

Juan I Arribas

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,010
citations

394286

19
h-index

454834

30
g-index

47
all docs

47
docs citations

47
times ranked

1077
citing authors

#	ARTICLE	IF	CITATIONS
1	Supervised contrastive learning over prototype-label embeddings for network intrusion detection. <i>Information Fusion</i> , 2022, 79, 200-228.	11.7	43
2	A predictive hybrid reduced order model based on proper orthogonal decomposition combined with deep learning architectures. <i>Expert Systems With Applications</i> , 2022, 187, 115910.	4.4	25
3	Metaheuristic algorithms in visible and near infrared spectra to detect excess nitrogen content in tomato plants. <i>Journal of Near Infrared Spectroscopy</i> , 2022, 30, 197-207.	0.8	4
4	Identification of Internal Defects in Potato Using Spectroscopy and Computational Intelligence Based on Majority Voting Techniques. <i>Foods</i> , 2021, 10, 982.	1.9	4
5	Additive Ensemble Neural Network with Constrained Weighted Quantile Loss for Probabilistic Electric-Load Forecasting. <i>Sensors</i> , 2021, 21, 2979.	2.1	14
6	Network intrusion detection with a novel hierarchy of distances between embeddings of hash IP addresses. <i>Knowledge-Based Systems</i> , 2021, 219, 106887.	4.0	19
7	Novel Data-Driven Models Applied to Short-Term Electric Load Forecasting. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5708.	1.3	14
8	Nondestructive nitrogen content estimation in tomato plant leaves by Vis-NIR hyperspectral imaging and regression data models. <i>Applied Optics</i> , 2021, 60, 9560.	0.9	9
9	Nondestructive estimation of three apple fruit properties at various ripening levels with optimal Vis-NIR spectral wavelength regression data. <i>Heliyon</i> , 2021, 7, e07942.	1.4	13
10	Estimation of nitrogen content in cucumber plant (<i>Cucumis sativus</i> L.) leaves using hyperspectral imaging data with neural network and partial least squares regressions. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 217, 104404.	1.8	22
11	Network Intrusion Detection Based on Extended RBF Neural Network With Offline Reinforcement Learning. <i>IEEE Access</i> , 2021, 9, 153153-153170.	2.6	30
12	A three-variety automatic and non-intrusive computer vision system for the estimation of orange fruit pH value. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 152, 107298.	2.5	20
13	Non-destructive visible and short-wave near-infrared spectroscopic data estimation of various physicochemical properties of Fuji apple (<i>Malus pumila</i>) fruits at different maturation stages. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 206, 104147.	1.8	26
14	Weed Classification for Site-Specific Weed Management Using an Automated Stereo Computer-Vision Machine-Learning System in Rice Fields. <i>Plants</i> , 2020, 9, 559.	1.6	37
15	Automatic non-destructive video estimation of maturation levels in Fuji apple (<i>Malus pumila</i>) fruit in orchard based on colour (Vis) and spectral (NIR) data. <i>Biosystems Engineering</i> , 2020, 195, 136-151.	1.9	37
16	An automatic visible-range video weed detection, segmentation and classification prototype in potato field. <i>Heliyon</i> , 2020, 6, e03685.	1.4	34
17	A Computer Vision System for the Automatic Classification of Five Varieties of Tree Leaf Images. <i>Computers</i> , 2020, 9, 6.	2.1	15
18	A Computer Vision System Based on Majority-Voting Ensemble Neural Network for the Automatic Classification of Three Chickpea Varieties. <i>Foods</i> , 2020, 9, 113.	1.9	25

