Amadeo Argüelles

List of Publications by Year
in descending order

31 papers	247 citations	1039406 9 h-index	996533 15 g-index
32 all docs	32 docs citations	32 times ranked	317 citing authors

#	Article	IF	Citations
1	Pattern recognition for electroencephalographic signals based on continuous neural networks. Neural Networks, 2016, 79, 88-96.	3.3	33
2	An associative memory approach to medical decision support systems. Computer Methods and Programs in Biomedicine, 2012, 106, 287-307.	2.6	31
3	Collaborative learning in postgraduate level courses. Computers in Human Behavior, 2015, 51, 938-944.	5.1	21
4	Collaborative learning based on associative models: Application to pattern classification in medical datasets. Computers in Human Behavior, 2015, 51, 771-779.	5.1	17
5	Theoretical Foundations for the Alpha-Beta Associative Memories: 10 Years of Derived Extensions, Models, and Applications. Neural Processing Letters, 2018, 48, 811-847.	2.0	17
6	Hand Movement Classification Using Burg Reflection Coefficients. Sensors, 2019, 19, 475.	2.1	13
7	Adaptive Identifier for Uncertain Complex Nonlinear Systems Based on Continuous Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 483-494.	7.2	11
8	AISAC: An Artificial Immune System for Associative Classification Applied to Breast Cancer Detection. Applied Sciences (Switzerland), 2020, 10, 515.	1.3	11
9	GNSS Receiver Based on a SDR Architecture Using FPGA Devices. , 2011, , .		10
10	Continuous neural identifier for uncertain nonlinear systems with time delays in the input signal. Neural Networks, 2014, 60, 53-66.	3.3	10
11	Green Information Technology influence on car owners' behavior: Considerations for their operative support in collaborative eLearning and social networks. Computers in Human Behavior, 2015, 51, 792-802.	5.1	10
12	A Real Time Artificial Vision Implementation for Quality Inspection of Industrial Products. , 2008, , .		7
13	BDD-based Algorithm for the Minimum Spanning Tree in Wireless Ad-hoc Network Routing. IEEE Latin America Transactions, 2013, 11, 600-601.	1.2	7
14	Automatic electroencephalographic information classifier based on recurrent neural networks. International Journal of Machine Learning and Cybernetics, 2019, 10, 2283-2295.	2.3	7
15	System for Face Recognition under Different Facial Expressions Using a New Associative Hybrid Model AmÎ±Î²-KNN for People with Visual Impairment or Prosopagnosia. Sensors, 2019, 19, 578.	2.1	6
16	A Novel Bio-Inspired Method for Early Diagnosis of Breast Cancer through Mammographic Image Analysis. Applied Sciences (Switzerland), 2019, 9, 4492.	1.3	6
17	Education in Latin America: Toward the Digital Transformation in Universities. Lecture Notes in Educational Technology, 2021, , 93-108.	0.5	6
18	Adaptive identifier for uncertain complex-valued discrete-time nonlinear systems based on recurrent neural networks. Neural Processing Letters, 2016, 43, 133-153.	2.0	4

#	Article	IF	Citations
19	FPGA Implementation of Parallel Alpha-Beta Associative Memories. Lecture Notes in Computer Science, 2008, , 1081-1090.	1.0	3
20	Optimized Associative Memories for Feature Selection. Lecture Notes in Computer Science, 2007, , 435-442.	1.0	3
21	Tweets Monitoring for Real-Time Emergency Events Detection in Smart Campus. Lecture Notes in Computer Science, 2020, , 205-213.	1.0	3
22	Pattern recognition and classification using weightless neural networks (WNN) and Steinbuch Lernmatrix. , 2005, , .		2
23	Simplification of the Learning Phase in the Alpha-Beta Associative Memories. , 2008, , .		2
24	Continuous Neural Networks for Electroencephalography Waveform Classification. , 2012, , .		2
25	Windowed electroencephalographic signal classifier based on continuous neural networks with delays in the input. Expert Systems With Applications, 2017, 68, 1-10.	4.4	2
26	An embedded system application to monitoring micro-climates oriented to smart cities. , 2015, , .		1
27	Mobile System Surveillance for Vehicular Pollutants Emission, Based on Wi-Fi Ad-Hoc Network. Lecture Notes in Computer Science, 2013, , 294-302.	1.0	1
28	CAINN - Weightless Alpha-Beta Neural Network. , 2008, , .		0
29	Continuous neural identifier for uncertain nonlinear systems with time delays in the input signal. , 2013, , .		0
30	Prediction of CO and NOx Levels in Mexico City Using Associative Models. International Federation for Information Processing, 2011, , 313-322.	0.4	0
31	An Embedded Application System for Data Collection of Atmospheric Pollutants with a Classification Approach. Lecture Notes in Computer Science, 2015, , 560-571.	1.0	0