

# Khwantri Saengprachatanarug

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

320  
citations

840776

11  
h-index

888059

17  
g-index

29  
all docs

29  
docs citations

29  
times ranked

225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction and Classification of Energy Content in Growing Cane Stalks for Breeding Programmes Using Visible and Shortwave Near Infrared. <i>Sugar Tech</i> , 2022, 24, 1497-1509.	1.8	5
2	Optimal models under multiple resource types for Brix content prediction in sugarcane fields using machine learning. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 26, 100718.	1.5	1
3	Achieving robustness across different ages and cultivars for an NIRS-PLSR model of fresh cassava root starch and dry matter content. <i>Computers and Electronics in Agriculture</i> , 2022, 196, 106872.	7.7	18
4	Rapid elemental composition measurement of commercial pellets using line-scan hyperspectral imaging analysis. <i>Energy</i> , 2021, 220, 119698.	8.8	10
5	A Low-Cost System for Moisture Content Detection of Bagasse upon a Conveyor Belt with Multispectral Image and Various Machine Learning Methods. <i>Processes</i> , 2021, 9, 777.	2.8	3
6	Modified specific gravity method for estimation of starch content and dry matter in cassava. <i>Heliyon</i> , 2021, 7, e07450.	3.2	11
7	Progressive Web App for Crop Field Data Collection. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1163, 012018.	0.6	1
8	Non-destructive and rapid measurement of sugar content in growing cane stalks for breeding programmes using visible-near infrared spectroscopy. <i>Biosystems Engineering</i> , 2020, 197, 76-90.	4.3	17
9	In-field measurement of starch content of cassava tubers using handheld vis-near infrared spectroscopy implemented for breeding programmes. <i>Computers and Electronics in Agriculture</i> , 2020, 175, 105607.	7.7	16
10	Predicting Marian Plum Fruit Quality without Environmental Condition Impact by Handheld Visible-Near-Infrared Spectroscopy. <i>ACS Omega</i> , 2020, 5, 27909-27921.	3.5	9
11	Spatial mapping of Brix and moisture content in sugarcane stalk using hyperspectral imaging. <i>Journal of Near Infrared Spectroscopy</i> , 2020, 28, 167-174.	1.5	12
12	Sugar Yield Parameters and Fiber Prediction in Sugarcane Fields Using a Multispectral Camera Mounted on a Small Unmanned Aerial System (UAS). <i>Sugar Tech</i> , 2020, 22, 605-621.	1.8	18
13	Development of sugarcane and trash identification system in sugar production using hyperspectral imaging. <i>Journal of Near Infrared Spectroscopy</i> , 2020, 28, 133-139.	1.5	5
14	Selection of proper combine harvesters to field conditions by an effective field capacity prediction model. <i>International Journal of Agricultural and Biological Engineering</i> , 2020, 13, 125-134.	0.6	1
15	Two Different Portables Visible-Near Infrared and Shortwave Infrared Region for On-Tree Measurement of Soluble Solid Content of Marian Plum Fruit. <i>Engineering Journal</i> , 2020, 24, 227-236.	1.0	1
16	Prediction of the fibre content of sugarcane stalk by direct scanning using visible-shortwave near infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2019, 101, 71-80.	2.2	23
17	Bioconversion of <i>Saccharum officinarum</i> Leaves for Ethanol Production Using Separate Hydrolysis and Fermentation Processes. <i>Waste and Biomass Valorization</i> , 2019, 10, 817-825.	3.4	13
18	Effects of Waxy Types of a Sugarcane Stalk Surface on the Spectral Characteristics of Visible-Shortwave Near Infrared Measurement. <i>Engineering Journal</i> , 2019, 23, 13-24.	1.0	4

#	ARTICLE	IF	CITATIONS
19	Effect of metering device arrangement to discharge consistency of sugarcane billet planter. Engineering in Agriculture, Environment and Food, 2018, 11, 139-144.	0.5	7
20	Design of an Automatic Steering System in a Small Farm Tractor. , 2018, , .		3
21	Polyvinyl Alcohol (PVA)/Starch Bioactive Packaging Film Enriched with Antioxidants from Spent Coffee Ground and Citric Acid. Journal of Polymers and the Environment, 2018, 26, 3762-3772.	5.0	55
22	A portable near infrared spectrometer as a non-destructive tool for rapid screening of solid density stalk in a sugarcane breeding program. Sensing and Bio-Sensing Research, 2018, 20, 34-40.	4.2	17
23	Effect of waxy material and measurement position of a sugarcane stalk on the rapid determination of Pol value using a portable near infrared instrument. Journal of Near Infrared Spectroscopy, 2018, 26, 287-296.	1.5	18
24	Electrical Energy Consumption and Energy Conservation of Rice Mills in the Northeastern of Thailand. Engineering Journal, 2017, 21, 73-82.	1.0	3
25	Comparative Discharge and Precision Index of a Sugar Cane Billet Planter. Applied Engineering in Agriculture, 2016, 32, 561-567.	0.7	5
26	Modeling of soil displacement and soil strain distribution under a traveling wheel. Journal of Terramechanics, 2013, 50, 5-16.	3.1	6
27	Direct Sugar Content Analysis for Whole Stalk Sugarcane Using a Portable near Infrared Instrument. Journal of Near Infrared Spectroscopy, 2013, 21, 281-287.	1.5	26
28	Networking System Employing near Infrared Spectroscopy for Sugarcane Payment in Japan. Journal of Near Infrared Spectroscopy, 2013, 21, 477-483.	1.5	12