Carlos Aviles-Cruz

List of Publications by Year
in descending order

24 papers	235 citations	1040056 9 h-index	996975 15 g-index
24 all docs	24 docs citations	24 times ranked	244 citing authors

#	Article	IF	Citations
1	Coarse-Fine Convolutional Deep-Learning Strategy for Human Activity Recognition. Sensors, 2019, 19, 1556.	3.8	46
2	High-order statistical texture analysisâ€“â€“font recognition applied. Pattern Recognition Letters, 2005, 26, 135-145.	4.2	34
3	Self organizing natural scene image retrieval. Expert Systems With Applications, 2013, 40, 2398-2409.	7.6	27
4	Handheld augmented reality system for resistive electric circuits understanding for undergraduate students. Computer Applications in Engineering Education, 2018, 26, 602-616.	3.4	27
5	A smartphoneâ€based augmented reality system for university students for learning digital electronics. Computer Applications in Engineering Education, 2019, 27, 615-630.	3.4	18
6	Granger-causality: An efficient single user movement recognition using a smartphone accelerometer sensor. Pattern Recognition Letters, 2019, 125, 576-583.	4.2	13
7	A comprehensive finite-element model of a turbine-generator infinite-busbar system. Finite Elements in Analysis and Design, 2004, 40, 485-509.	3.2	11
8	Separation of core losses in distribution transformers using experimental methods. Canadian Journal of Electrical and Computer Engineering, 2010, 35, 33-39.	2.0	10
9	Digital signal processing course on Jupyterâ€“Python Notebook for electronics undergraduates. Computer Applications in Engineering Education, 2020, 28, 1045-1057.	3.4	10
10	Face Classification by Local Texture Analisys through CBIR and SURF Points. IEEE Latin America Transactions, 2016, 14, 2418-2424.	1.6	7
11	Monocular Visual Odometry Based Navigation for a Differential Mobile Robot with Android OS. Lecture Notes in Computer Science, 2014, , 281-292.	1.3	6
12	Image Retrieval System based on a Binary Auto-Encoder and a Convolutional Neural Network. IEEE Latin America Transactions, 2020, 18, 1925-1932.	1.6	6
13	A Genetic Algorithm Applied to Content-Based Image Retrieval for Natural Scenes Classification. , 2014, , .		4
14	EEG Pattern Recognition: An Efficient Improvement Combination of ERD/ERS/Laterality Features to Create a Self-paced BCI System. Lecture Notes in Computer Science, 2016, , 231-240.	1.3	4
15	Interest points reduction using evolutionary algorithms and CBIR for face recognition. Visual Computer, 2021, 37, 1883-1897.	3.5	3
16	Topology: A Theory of a Pseudometric-Based Clustering Model and Its Application in Content-Based Image Retrieval. Mathematical Problems in Engineering, 2019, 2019, 1-14.	1.1	2
17	Wienerâ€“Granger Causality Theory Supported by a Genetic Algorithm to Characterize Natural Scenery. Electronics (Switzerland), 2019, 8, 726.	3.1	2
18	EEG PATTERN RECOGNITION: Application to a Real Time Control System for Android-Based Mobile Devices. Lecture Notes in Computer Science, 2013, , 232-241.	1.3	2

#	Article	IF	Citations
19	A Novel 2D Clustering Algorithm Based on Recursive Topological Data Structure. Symmetry, 2022, 14, 781.	2.2	2
20	A New 3-D Environment Tool For Electric Circuits Simulator. Canadian Journal of Electrical and Computer Engineering, 2016, 39, 210-218.	2.0	1
21	EEG Signal Implementation of Movement Intention for the Teleoperation of the Mobile Differential Robot. Studies in Computational Intelligence, 2017, , 333-355.	0.9	0
22	Logic Gate Integrated Circuit Identification Through Augmented Reality and a Smartphone. Advances in Intelligent Systems and Computing, 2019, , 73-85.	0.6	0
23	Recovery of Natural Scenery Image by Content Using Wiener-Granger Causality: A Self-Organizing Methodology. Applied Sciences (Switzerland), 2021, 11, 8795.	2.5	0
24	Three Comparative Methods for Mammograms Segmentation: by Master-Slave Algorithm and by Two Parallel Fusion Algorithms. , 2003, , 198-202.		0