

# Samsuzana Abd Aziz

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

801  
citations

623188

14  
h-index

525886

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. <i>Trends in Food Science and Technology</i> , 2020, 99, 1-10.	7.8	160
2	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.	2.9	95
3	Early detection of diseases in plant tissue using spectroscopy – applications and limitations. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 36-64.	3.4	77
4	Improving quality of public domain digital elevation models through data fusion. <i>Biosystems Engineering</i> , 2008, 101, 293-305.	1.9	60
5	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.	3.7	59
6	Capacitive sensor probe to assess frying oil degradation. <i>Information Processing in Agriculture</i> , 2015, 2, 142-148.	2.9	40
7	Quantifying sub-pixel signature of paddy rice field using an artificial neural network. <i>Computers and Electronics in Agriculture</i> , 2009, 65, 65-76.	3.7	33
8	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.	7.8	29
9	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.	2.5	27
10	Exploring the chemical composition, emerging applications, potential uses, and health benefits of durian: A review. <i>Food Control</i> , 2020, 113, 107189.	2.8	23
11	Impedance analysis of <i>Labisia pumila</i> plant water status. <i>Information Processing in Agriculture</i> , 2015, 2, 161-168.	2.9	19
12	Uncertainty analysis of rainfall depth duration frequency curves using the bootstrap resampling technique. <i>Journal of Earth System Science</i> , 2019, 128, 1.	0.6	19
13	Generation of a stochastic precipitation model for the tropical climate. <i>Theoretical and Applied Climatology</i> , 2018, 133, 489-509.	1.3	18
14	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.	3.7	17
15	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.	1.2	11
16	Sensing Technologies for Measuring Grain Loss during Harvest in Paddy Field: A Review. <i>AgriEngineering</i> , 2022, 4, 292-310.	1.7	11
17	Quality prediction of different pineapple ( <i>Ananas comosus</i> ) varieties during storage using infrared thermal imaging technique. <i>Food Control</i> , 2022, 138, 108988.	2.8	10
18	Stochastic modelling of seasonal and yearly rainfalls with low-frequency variability. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 2215-2233.	1.9	8

#	ARTICLE	IF	CITATIONS
19	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.	1.5	8
20	Artificial intelligence for spectral classification to identify the basal stem rot disease in oil palm using dielectric spectroscopy measurements. <i>Tropical Plant Pathology</i> , 2022, 47, 140-151.	0.8	8
21	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.	0.2	8
22	Design considerations of variable rate liquid fertilizer applicator for mature oil palm trees. <i>Precision Agriculture</i> , 2022, 23, 1413-1448.	3.1	7
23	A NOVEL VARIABLE RATE PNEUMATIC FERTILIZER APPLICATOR. <i>Instrumentation Science and Technology</i> , 2014, 42, 369-384.	0.9	6
24	HOMOGENEITY ANALYSIS OF RAINFALL IN KELANTAN, MALAYSIA. <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 9	0.3	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. <i>Agriculture (Switzerland)</i> , 2022, 12, 1013.	1.4	5
27	Analysis and prediction of the major fatty acids in vegetable oils using dielectric spectroscopy at 5â€“30 MHz. <i>PLoS ONE</i> , 2022, 17, e0268827.	1.1	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. <i>Transactions of the ASABE</i> , 2018, 61, 15-24.	1.1	3
30	A Review on Performances Evaluation of Low Power Wide Area Networks Technology. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 343-349.	0.3	3
31	Development of smartphone-based imaging techniques for the estimation of chlorophyll content in lettuce leaves. <i>Food Research</i> , 2021, 5, 33-38.	0.3	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. <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq1 1 0.784314 rgBT /Dv	0.3	2
36	Lard Detection in Edible Oil Using Dielectric Spectroscopy. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017, , 245-271.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Calibration and Accuracy Determination of a Microwave Type Sensor for Measuring Grain Flow. <i>Advanced Materials Research</i> , 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. <i>Journal of Applied Sciences</i> , 2013, 13, 409-415.	0.1	1
40	Performance Evaluation of Yield Monitoring System for Rice Combine Harvester in Selangor, Malaysia. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2016, 6, 35.	0.2	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. <i>Journal of Applied Sciences</i> , 2013, 13, 479-484.	0.1	0