Khwantri Saengprachatanarug

List of Publications by Year
in descending order

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	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
2	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
3	Prediction of the fibre content of sugarcane stalk by direct scanning using visible-shortwave near infrared spectroscopy. Vibrational Spectroscopy, 2019, 101, 71-80.	2.2	23
4	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
5	Sugar Yield Parameters and Fiber Prediction in Sugarcane Fields Using a Multispectral Camera Mounted on a Small Unmanned Aerial System (UAS). Sugar Tech, 2020, 22, 605-621.	1.8	18
6	Achieving robustness across different ages and cultivars for an NIRS-PLSR model of fresh cassava root starch and dry matter content. Computers and Electronics in Agriculture, 2022, 196, 106872.	7.7	18
7	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
8	Non-destructive and rapid measurement of sugar content in growing cane stalks for breeding programmes using visible-near infrared spectroscopy. Biosystems Engineering, 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. Computers and Electronics in Agriculture, 2020, 175, 105607.	7.7	16
10	Bioconversion of Saccharum officinarum Leaves for Ethanol Production Using Separate Hydrolysis and Fermentation Processes. Waste and Biomass Valorization, 2019, 10, 817-825.	3.4	13
11	Networking System Employing near Infrared Spectroscopy for Sugarcane Payment in Japan. Journal of Near Infrared Spectroscopy, 2013, 21, 477-483.	1.5	12
12	Spatial mapping of Brix and moisture content in sugarcane stalk using hyperspectral imaging. Journal of Near Infrared Spectroscopy, 2020, 28, 167-174.	1.5	12
13	Modified specific gravity method for estimation of starch content and dry matter in cassava. Heliyon, 2021, 7, e07450.	3.2	11
14	Rapid elemental composition measurement of commercial pellets using line-scan hyperspectral imaging analysis. Energy, 2021, 220, 119698.	8.8	10
15	Predicting Marian Plum Fruit Quality without Environmental Condition Impact by Handheld Visibleâ€“Near-Infrared Spectroscopy. ACS Omega, 2020, 5, 27909-27921.	3.5	9
16	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
17	Modeling of soil displacement and soil strain distribution under a traveling wheel. Journal of Terramechanics, 2013, 50, 5-16.	3.1	6
18	Comparative Discharge and Precision Index of a Sugar Cane Billet Planter. Applied Engineering in Agriculture, 2016, 32, 561-567.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Development of sugarcane and trash identification system in sugar production using hyperspectral imaging. Journal of Near Infrared Spectroscopy, 2020, 28, 133-139.	1.5	5
20	Prediction and Classification of Energy Content in Growing Cane Stalks for Breeding Programmes Using Visible and Shortwave Near Infrared. Sugar Tech, 2022, 24, 1497-1509.	1.8	5
21	Effects of Waxy Types of a Sugarcane Stalk Surface on the Spectral Characteristics of Visible-Shortwave Near Infrared Measurement. Engineering Journal, 2019, 23, 13-24.	1.0	4
22	Design of an Automatic Steering System in a Small Farm Tractor. , 2018, , .		3
23	A Low-Cost System for Moisture Content Detection of Bagasse upon a Conveyor Belt with Multispectral Image and Various Machine Learning Methods. Processes, 2021, 9, 777.	2.8	3
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	Progressive Web App for Crop Field Data Collection. IOP Conference Series: Materials Science and Engineering, 2021, 1163, 012018.	0.6	1
26	Selection of proper combine harvesters to field conditions by an effective field capacity prediction model. International Journal of Agricultural and Biological Engineering, 2020, 13, 125-134.	0.6	1
27	Two Different Portables Visible-Near Infrared and Shortwave Infrared Region for On-Tree Measurement of Soluble Solid Content of Marian Plum Fruit. Engineering Journal, 2020, 24, 227-236.	1.0	1
28	Optimal models under multiple resource types for Brix content prediction in sugarcane fields using machine learning. Remote Sensing Applications: Society and Environment, 2022, 26, 100718.	1.5	1