

Daniel Rivero

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,713
citations

623574

14
h-index

330025

37
g-index

52
all docs

52
docs citations

52
times ranked

1626
citing authors

#	ARTICLE	IF	CITATIONS
1	Epileptic seizure detection using multiwavelet transform based approximate entropy and artificial neural networks. Journal of Neuroscience Methods, 2010, 193, 156-163.	1.3	363
2	Automatic epileptic seizure detection in EEGs based on line length feature and artificial neural networks. Journal of Neuroscience Methods, 2010, 191, 101-109.	1.3	360
3	Automatic feature extraction using genetic programming: An application to epileptic EEG classification. Expert Systems With Applications, 2011, 38, 10425-10436.	4.4	222
4	Classification of EEG signals using relative wavelet energy and artificial neural networks. , 2009, , .		126
5	A Public Domain Dataset for Real-Life Human Activity Recognition Using Smartphone Sensors. Sensors, 2020, 20, 2200.	2.1	90
6	Determination of the unit hydrograph of a typical urban basin using genetic programming and artificial neural networks. Hydrological Processes, 2007, 21, 476-485.	1.1	66
7	Prediction and modeling of the rainfall-runoff transformation of a typical urban basin using ann and gp. Applied Artificial Intelligence, 2003, 17, 329-343.	2.0	62
8	Determination of egg storage time at room temperature using a low-cost NIR spectrometer and machine learning techniques. Computers and Electronics in Agriculture, 2018, 145, 1-10.	3.7	55
9	A review of artificial intelligence applied to path planning in UAV swarms. Neural Computing and Applications, 2022, 34, 153-170.	3.2	44
10	A New Approach to the Extraction of ANN Rules and to Their Generalization Capacity Through GP. Neural Computation, 2004, 16, 1483-1523.	1.3	34
11	Convolutional neural networks for sleep stage scoring on a two-channel EEG signal. Soft Computing, 2020, 24, 4067-4079.	2.1	32
12	Generation and simplification of Artificial Neural Networks by means of Genetic Programming. Neurocomputing, 2010, 73, 3200-3223.	3.5	29
13	Modifying genetic programming for artificial neural network development for data mining. Soft Computing, 2009, 13, 291-305.	2.1	20
14	EEG signal processing with separable convolutional neural network for automatic scoring of sleeping stage. Neurocomputing, 2020, 410, 220-228.	3.5	19
15	Classification of signals by means of Genetic Programming. Soft Computing, 2013, 17, 1929-1937.	2.1	18
16	A new signal classification technique by means of Genetic Algorithms and kNN. , 2011, , .		15
17	Automated early detection of drops in commercial egg production using neural networks. British Poultry Science, 2017, 58, 739-747.	0.8	14
18	Prediction and Modelling of the Flow of a Typical Urban Basin through Genetic Programming. Lecture Notes in Computer Science, 2002, , 190-201.	1.0	14

#	ARTICLE	IF	CITATIONS
19	UAV swarm path planning with reinforcement learning for field prospecting. Applied Intelligence, 2022, 52, 14101-14118.	3.3	14
20	Automatic seizure detection based on star graph topological indices. Journal of Neuroscience Methods, 2012, 209, 410-419.	1.3	13
21	Using genetic algorithms and k-nearest neighbour for automatic frequency band selection for signal classification. IET Signal Processing, 2012, 6, 186.	0.9	11
22	A Genetic Algorithm for ANN Design, Training and Simplification. Lecture Notes in Computer Science, 2009, , 391-398.	1.0	11
23	Time Series Forecast with Anticipation Using Genetic Programming. Lecture Notes in Computer Science, 2005, , 968-975.	1.0	10
24	Using genetic algorithms for automatic recurrent ANN development: an application to EEG signal classification. International Journal of Data Mining, Modelling and Management, 2013, 5, 182.	0.1	7
25	DoME: A deterministic technique for equation development and Symbolic Regression. Expert Systems With Applications, 2022, 198, 116712.	4.4	7
26	Using Genetic Programming for Character Discrimination in Damaged Documents. Lecture Notes in Computer Science, 2004, , 349-358.	1.0	6
27	Automatic Design of ANNs by Means of GP for Data Mining Tasks: Iris Flower Classification Problem. Lecture Notes in Computer Science, 2007, , 276-285.	1.0	6
28	Using recurrent ANNs for the detection of epileptic seizures in EEG signals. , 2011, , .		5
29	Using Artificial Neural Networks for Identifying Patients with Mild Cognitive Impairment Associated with Depression Using Neuropsychological Test Features. Applied Sciences (Switzerland), 2018, 8, 1629.	1.3	4
30	Population subset selection for the use of a validation dataset for overfitting control in genetic programming. Journal of Experimental and Theoretical Artificial Intelligence, 2020, 32, 243-271.	1.8	4
31	Classical Music Prediction and Composition by Means of Variational Autoencoders. Applied Sciences (Switzerland), 2020, 10, 3053.	1.3	4
32	Evolving simple feed-forward and recurrent ANNs for signal classification: A comparison. , 2009, , .		3
33	Applied Computational Techniques on Schizophrenia Using Genetic Mutations. Current Topics in Medicinal Chemistry, 2013, 13, 675-684.	1.0	3
34	Machine learning in management of precautionary closures caused by lipophilic biotoxins. Computers and Electronics in Agriculture, 2022, 197, 106956.	3.7	3
35	Classification of Two-channel Signals by Means of Genetic Programming. , 2015, , .		1
36	Estimation of the Alcoholic Degree in Beers through Near Infrared Spectrometry Using Machine Learning. Proceedings (mdpi), 2019, 21, .	0.2	1

#	ARTICLE	IF	CITATIONS
37	Application of Artificial Neural Networks for the Monitoring of Episodes of High Toxicity by DSP in Mussel Production Areas in Galicia. Proceedings (mdpi), 2020, 54, 12.	0.2	1
38	Genetic Programming for Prediction of Water Flow and Transport of Solids in a Basin. Lecture Notes in Computer Science, 2011, , 223-232.	1.0	1
39	Clustering of Gene Expression Profiles Applied to Marine Research. Lecture Notes in Computer Science, 2013, , 453-462.	1.0	1
40	Using Reinforcement Learning in the Path Planning of Swarms of UAVs for the Photographic Capture of Terrains. Engineering Proceedings, 2021, 7, 32.	0.4	1
41	Database Analysis with ANNs by means of Graph Evolution. , 2013, , 704-718.		1
42	Database Analysis with ANNs by means of Graph Evolution. , 0, , 79-93.		1
43	Development of a Server for the Implementation of Data Processing Pipelines and ANN Training. Engineering Proceedings, 2021, 7, .	0.4	0
44	Detection of Chocolate Properties Using Near-Infrared Spectrophotometry. Engineering Proceedings, 2021, 7, 37.	0.4	0
45	Using Genetic Programming to Extract Knowledge from Artificial Neural Networks. , 2006, , 116-140.		0
46	Using Genetic Programming to Extract Knowledge from Artificial Neural Networks. , 2008, , 308-327.		0
47	Evolutionary Development of ANNs for Data Mining. , 2009, , 829-835.		0
48	A Soft Computing Overview. , 2010, , 1-11.		0
49	Artificial Cells for Information Processing: Iris Classification. Lecture Notes in Computer Science, 2011, , 44-52.	1.0	0
50	Detection of Bovine Mastitis in Raw Milk, Using a Low-Cost NIR Spectrometer and k-NN Algorithm. Applied Sciences (Switzerland), 2021, 11, 10751.	1.3	0