

# Samsuzana Abd Aziz

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

801  
citations

623734  
14  
h-index

526287  
27  
g-index

44  
all docs

44  
docs citations

44  
times ranked

842  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	15.1	160
2	Pineapple ( <i>Ananas comosus</i> ): A comprehensive review of nutritional values, volatile compounds, health benefits, and potential food products. Food Research International, 2020, 137, 109675.	6.2	95
3	Early detection of diseases in plant tissue using spectroscopy – applications and limitations. Applied Spectroscopy Reviews, 2018, 53, 36-64.	6.7	77
4	Improving quality of public domain digital elevation models through data fusion. Biosystems Engineering, 2008, 101, 293-305.	4.3	60
5	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.	7.7	59
6	Capacitive sensor probe to assess frying oil degradation. Information Processing in Agriculture, 2015, 2, 142-148.	4.1	40
7	Quantifying sub-pixel signature of paddy rice field using an artificial neural network. Computers and Electronics in Agriculture, 2009, 65, 65-76.	7.7	33
8	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.	15.1	29
9	Development of classification models for basal stem rot (BSR) disease in oil palm using dielectric spectroscopy. Industrial Crops and Products, 2018, 124, 99-107.	5.2	27
10	Exploring the chemical composition, emerging applications, potential uses, and health benefits of durian: A review. Food Control, 2020, 113, 107189.	5.5	23
11	Impedance analysis of <i>Labisia pumila</i> plant water status. Information Processing in Agriculture, 2015, 2, 161-168.	4.1	19
12	Uncertainty analysis of rainfall depth duration frequency curves using the bootstrap resampling technique. Journal of Earth System Science, 2019, 128, 1.	1.3	19
13	Generation of a stochastic precipitation model for the tropical climate. Theoretical and Applied Climatology, 2018, 133, 489-509.	2.8	18
14	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.	7.7	17
15	Introduction of current pollination techniques and factors affecting pollination effectiveness by <i>Elaeodorus kamerunicus</i> in oil palm plantations on regional and global scale: A review. South African Journal of Botany, 2020, 132, 171-179.	2.5	11
16	Sensing Technologies for Measuring Grain Loss during Harvest in Paddy Field: A Review. AgriEngineering, 2022, 4, 292-310.	3.2	11
17	Quality prediction of different pineapple ( <i>Ananas comosus</i> ) varieties during storage using infrared thermal imaging technique. Food Control, 2022, 138, 108988.	5.5	10
18	Stochastic modelling of seasonal and yearly rainfalls with low-frequency variability. Stochastic Environmental Research and Risk Assessment, 2017, 31, 2215-2233.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Dielectric Spectroscopy of Palm Olein During Batch Deep Frying and Their Relation with Degradation Parameters. Journal of Food Science, 2019, 84, 792-797.	3.1	8
20	Artificial intelligence for spectral classification to identify the basal stem rot disease in oil palm using dielectric spectroscopy measurements. Tropical Plant Pathology, 2022, 47, 140-151.	1.5	8
21	Correlation of Moisture Content to Selected Mechanical Properties of Rice Grain Sample. International Journal on Advanced Science, Engineering and Information Technology, 2015, 5, 264.	0.4	8
22	Design considerations of variable rate liquid fertilizer applicator for mature oil palm trees. Precision Agriculture, 2022, 23, 1413-1448.	6.0	7
23	A NOVEL VARIABLE RATE PNEUMATIC FERTILIZER APPLICATOR. Instrumentation Science and Technology, 2014, 42, 369-384.	1.8	6
24	HOMOGENEITY ANALYSIS OF RAINFALL IN KELANTAN, MALAYSIA. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 9	0.4	6
25	Study of dielectric permittivity and fatty acid composition for fats and oil in wide frequency spectroscopy measurement at 0.5â€“50 GHz. , 2016, , .		6
26	Characterisation of Pineapple Cultivars under Different Storage Conditions Using Infrared Thermal Imaging Coupled with Machine Learning Algorithms. Agriculture (Switzerland), 2022, 12, 1013.	3.1	5
27	Analysis and prediction of the major fatty acids in vegetable oils using dielectric spectroscopy at 5â€“30 MHz. PLoS ONE, 2022, 17, e0268827.	2.5	4
28	Ultrasonic Sensing for Corn Plant Canopy Characterization. , 2004, , .		3
29	Interdigitated Electrode for Degradation Assessment of Palm Olein During Batch Deep Fat Frying. Transactions of the ASABE, 2018, 61, 15-24.	1.1	3
30	A Review on Performances Evaluation of Low Power Wide Area Networks Technology. Lecture Notes in Electrical Engineering, 2019, , 343-349.	0.4	3
31	Development of smartphone-based imaging techniques for the estimation of chlorophyll content in lettuce leaves. Food Research, 2021, 5, 33-38.	0.8	3
32	Distinguishing edible oil using dielectric spectroscopy at microwave frequencies of 8.2â€“12.1 GHz. , 2016, , .		3
33	Distributed Virtual Reality Simulation Assisted Steering Controller Design for Off Road Vehicle and Implement Tracking. , 2007, , .		2
34	A process variation aware system-level framework to model on-chip communication system in support of fault tolerant analysis. , 2009, , .		2
35	VRT LIQUID FERTILIZER APPLICATOR FOR SOIL NUTRIENT MANAGEMENT. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Ov	0.4	2
36	Lard Detection in Edible Oil Using Dielectric Spectroscopy. Smart Sensors, Measurement and Instrumentation, 2017, , 245-271.	0.6	2

#	ARTICLE	IF	CITATIONS
37	Calibration and Accuracy Determination of a Microwave Type Sensor for Measuring Grain Flow. Advanced Materials Research, 0, 931-932, 1592-1596.	0.3	1
38	Capacitive sensing system for frying oil assessment during heating. , 2015, , .		1
39	An RFID-based Variable Rate Technology Fertilizer Applicator for Tree Crops. Journal of Applied Sciences, 2013, 13, 409-415.	0.3	1
40	Performance Evaluation of Yield Monitoring System for Rice Combine Harvester in Selangor, Malaysia. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 35.	0.4	1
41	Development of Agricultural Field DEM Using Repeated GPS Measurements from Field Operations: Effects of Sampling Intensity and Pattern. , 2007, , .		0
42	Targeted Sampling of Elevation Data Based on Spatial Uncertainty of Prior Measurements. , 2008, , .		0
43	Portable biosensor for chronic malaria detection. , 2016, , .		0
44	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	0