# Eizo Taira

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5633718/publications.pdf

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| 26 | 285 | 840776 11 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 26 | 26 | 26 | 221 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Fundamental Study on Water Stress Detection in Sugarcane Using Thermal Image Combined with Photosynthesis Measurement Under a Greenhouse Condition. Sugar Tech, 2022, 24, 1382-1390. | 1.8 | 4 |
| 2 | 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 |
| 3 | Information and Communication Technology in Agriculture. , 2021, , 381-389. | | 0 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Alterations in the morphological, sugar composition, and volatile flavor properties of petai (Parkia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 6.2 | 7 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Preliminary Investigation on the Relationship between Fluorescence Fingerprint and Quality of Awamori. Journal of the Japanese Society for Food Science and Technology, 2017, 64, 577-583. | 0.1 | 1 |
| 15 | Comparative Discharge and Precision Index of a Sugar Cane Billet Planter. Applied Engineering in Agriculture, 2016, 32, 561-567. | 0.7 | 5 |
| 16 | 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 |
| 17 | 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 |
| 18 | Modeling of soil displacement and soil strain distribution under a traveling wheel. Journal of Terramechanics, 2013, 50, 5-16. | 3.1 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Prediction of Wheel Traveling Performance Using Ground Contact Stress Models. Engineering in Agriculture, Environment and Food, 2013, 6, 7-12. | 0.5 | 0 |
| 20 | 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 |
| 21 | Networking System Employing near Infrared Spectroscopy for Sugarcane Payment in Japan. Journal of Near Infrared Spectroscopy, 2013, 21, 477-483. | 1.5 | 12 |
| 22 | Influence of Soil Surface Coverage on Soil Deformation by a Traveling Wheel. Engineering in Agriculture, Environment and Food, 2012, 5, 1-6. | 0.5 | 0 |
| 23 | 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 |
| 24 | Soil Deformation beneath a Wheel during Travel Repetition. Engineering in Agriculture, Environment and Food, 2010, 3, 79-86. | 0.5 | 1 |
| 25 | Measurement of Soil Deformation at the Ground Contact Surface of a Traveling Wheel. Engineering in Agriculture, Environment and Food, 2009, 2, 14-23. | 0.5 | 4 |
| 26 | Application of FT-NIR spectroscopy to the evaluation of compost quality. Engineering in Agriculture, Environment and Food, 2008, 1, 51-56. | 0.5 | 2 |