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	A Fast Image Dehazing Algorithm Using Morphological Reconstruction. IEEE Transactions on Image Processing, 2019, 28, 2357-2366.	6.0	83
2	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
3	Human activity recognition using temporal convolutional neural network architecture. Expert Systems With Applications, 2022, 191, 116287.	4.4	41
4	Quaternion Signal Analysis Algorithm for Induction Motor Fault Detection. IEEE Transactions on Industrial Electronics, 2019, 66, 8843-8850.	5.2	38
5	A Review on Applications of Fuzzy Logic Control for Refrigeration Systems. Applied Sciences (Switzerland), 2022, 12, 1302.	1.3	24
6	Optimization of type III pressure vessels using genetic algorithm and simulated annealing. International Journal of Hydrogen Energy, 2017, 42, 20125-20132.	3.8	23
7	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
8	Analysis of Data Sets With Learning Conflicts for Machine Learning. IEEE Access, 2018, 6, 45062-45070.	2.6	16
9	Fast Parabola Detection Using Estimation of Distribution Algorithms. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-13.	0.7	10
10	Trend-Based Categories Recommendations and Age-Gender Prediction for Pinterest and Twitter Users. Applied Sciences (Switzerland), 2020, 10, 5957.	1.3	10
11	Analysis of the Cluster Prominence Feature for Detecting Calcifications in Mammograms. Journal of Healthcare Engineering, 2018, 2018, 1-11.	1.1	9
12	Transfer Learning for Humanoid Robot Appearance-Based Localization in a Visual Map. IEEE Access, 2021, 9, 6868-6877.	2.6	9
13	Frost thickness estimation in a domestic refrigerator using acoustic signals and artificial intelligence. Expert Systems With Applications, 2022, 201, 117071.	4.4	7
14	Using Artificial Intelligence to Analyze the Thermal Behavior of Building Roofs. Journal of Energy Engineering - ASCE, 2020, 146, .	1.0	6
15	New prioritized value iteration for Markov decision processes. Artificial Intelligence Review, 2012, 37, 157-167.	9.7	5
16	Thermal Simulation of the Fresh Food Compartment in a Domestic Refrigerator. Energies, 2017, 10, 128.	1.6	5
17	Boosting for Image Interpretation by Using Natural Features. , 2008, , .		4
18	Diagnosis test of power cables using a resonant test system and analysis of partial discharge on site. , 2010, , .		3

#	Article	IF	Citations
19	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
20	Differential Neural Networks (DNN). IEEE Access, 2020, 8, 156530-156538.	2.6	3
21	Geometric Analysis of Signals for Inference of Multiple Faults in Induction Motors. Sensors, 2022, 22, 2622.	2.1	3
22	On removing conflicts for machine learning. Expert Systems With Applications, 2022, 206, 117835.	4.4	3
23	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
24	Cost function to analyze the passband and the stopband of Digital Biquadratic Filters. , 2018, 75, 255-263.		0