

# Jetsada Posom

## List of Publications by Year in descending order

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30  
papers

404  
citations

687363

13  
h-index

839539

18  
g-index

30  
all docs

30  
docs citations

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times ranked

236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid non-destructive evaluation of moisture content and higher heating value of <i>Leucaena leucocephala</i> pellets using near infrared spectroscopy. <i>Energy</i> , 2016, 107, 464-472.	8.8	46
2	Evaluation of lower heating value and elemental composition of bamboo using near infrared spectroscopy. <i>Energy</i> , 2017, 121, 147-158.	8.8	33
3	Improvement of proximate data and calorific value assessment of bamboo through near infrared wood chips acquisition. <i>Renewable Energy</i> , 2020, 147, 1921-1931.	8.9	27
4	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
5	Effect of waxy material and measurement position of a sugarcane stalk on the rapid determination of Pol value using a portable near infrared instrument. <i>Journal of Near Infrared Spectroscopy</i> , 2018, 26, 287-296.	1.5	18
6	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
7	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
8	Evaluation of the higher heating value, volatile matter, fixed carbon and ash content of ground bamboo using near infrared spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2017, 25, 301-310.	1.5	17
9	Evaluation of pyrolysis characteristics of milled bamboo using near-infrared spectroscopy. <i>Renewable Energy</i> , 2017, 103, 653-665.	8.9	17
10	A portable near infrared spectrometer as a non-destructive tool for rapid screening of solid density stalk in a sugarcane breeding program. <i>Sensing and Bio-Sensing Research</i> , 2018, 20, 34-40.	4.2	17
11	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
12	Evaluation of the moisture content of <i>Jatropha curcas</i> kernels and the heating value of the oil-extracted residue using near-infrared spectroscopy. <i>Biosystems Engineering</i> , 2015, 130, 52-59.	4.3	16
13	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
14	Machine Learning-Based Prediction of Selected Parameters of Commercial Biomass Pellets Using Line Scan Near Infrared-Hyperspectral Image. <i>Processes</i> , 2021, 9, 316.	2.8	14
15	The Prediction of Higher Heating Value, Lower Heating Value and Ash Content of rice Husk Using FT-NIR Spectroscopy. <i>Engineering Journal</i> , 2018, 22, 45-56.	1.0	14
16	Green synthesis of nanosilver coating on paper for ripening delay of fruits under visible light. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105094.	6.7	13
17	On-line measurement of activation energy of ground bamboo using near infrared spectroscopy. <i>Renewable Energy</i> , 2019, 133, 480-488.	8.9	11
18	Modified specific gravity method for estimation of starch content and dry matter in cassava. <i>Heliyon</i> , 2021, 7, e07450.	3.2	11

#	ARTICLE	IF	CITATIONS
19	Thermal properties of <i>Jatropha curcas</i> L. kernels. <i>Biosystems Engineering</i> , 2012, 113, 402-409.	4.3	10
20	Evaluation of the thermal properties of <i>Jatropha curcas</i> L. kernels using near-infrared spectroscopy. <i>Biosystems Engineering</i> , 2014, 125, 45-53.	4.3	10
21	Rapid elemental composition measurement of commercial pellets using line-scan hyperspectral imaging analysis. <i>Energy</i> , 2021, 220, 119698.	8.8	10
22	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
23	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
24	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. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 301, 012032.	0.3	3
25	Rapid Evaluation of Biomass Properties Used for Energy Purposes Using Near-Infrared Spectroscopy. , 0, , .		3
26	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
27	Gross calorific and ash content assessment of recycled sawdust from mushroom cultivation using near infrared spectroscopy. <i>MATEC Web of Conferences</i> , 2018, 192, 03021.	0.2	2
28	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. <i>Heliyon</i> , 2018, 4, e00745.	3.2	2
29	Gross calorific value estimation for milled maize cob biomass using near infrared spectroscopy. <i>MATEC Web of Conferences</i> , 2018, 192, 03022.	0.2	1
30	Precision test for spectral characteristic of NIR spectroscopy and bomb calorimeter for measuring higher heating value of <i>Leucaena Leucocephala</i> . <i>MATEC Web of Conferences</i> , 2018, 192, 03049.	0.2	0