimensionality reduction of dielectric spectral data for the classification of basal stem rot (BSR) disease in oil palm. *Computers and Electronics in Agriculture*, **2020**, 170, 105288	6.5	10
20	Generation of a stochastic precipitation model for the tropical climate. *Theoretical and Applied Climatology*, **2018**, 133, 489-509	3	10
19	Stochastic modelling of seasonal and yearly rainfalls with low-frequency variability. *Stochastic Environmental Research and Risk Assessment*, **2017**, 31, 2215-2233	3.5	6
18	Introduction of current pollination techniques and factors affecting pollination effectiveness by Elaeidobius kamerunicus in oil palm plantations on regional and global scale: A review. *South African Journal of Botany*, **2020**, 132, 171-179	2.9	5
17	Dielectric Spectroscopy of Palm Olein During Batch Deep Frying and Their Relation with Degradation Parameters. *Journal of Food Science*, **2019**, 84, 792-797	3.4	4

List of Publications

16	Artificial intelligence for spectral classification to identify the basal stem rot disease in oil palm using dielectric spectroscopy measurements. *Tropical Plant Pathology*,1	2.5	3
15	A Review on Performances Evaluation of Low Power Wide Area Networks Technology. *Lecture Notes in Electrical Engineering*, **2019**, 343-349	0.2	2
14	A NOVEL VARIABLE RATE PNEUMATIC FERTILIZER APPLICATOR. *Instrumentation Science and Technology*, **2014**, 42, 369-384	1.4	2
13	Lard Detection in Edible Oil Using Dielectric Spectroscopy. *Smart Sensors, Measurement and Instrumentation*, **2017**, 245-271	0.3	2
12	Correlation of Moisture Content to Selected Mechanical Properties of Rice Grain Sample. *International Journal on Advanced Science, Engineering and Information Technology*, **2015**, 5, 264	1.6	2
11	VRT LIQUID FERTILIZER APPLICATOR FOR SOIL NUTRIENT MANAGEMENT. *Jurnal Teknologi (Sciences and Engineering)*, **2016**, 78,	1.2	2
10	Sensing Technologies for Measuring Grain Loss during Harvest in Paddy Field: A Review. *AgriEngineering*, **2022**, 4, 292-310	2.2	2
9	Distinguishing edible oil using dielectric spectroscopy at microwave frequencies of 8.2–12.1 GHz **2016**,		1
8	An RFID-based Variable Rate Technology Fertilizer Applicator for Tree Crops. *Journal of Applied Sciences*, **2013**, 13, 409-415	0.3	1
7	Study of dielectric permittivity and fatty acid composition for fats and oil in wide frequency spectroscopy measurement at 0.5–30 GHz **2016**,		1
6	Interdigitated Electrode for Degradation Assessment of Palm Olein During Batch Deep Fat Frying. *Transactions of the ASABE*, **2018**, 61, 15-24	0.9	1
5	Quality prediction of different pineapple (Ananas comosus) varieties during storage using infrared thermal imaging technique. *Food Control*, **2022**, 138, 108988	6.2	1
4	Design considerations of variable rate liquid fertilizer applicator for mature oil palm trees. *Precision Agriculture*,1	5.6	0
3	Analysis and prediction of the major fatty acids in vegetable oils using dielectric spectroscopy at 5–30 MHz. *PLoS ONE*, **2022**, 17, e0268827	3.7	0
2	Calibration and Accuracy Determination of a Microwave Type Sensor for Measuring Grain Flow. *Advanced Materials Research*, **2014**, 931-932, 1592-1596	0.5	
1	Effects of Operational Variables on Rotary Valve Metering System for a Variable Rate Technology Fertilizer Applicator for Oil Palm. *Journal of Applied Sciences*, **2013**, 13, 479-484	0.3	