#	ARTICLE	IF	CITATIONS
19	An Automatic Non-Destructive Method for the Classification of the Ripeness Stage of Red Delicious Apples in Orchards Using Aerial Video. <i>Agronomy</i> , 2019, 9, 84.	1.3	27
20	An automatic and non-intrusive hybrid computer vision system for the estimation of peel thickness in Thomson orange. <i>Spanish Journal of Agricultural Research</i> , 2019, 16, e0204.	0.3	2
21	A new approach for the design of digital frequency selective FIR filters using an FPA-based algorithm. <i>Expert Systems With Applications</i> , 2018, 106, 92-106.	4.4	16
22	A visible-range computer-vision system for automated, non-intrusive assessment of the pH value in Thomson oranges. <i>Computers in Industry</i> , 2018, 99, 69-82.	5.7	20
23	A Computer-Aided Diagnosis System With EEG Based on the P3b Wave During an Auditory Odd-Ball Task in Schizophrenia. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 395-407.	2.5	61
24	Abnormal Capillary Vasodynamics Contribute to Ictal Neurodegeneration in Epilepsy. <i>Scientific Reports</i> , 2017, 7, 43276.	1.6	40
25	A new method based on computer vision for non-intrusive orange peel sorting. , 2017, , .		0
26	Non-intrusive image processing Thompson orange grading methods. , 2017, , .		3
27	Three Natural Computation methods for joint channel estimation and symbol detection in multiuser communications. <i>Applied Soft Computing Journal</i> , 2016, 49, 561-569.	4.1	2
28	Leaf classification in sunflower crops by computer vision and neural networks. <i>Computers and Electronics in Agriculture</i> , 2011, 78, 9-18.	3.7	84
29	Evaluation of the use of low-cost GPS receivers in the autonomous guidance of agricultural tractors. <i>Spanish Journal of Agricultural Research</i> , 2011, 9, 377.	0.3	19
30	Automatic Bayesian Classification of Healthy Controls, Bipolar Disorder, and Schizophrenia Using Intrinsic Connectivity Maps From fMRI Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 2850-2860.	2.5	80
31	A Radius and Ulna TW3 Bone Age Assessment System. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 1463-1476.	2.5	48
32	A Statistical-Genetic Algorithm to Select the Most Significant Features in Mammograms. <i>Lecture Notes in Computer Science</i> , 2007, , 189-196.	1.0	7
33	A Fast B-Spline Pseudo-inversion Algorithm for Consistent Image Registration. <i>Lecture Notes in Computer Science</i> , 2007, , 768-775.	1.0	14
34	A Model Selection Algorithm for a Posteriori Probability Estimation With Neural Networks. <i>IEEE Transactions on Neural Networks</i> , 2005, 16, 799-809.	4.8	45
35	A Comparative Study on Microcalcification Detection Methods with Posterior Probability Estimation based on Gaussian Mixture Models. , 2005, 2006, 49-54.		5
36	Estimates of constrained multi-class a posteriori probabilities in time series problems with neural networks. , 1999, , .		4

#	ARTICLE	IF	CITATIONS
37	Cost functions to estimate a posteriori probabilities in multiclass problems. IEEE Transactions on Neural Networks, 1999, 10, 645-656.	4.8	62
38	Neural networks to estimate ML multi-class constrained conditional probability density functions. , 0, , .		2
39	Neural architectures for parametric estimation of a posteriori probabilities by constrained conditional density functions. , 0, , .		15
40	Neural posterior probabilities for microcalcification detection in breast cancer diagnoses. , 0, , .		3
41	A fully automatic algorithm for contour detection of bones in hand radiographs using active contours. , 0, , .		22
42	Fusing output information in neural networks: ensemble performs better. , 0, , .		8
43	Neural network fusion strategies for identifying breast masses. , 0, , .		20
44	A Radius and Ulna Skeletal Age Assessment System. , 0, , .		8
45	Estimation of Posterior Probabilities with Neural Networks: Application to Microcalcification Detection in Breast Cancer Diagnosis. , 0, , 41-58.		2
46	A Video Image Segmentation System for the Fruit-trees in Multi-stage Outdoors Orchard under Natural Conditions. Tarim Bilimleri Dergisi, 0, , 427-439.	0.4	0
47	Non-destructive Estimation of Chlorophyll a Content in Red Delicious Apple Cultivar Based on Spectral and Color Data. Tarim Bilimleri Dergisi, 0, , 339-348.	0.4	0