

Carlos Aviles-Cruz

List of Publications by Year in descending order

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times ranked

244
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel 2D Clustering Algorithm Based on Recursive Topological Data Structure. <i>Symmetry</i> , 2022, 14, 781.	1.1	2
2	Interest points reduction using evolutionary algorithms and CBIR for face recognition. <i>Visual Computer</i> , 2021, 37, 1883-1897.	2.5	3
3	Recovery of Natural Scenery Image by Content Using Wiener-Granger Causality: A Self-Organizing Methodology. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8795.	1.3	0
4	Digital signal processing course on Jupyterâ€“Python Notebook for electronics undergraduates. <i>Computer Applications in Engineering Education</i> , 2020, 28, 1045-1057.	2.2	10
5	Image Retrieval System based on a Binary Auto-Encoder and a Convolutional Neural Network. <i>IEEE Latin America Transactions</i> , 2020, 18, 1925-1932.	1.2	6
6	Topology: A Theory of a Pseudometric-Based Clustering Model and Its Application in Content-Based Image Retrieval. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-14.	0.6	2
7	Wienerâ€“Granger Causality Theory Supported by a Genetic Algorithm to Characterize Natural Scenery. <i>Electronics (Switzerland)</i> , 2019, 8, 726.	1.8	2
8	Granger-causality: An efficient single user movement recognition using a smartphone accelerometer sensor. <i>Pattern Recognition Letters</i> , 2019, 125, 576-583.	2.6	13
9	Logic Gate Integrated Circuit Identification Through Augmented Reality and a Smartphone. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 73-85.	0.5	0
10	Coarse-Fine Convolutional Deep-Learning Strategy for Human Activity Recognition. <i>Sensors</i> , 2019, 19, 1556.	2.1	46
11	A smartphoneâ€“based augmented reality system for university students for learning digital electronics. <i>Computer Applications in Engineering Education</i> , 2019, 27, 615-630.	2.2	18
12	Handheld augmented reality system for resistive electric circuits understanding for undergraduate students. <i>Computer Applications in Engineering Education</i> , 2018, 26, 602-616.	2.2	27
13	EEG Signal Implementation of Movement Intention for the Teleoperation of the Mobile Differential Robot. <i>Studies in Computational Intelligence</i> , 2017, , 333-355.	0.7	0
14	Face Classification by Local Texture Analysis through CBIR and SURF Points. <i>IEEE Latin America Transactions</i> , 2016, 14, 2418-2424.	1.2	7
15	A New 3-D Environment Tool For Electric Circuits Simulator. <i>Canadian Journal of Electrical and Computer Engineering</i> , 2016, 39, 210-218.	1.5	1
16	EEG Pattern Recognition: An Efficient Improvement Combination of ERD/ERS/Laterality Features to Create a Self-paced BCI System. <i>Lecture Notes in Computer Science</i> , 2016, , 231-240.	1.0	4
17	A Genetic Algorithm Applied to Content-Based Image Retrieval for Natural Scenes Classification. , 2014, , ,		4
18	Monocular Visual Odometry Based Navigation for a Differential Mobile Robot with Android OS. <i>Lecture Notes in Computer Science</i> , 2014, , 281-292.	1.0	6

#	ARTICLE	IF	CITATIONS
19	Self organizing natural scene image retrieval. Expert Systems With Applications, 2013, 40, 2398-2409.	4.4	27
20	EEG PATTERN RECOGNITION: Application to a Real Time Control System for Android-Based Mobile Devices. Lecture Notes in Computer Science, 2013, , 232-241.	1.0	2
21	Separation of core losses in distribution transformers using experimental methods. Canadian Journal of Electrical and Computer Engineering, 2010, 35, 33-39.	1.5	10
22	High-order statistical texture analysisâ€“font recognition applied. Pattern Recognition Letters, 2005, 26, 135-145.	2.6	34
23	A comprehensive finite-element model of a turbine-generator infinite-busbar system. Finite Elements in Analysis and Design, 2004, 40, 485-509.	1.7	11
24	Three Comparative Methods for Mammograms Segmentation: by Master-Slave Algorithm and by Two Parallel Fusion Algorithms. , 2003, , 198-202.		0