Alejandro Baldominos

List of Publications by Citations

25 papers	398 citations	11 h-index	19 g-index
29 ext. papers	588 ext. citations	2.8 avg, IF	4.48 L-index

#	Paper	IF	Citations
25	Evolutionary convolutional neural networks: An application to handwriting recognition. *Neurocomputing*, **2018**, 283, 38-52	5.4	89
24	A Survey of Handwritten Character Recognition with MNIST and EMNIST. *Applied Sciences (Switzerland)*, **2019**, 9, 3169	2.6	47
23	An Approach to Physical Rehabilitation Using State-of-the-art Virtual Reality and Motion Tracking Technologies. *Procedia Computer Science*, **2015**, 64, 10-16	1.6	33
22	Identifying Real Estate Opportunities Using Machine Learning. *Applied Sciences (Switzerland)*, **2018**, 8, 2321	2.6	31
21	Coin.AI: A Proof-of-Useful-Work Scheme for Blockchain-Based Distributed Deep Learning. *Entropy*, **2019**, 21,	2.8	22
20	A Comparison Study of Classifier Algorithms for Cross-Person Physical Activity Recognition. *Sensors*, **2016**, 17,	3.8	21
19	**2014**,		21
18	Evolutionary Design of Convolutional Neural Networks for Human Activity Recognition in Sensor-Rich Environments. *Sensors*, **2018**, 18,	3.8	19
17	On the automated, evolutionary design of neural networks: past, present, and future. *Neural Computing and Applications*, **2020**, 32, 519-545	4.8	19
16	Hybridizing Evolutionary Computation and Deep Neural Networks: An Approach to Handwriting Recognition Using Committees and Transfer Learning. *Complexity*, **2019**, 2019, 1-16	1.6	18
15	A Comparison of Machine Learning and Deep Learning Techniques for Activity Recognition using Mobile Devices. *Sensors*, **2019**, 19,	3.8	17
14	Optimizing EEG energy-based seizure detection using genetic algorithms **2017**,		9
13	Predicting Infections Using Computational Intelligence A Systematic Review. *IEEE Access*, **2020**, 8, 31083-31102	3.3	7
12	Digital Teaching Materials and Their Relationship with the Metacognitive Skills of Students in Primary Education. *Education Sciences*, **2020**, 10, 113	2.2	6
11	Data-Driven Interaction Review of an Ed-Tech Application. *Sensors*, **2019**, 19,	3.8	5
10	**2017**,		5
9	Model Selection in Committees of Evolved Convolutional Neural Networks Using Genetic Algorithms. *Lecture Notes in Computer Science*, **2018**, 364-373	0.9	5

LIST OF PUBLICATIONS

8	Feature Set Optimization for Physical Activity Recognition Using Genetic Algorithms **2015**,		4
7	Infection prediction using physiological and social data in social environments. *Information Processing and Management*, **2020**, 57, 102213	6.3	4
6	An efficient and scalable recommender system for the smart web **2015**,		3
5	Beyond social graphs: mining patterns underlying social interactions. *Pattern Analysis and Applications*, **2017**, 20, 269-285	2.3	2
4	Improving Children's Experience on a Mobile EdTech Platform through a Recommender System. *Mobile Information Systems*, **2018**, 2018, 1-8	1.4	2
3	On Computer-Aided Prognosis of Septic Shock from Vital Signs **2019**,		1
2	An Exploratory Analysis of the Implementation and Use of an Intelligent Platform for Learning in Primary Education. *Applied Sciences (Switzerland)*, **2020**, 10, 983	2.6	1
1	Learning Levels of Mario AI Using Genetic Algorithms. *Lecture Notes in Computer Science*, **2015**, 267-277	0.9	1