Jetsada Posom

List of Publications by Year
in descending order

30 papers	404 citations	687363 13 h-index	839539 18 g-index
30 all docs	30 docs citations	30 times ranked	236 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. Sugar Tech, 2022, 24, 1497-1509.	1.8	5
2	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
3	Machine Learning-Based Prediction of Selected Parameters of Commercial Biomass Pellets Using Line Scan Near Infrared-Hyperspectral Image. Processes, 2021, 9, 316.	2.8	14
4	Rapid elemental composition measurement of commercial pellets using line-scan hyperspectral imaging analysis. Energy, 2021, 220, 119698.	8.8	10
5	Green synthesis of nanosilver coating on paper for ripening delay of fruits under visible light. Journal of Environmental Chemical Engineering, 2021, 9, 105094.	6.7	13
6	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
7	Modified specific gravity method for estimation of starch content and dry matter in cassava. Heliyon, 2021, 7, e07450.	3.2	11
8	Improvement of proximate data and calorific value assessment of bamboo through near infrared wood chips acquisition. Renewable Energy, 2020, 147, 1921-1931.	8.9	27
9	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
10	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
11	Predicting Marian Plum Fruit Quality without Environmental Condition Impact by Handheld Visible–Near-Infrared Spectroscopy. ACS Omega, 2020, 5, 27909-27921.	3.5	9
12	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
13	Comparison of Analytical Ability of PLS and SVM Algorithm in Estimation of Moisture Content, Higher Heating Value, and Lower Heating Value of Cassava Rhizome Ground using FT-NIR Spectroscopy. IOP Conference Series: Earth and Environmental Science, 2019, 301, 012032.	0.3	3
14	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
15	On-line measurement of activation energy of ground bamboo using near infrared spectroscopy. Renewable Energy, 2019, 133, 480-488.	8.9	11
16	Gross calorific and ash content assessment of recycled sawdust from mushroom cultivation using near infrared spectroscopy. MATEC Web of Conferences, 2018, 192, 03021.	0.2	2
17	Gross calorific value estimation for milled maize cob biomass using near infrared spectroscopy. MATEC Web of Conferences, 2018, 192, 03022.	0.2	1
18	Precision test for spectral characteristic of NIR spectroscopy and bomb calorimeter for measuring higher heating value of Leucaena Leucocephala. MATEC Web of Conferences, 2018, 192, 03049.	0.2	0

#	Article	IF	Citations
19	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
20	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
21	A new creep model for studying the non-linear viscoelastic behavior of cooked white, brown and germinated brown Thai jasmine rice by large deformation testing. Heliyon, 2018, 4, e00745.	3.2	2
22	The Prediction of Higher Heating Value, Lower Heating Value and Ash Content of rice Husk Using FT-NIR Spectroscopy. Engineering Journal, 2018, 22, 45-56.	1.0	14
23	Evaluation of lower heating value and elemental composition of bamboo using near infrared spectroscopy. Energy, 2017, 121, 147-158.	8.8	33
24	Evaluation of the higher heating value, volatile matter, fixed carbon and ash content of ground bamboo using near infrared spectroscopy. Journal of Near Infrared Spectroscopy, 2017, 25, 301-310.	1.5	17
25	Evaluation of pyrolysis characteristics of milled bamboo using near-infrared spectroscopy. Renewable Energy, 2017, 103, 653-665.	8.9	17
26	Rapid non-destructive evaluation of moisture content and higher heating value of Leucaena leucocephala pellets using near infrared spectroscopy. Energy, 2016, 107, 464-472.	8.8	46
27	Evaluation of the moisture content of Jatropha curcas kernels and the heating value of the oil-extracted residue using near-infrared spectroscopy. Biosystems Engineering, 2015, 130, 52-59.	4.3	16
28	Evaluation of the thermal properties of Jatropha curcas L. kernels using near-infrared spectroscopy. Biosystems Engineering, 2014, 125, 45-53.	4.3	10
29	Thermal properties of Jatropha curcas L. kernels. Biosystems Engineering, 2012, 113, 402-409.	4.3	10
30	Rapid Evaluation of Biomass Properties Used for Energy Purposes Using Near-Infrared Spectroscopy. , 0, , .		3