

Eizo Taira

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

285
citations

840776

11
h-index

888059

17
g-index

26
all docs

26
docs citations

26
times ranked

221
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmarking support vector regression against partial least squares regression and artificial neural network: Effect of sample size on model performance. Journal of Near Infrared Spectroscopy, 2017, 25, 381-390.	1.5	36
2	Application of Support Vector Regression for Simultaneous Modelling of near Infrared Spectra from Multiple Process Steps. Journal of Near Infrared Spectroscopy, 2015, 23, 75-84.	1.5	28
3	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
4	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
5	Automated Quality Evaluation System for Net and Gross Sugarcane Samples Using near Infrared Spectroscopy. Journal of Near Infrared Spectroscopy, 2010, 18, 209-215.	1.5	18
6	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
7	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
8	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
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	Relationships between nutrients and sucrose concentrations in sugarcane juice and use of juice analysis for nutrient diagnosis in Japan. Plant Production Science, 2016, 19, 215-222.	2.0	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	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
14	Alterations in the morphological, sugar composition, and volatile flavor properties of petai (Parkia Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.2	7
15	Modeling of soil displacement and soil strain distribution under a traveling wheel. Journal of Terramechanics, 2013, 50, 5-16.	3.1	6
16	Comparative Discharge and Precision Index of a Sugar Cane Billet Planter. Applied Engineering in Agriculture, 2016, 32, 561-567.	0.7	5
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Measurement of Soil Deformation at the Ground Contact Surface of a Traveling Wheel. <i>Engineering in Agriculture, Environment and Food</i> , 2009, 2, 14-23.	0.5	4
20	Fundamental Study on Water Stress Detection in Sugarcane Using Thermal Image Combined with Photosynthesis Measurement Under a Greenhouse Condition. <i>Sugar Tech</i> , 2022, 24, 1382-1390.	1.8	4
21	Application of FT-NIR spectroscopy to the evaluation of compost quality. <i>Engineering in Agriculture, Environment and Food</i> , 2008, 1, 51-56.	0.5	2
22	Soil Deformation beneath a Wheel during Travel Repetition. <i>Engineering in Agriculture, Environment and Food</i> , 2010, 3, 79-86.	0.5	1
23	Preliminary Investigation on the Relationship between Fluorescence Fingerprint and Quality of <i>Awamori</i> . <i>Journal of the Japanese Society for Food Science and Technology</i> , 2017, 64, 577-583.	0.1	1
24	Influence of Soil Surface Coverage on Soil Deformation by a Traveling Wheel. <i>Engineering in Agriculture, Environment and Food</i> , 2012, 5, 1-6.	0.5	0
25	Prediction of Wheel Traveling Performance Using Ground Contact Stress Models. <i>Engineering in Agriculture, Environment and Food</i> , 2013, 6, 7-12.	0.5	0
26	Information and Communication Technology in Agriculture. , 2021, , 381-389.		0