

JosÃ© Luis HernÃ¡ndez-HernÃ¡ndez

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

449
citations

933264

10
h-index

752573

20
g-index

34
all docs

34
docs citations

34
times ranked

468
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal color space selection method for plant/soil segmentation in agriculture. Computers and Electronics in Agriculture, 2016, 122, 124-132.	3.7	90
2	Study and comparison of color models for automatic image analysis in irrigation management applications. Agricultural Water Management, 2015, 151, 158-166.	2.4	76
3	Weed Classification for Site-Specific Weed Management Using an Automated Stereo Computer-Vision Machine-Learning System in Rice Fields. Plants, 2020, 9, 559.	1.6	37
4	A new portable application for automatic segmentation of plants in agriculture. Agricultural Water Management, 2017, 183, 146-157.	2.4	26
5	A Computer Vision System Based on Majority-Voting Ensemble Neural Network for the Automatic Classification of Three Chickpea Varieties. Foods, 2020, 9, 113.	1.9	25
6	Comparison of Different Classifiers and the Majority Voting Rule for the Detection of Plum Fruits in Garden Conditions. Remote Sensing, 2019, 11, 2546.	1.8	21
7	Prediction of Draft Force of a Chisel Cultivator Using Artificial Neural Networks and Its Comparison with Regression Model. Agronomy, 2020, 10, 451.	1.3	14
8	Evaluation of the Changes in Thermal, Qualitative, and Antioxidant Properties of Terebinth (Pistacia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	18
9	A Computer-Aided Detection System for Digital Chest Radiographs. Journal of Healthcare Engineering, 2016, 2016, 1-9.	1.1	12
10	A new model for water balance estimation on lettuce crops using effective diameter obtained with image analysis. Agricultural Water Management, 2017, 183, 116-122.	2.4	11
11	The Use of the Combination of Texture, Color and Intensity Transformation Features for Segmentation in the Outdoors with Emphasis on Video Processing. Agriculture (Switzerland), 2019, 9, 104.	1.4	10
12	Effect of Different Working and Tool Parameters on Performance of Several Types of Cultivators. Agriculture (Switzerland), 2020, 10, 145.	1.4	10
13	Investigating the Effect of the Tractor Drive System Type on Soil Behavior under Tractor Tires. Agronomy, 2021, 11, 696.	1.3	10
14	One-Dimensional Convolutional Neural Networks for Hyperspectral Analysis of Nitrogen in Plant Leaves. Applied Sciences (Switzerland), 2021, 11, 11853.	1.3	10
15	Nondestructive Estimation of the Chlorophyll b of Apple Fruit by Color and Spectral Features Using Different Methods of Hybrid Artificial Neural Network. Agronomy, 2019, 9, 735.	1.3	9
16	Non-Destructive Detection of Fruit Quality Parameters Using Hyperspectral Imaging, Multiple Regression Analysis and Artificial Intelligence. Horticulturae, 2022, 8, 598.	1.2	9
17	Conventional and Advanced Exergy-Based Analysis of Hybrid Geothermal“Solar Power Plant Based on ORC Cycle. Applied Sciences (Switzerland), 2020, 10, 5206.	1.3	8
18	Estimation of the Constituent Properties of Red Delicious Apples Using a Hybrid of Artificial Neural Networks and Artificial Bee Colony Algorithm. Agronomy, 2020, 10, 267.	1.3	8

#	ARTICLE	IF	CITATIONS
19	Non-Destructive Estimation of Total Chlorophyll Content of Apple Fruit Based on Color Feature, Spectral Data and the Most Effective Wavelengths Using Hybrid Artificial Neural Network and Imperialist Competitive Algorithm. <i>Plants</i> , 2020, 9, 1547.	1.6	7
20	Measuring and Comparing Forces Acting on Moldboard Plow and Para-Plow with Wing to Replace Moldboard Plow with Para-Plow for Tillage and Modeling It Using Adaptive Neuro-Fuzzy Interface System (ANFIS). <i>Agriculture (Switzerland)</i> , 2020, 10, 633.	1.4	7
21	Search for Optimum Color Space for the Recognition of Oranges in Agricultural Fields. <i>Communications in Computer and Information Science</i> , 2017, , 296-307.	0.4	6
22	Web application for analysis of digital photography in the estimation of irrigation requirements for lettuce crops. <i>Agricultural Water Management</i> , 2017, 183, 136-145.	2.4	5
23	Non-Destructive Prediction of Titratable Acidity and Taste Index Properties of Gala Apple Using Combination of Different Hybrids ANN and PLSR-Model Based Spectral Data. <i>Plants</i> , 2020, 9, 1718.	1.6	5
24	A Novel Technique for Classifying Bird Damage to Rapeseed Plants Based on a Deep Learning Algorithm. <i>Agronomy</i> , 2021, 11, 2364.	1.3	5
25	Quality Assessment of Components of Wheat Seed Using Different Classifications Models. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4133.	1.3	5
26	Classification of Cucumber Leaves Based on Nitrogen Content Using the Hyperspectral Imaging Technique and Majority Voting. <i>Plants</i> , 2021, 10, 898.	1.6	4
27	Recognition of the Damage Caused by the Cogollero Worm to the Corn Plant, Using Artificial Vision. <i>Communications in Computer and Information Science</i> , 2020, , 111-122.	0.4	3
28	Modern Code Applied in Stencil in Edge Detection of an Image for Architecture Intel Xeon Phi KNL. <i>Communications in Computer and Information Science</i> , 2019, , 151-163.	0.4	1
29	Geographic Information System on Violence Against Women. <i>Communications in Computer and Information Science</i> , 2020, , 205-220.	0.4	1
30	Search for Damage of the Citrus Miner to the Lemon Leaf, Implementing Artificial Vision Techniques. <i>Communications in Computer and Information Science</i> , 2020, , 85-97.	0.4	1
31	A Byte Pattern Based Method for File Compression. <i>Communications in Computer and Information Science</i> , 2019, , 122-134.	0.4	0
32	Implementation of the ID3 algorithm for the generation of a decision tree with food health data from the State of Guerrero, Mexico. <i>Journal Mathematical and Quantitative Methods</i> , 0, , 1-8.	0.0	0
33	Emotional Corpus, Feature Extraction and Emotion Classification Using the Parameterized Voice Signal. <i>Communications in Computer and Information Science</i> , 2021, , 51-64.	0.4	0