

Kim Seng Chia

List of Publications by Year in descending order

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times ranked

196
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural Network and Extreme Gradient Boosting in Near Infrared Spectroscopy. , 2022, , .		3
2	A review on recent near infrared spectroscopic measurement setups and their challenges. Measurement: Journal of the International Measurement Confederation, 2021, 171, 108732.	5.0	9
3	A Comparison Between Local and Global Models Among Different Near Infrared Spectroscopy Instruments for Corn Oils Prediction. , 2021, , .		1
4	Carbon nanomaterial properties help to enhance xylanase production from recombinant Kluyveromyces lactis through a cell immobilization method. Applied Microbiology and Biotechnology, 2021, 105, 8531-8544.	3.6	3
5	Principal Components-Artificial Neural Network in Functional Near-Infrared Spectroscopy (fNIRS) for Brain Control Interface. , 2021, , .		0
6	The Size And Weight Prediction For Intact Pineapples Using A Low Cost Vision System. , 2020, , .		3
7	Stingless Bee Honey Classification Using Near Infrared Light Coupled With Artificial Neural Network. , 2020, , .		2
8	A Bootstrapping Soft Shrinkage Approach and Interval Random Variables Selection Hybrid Model for Variable Selection in Near-Infrared Spectroscopy. IEEE Access, 2020, 8, 168036-168052.	4.2	6
9	Pre-dispersive near-infrared light sensing in non-destructively classifying the brix of intact pineapples. Journal of Food Science and Technology, 2020, 57, 4533-4540.	2.8	6
10	Investigating the Feasibility of a CMOS Camera in Developing a Shortwave Near Infrared Spectroscopy. International Journal of Integrated Engineering, 2020, 12, .	0.4	0
11	Investigation of Parameters That Affect the Acquired Near Infrared Diffuse Reflected Signals in Non-Destructive Soluble Solids Content Prediction. Engineering Journal, 2020, 24, 79-90.	1.0	0
12	Improved model population analysis in near infrared spectroscopy. , 2019, , .		1
13	Artificial neural network and partial least square in predicting blood hemoglobin using near-infrared spectrum. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 16, 701.	0.8	1
14	A comparison between single layer and multilayer artificial neural networks in predicting diesel fuel properties using near infrared spectrum. Petroleum Science and Technology, 2018, 36, 411-418.	1.5	13
15	Partial Least Square with Savitzky Golay Derivative in Predicting Blood Hemoglobin Using Near Infrared Spectrum. MATEC Web of Conferences, 2018, 150, 01001.	0.2	2
16	Ziegler-Nichols Based Proportional-Integral-Derivative Controller for a Line Tracking Robot. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 9, 221.	0.8	9
17	A five band near-infrared portable sensor in nondestructively predicting the internal quality of pineapples. , 2017, , .		5
18	Prediction of glucose concentration using near infrared light and adaptive linear neuron. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Investigating the Relationship between the Reflected Near Infrared Light and the Internal Quality of Pineapples Using Neural Network. International Journal on Advanced Science, Engineering and Information Technology, 2017, 7, 1389.	0.4	5
20	Design and Development of a Shortwave near Infrared Spectroscopy using NIR LEDs and Regression Model. International Journal of Electrical and Computer Engineering, 2017, 7, 3070.	0.7	1
21	A Portable PID Control Learning Tool by means of a Mobile Robot. International Journal of Online Engineering, 2016, 12, 54.	0.5	6
22	Predicting the boiling point of diesel fuel using adaptive linear neuron and near infrared spectrum. , 2015, , .		1
23	Evaluation of common pre-processing approaches for visible (VIS) and shortwave near infrared (SWNIR) spectroscopy in soluble solids content (SSC) assessment. Biosystems Engineering, 2013, 115, 82-88.	4.3	29
24	Artificial neural network coupled with robust principal components in near infrared spectroscopic analysis. , 2012, , .		1
25	Neural network and principal component regression in non-destructive soluble solids content assessment: a comparison. Journal of Zhejiang University: Science B, 2012, 13, 145-151.	2.8	33
26	Prediction of soluble solids content of pineapple via non-invasive low cost visible and shortwave near infrared spectroscopy and artificial neural network. Biosystems Engineering, 2012, 113, 158-165.	4.3	51
27	A comparison of Principal Component Regression and Artificial Neural Network in fruits quality prediction. , 2011, , .		3
28	A Comparison of Principal Component Regression and Artificial Neural Network in VIS-SWNIR Spectroscopy. , 2011, , .		0
29	Grasp hand approach to detect the attentiveness and fatigue of driver via vibration system. , 2010, , .		0
30	Breathalyzer Enabled Ignition Interlock System. Jurnal Teknologi (Sciences and Engineering), 0, , .	0.4	0