Sergio Ledesma-Orozco

List of Publications by Year
in descending order

24 papers	383 citations	1039880 9 h-index	794469 19 g-index
24 all docs	24 docs citations	24 times ranked	361 citing authors

#	Article	IF	Citations
1	Human activity recognition using temporal convolutional neural network architecture. Expert Systems With Applications, 2022, 191, 116287.	4.4	41
2	A Review on Applications of Fuzzy Logic Control for Refrigeration Systems. Applied Sciences (Switzerland), 2022, 12, 1302.	1.3	24
3	Geometric Analysis of Signals for Inference of Multiple Faults in Induction Motors. Sensors, 2022, 22, 2622.	2.1	3
4	Frost thickness estimation in a domestic refrigerator using acoustic signals and artificial intelligence. Expert Systems With Applications, 2022, 201, 117071.	4.4	7
5	On removing conflicts for machine learning. Expert Systems With Applications, 2022, 206, 117835.	4.4	3
6	Transfer Learning for Humanoid Robot Appearance-Based Localization in a Visual Map. IEEE Access, 2021, 9, 6868-6877.	2.6	9
7	Differential Neural Networks (DNN). IEEE Access, 2020, 8, 156530-156538.	2.6	3
8	Trend-Based Categories Recommendations and Age-Gender Prediction for Pinterest and Twitter Users. Applied Sciences (Switzerland), 2020, 10, 5957.	1.3	10
9	Using Artificial Intelligence to Analyze the Thermal Behavior of Building Roofs. Journal of Energy Engineering - ASCE, 2020, 146, .	1.0	6
10	Artificial Intelligence to Design a Mask Insensible to the Distance From the Camera to the Scene Objects. IEEE Access, 2019, 7, 79934-79943.	2.6	1
11	Energy optimization of a domestic refrigerator controlled by a fuzzy logic system using the status of the door. International Journal of Refrigeration, 2019, 104, 1-8.	1.8	21
12	Quaternion Signal Analysis Algorithm for Induction Motor Fault Detection. IEEE Transactions on Industrial Electronics, 2019, 66, 8843-8850.	5.2	38
13	A Fast Image Dehazing Algorithm Using Morphological Reconstruction. IEEE Transactions on Image Processing, 2019, 28, 2357-2366.	6.0	83
14	Cost function to analyze the passband and the stopband of Digital Biquadratic Filters. , 2018, 75, 255-263.		0
15	Analysis of the Cluster Prominence Feature for Detecting Calcifications in Mammograms. Journal of Healthcare Engineering, 2018, 2018, 1-11.	1.1	9
16	Mathematical Models to Predict and Analyze the Energy Consumption of a Domestic Refrigerator for Different Position of the Shelves. IEEE Access, 2018, 6, 68882-68891.	2.6	3
17	Analysis of Data Sets With Learning Conflicts for Machine Learning. IEEE Access, 2018, 6, 45062-45070.	2.6	16
18	Blood vessel segmentation in retinal fundus images using Gabor filters, fractional derivatives, and Expectation Maximization. Applied Mathematics and Computation, 2018, 339, 568-587.	1.4	56

#	Article	IF	Citations
19	Optimization of type III pressure vessels using genetic algorithm and simulated annealing. International Journal of Hydrogen Energy, 2017, 42, 20125-20132.	3.8	23
20	Thermal Simulation of the Fresh Food Compartment in a Domestic Refrigerator. Energies, 2017, 10, 128.	1.6	5
21	Fast Parabola Detection Using Estimation of Distribution Algorithms. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-13.	0.7	10
22	New prioritized value iteration for Markov decision processes. Artificial Intelligence Review, 2012, 37, 157-167.	9.7	5
23	Diagnosis test of power cables using a resonant test system and analysis of partial discharge on site. , 2010, , .		3
24	Boosting for Image Interpretation by Using Natural Features. , 2008, , .		4