

Taewon Moon

List of Publications by Year in descending order

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12
papers

199
citations

1040056

9
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1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

169
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Interpolation of greenhouse environment data using multilayer perceptron. Computers and Electronics in Agriculture, 2019, 166, 105023. | 7.7 | 42 |
| 2 | Long short-term memory for a model-free estimation of macronutrient ion concentrations of root-zone in closed-loop soilless cultures. Plant Methods, 2019, 15, 59. | 4.3 | 25 |
| 3 | Forecasting Root-Zone Electrical Conductivity of Nutrient Solutions in Closed-Loop Soilless Cultures via a Recurrent Neural Network Using Environmental and Cultivation Information. Frontiers in Plant Science, 2018, 9, 859. | 3.6 | 22 |
| 4 | Estimating transpiration rates of hydroponically-grown paprika via an artificial neural network using aerial and root-zone environments and growth factors in greenhouses. Horticulture Environment and Biotechnology, 2019, 60, 913-923. | 2.1 | 19 |
| 5 | Evaluation of the light profile and carbon assimilation of tomato plants in greenhouses with respect to film diffuseness and regional solar radiation using ray-tracing simulation. Agricultural and Forest Meteorology, 2021, 296, 108219. | 4.8 | 19 |
| 6 | Prediction of Air Temperature and Relative Humidity in Greenhouse via a Multilayer Perceptron Using Environmental Factors. Protected Horticulture and Plant Factory, 2019, 28, 95-103. | 0.4 | 19 |
| 7 | Knowledge transfer for adapting pre-trained deep neural models to predict different greenhouse environments based on a low quantity of data. Computers and Electronics in Agriculture, 2021, 185, 106136. | 7.7 | 13 |
| 8 | Prediction of the fruit development stage of sweet pepper (<i>Capsicum annum</i> var. <i>annuum</i>) by an ensemble model of convolutional and multilayer perceptron. Biosystems Engineering, 2021, 210, 171-180. | 4.3 | 12 |
| 9 | Estimating the leaf area index of bell peppers according to growth stage using ray-tracing simulation and a long short-term memory algorithm. Horticulture Environment and Biotechnology, 2020, 61, 255-265. | 2.1 | 11 |
| 10 | Accurate Imputation of Greenhouse Environment Data for Data Integrity Utilizing Two-Dimensional Convolutional Neural Networks. Sensors, 2021, 21, 2187. | 3.8 | 9 |
| 11 | Development of Growth Estimation Algorithms for Hydroponic Bell Peppers Using Recurrent Neural Networks. Horticulturae, 2021, 7, 284. | 2.8 | 4 |
| 12 | Estimation of Sweet Pepper Crop Fresh Weight with Convolutional Neural Network. Protected Horticulture and Plant Factory, 2020, 29, 381-387. | 0.4 | 4 |