Taewon Moon

List of Publications by Year
in descending order

12 papers	**199** citations	1040056 **9** h-index	1199594 **12** g-index
13 all docs	**13** docs citations	**13** times ranked	**169** citing authors

#	Article	IF	Citations
1	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
2	Accurate Imputation of Greenhouse Environment Data for Data Integrity Utilizing Two-Dimensional Convolutional Neural Networks. Sensors, 2021, 21, 2187.	3.8	9
3	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
4	Development of Growth Estimation Algorithms for Hydroponic Bell Peppers Using Recurrent Neural Networks. Horticulturae, 2021, 7, 284.	2.8	4
5	Prediction of the fruit development stage of sweet pepper (Capsicum annum var. annuum) by an ensemble model of convolutional and multilayer perceptron. Biosystems Engineering, 2021, 210, 171-180.	4.3	12
6	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
7	Estimation of Sweet Pepper Crop Fresh Weight with Convolutional Neural Network. Protected Horticulture and Plant Factory, 2020, 29, 381-387.	0.4	4
8	Interpolation of greenhouse environment data using multilayer perceptron. Computers and Electronics in Agriculture, 2019, 166, 105023.	7.7	42
9	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
10	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
11	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
12	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