

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	A review of artificial intelligence applied to path planning in UAV swarms. <i>Neural Computing and Applications</i> , 2022, 34, 153-170.	3.2	44
2	UAV swarm path planning with reinforcement learning for field prospecting. <i>Applied Intelligence</i> , 2022, 52, 14101-14118.	3.3	14
3	DoME: A deterministic technique for equation development and Symbolic Regression. <i>Expert Systems With Applications</i> , 2022, 198, 116712.	4.4	7
4	Machine learning in management of precautionary closures caused by lipophilic biotoxins. <i>Computers and Electronics in Agriculture</i> , 2022, 197, 106956.	3.7	3
5	Development of a Server for the Implementation of Data Processing Pipelines and ANN Training. <i>Engineering Proceedings</i> , 2021, 7, .	0.4	0
6	Detection of Chocolate Properties Using Near-Infrared Spectrophotometry. <i>Engineering Proceedings</i> , 2021, 7, 37.	0.4	0
7	Using Reinforcement Learning in the Path Planning of Swarms of UAVs for the Photographic Capture of Terrains. <i>Engineering Proceedings</i> , 2021, 7, 32.	0.4	1
8	Detection of Bovine Mastitis in Raw Milk, Using a Low-Cost NIR Spectrometer and k-NN Algorithm. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10751.	1.3	0
9	Population subset selection for the use of a validation dataset for overfitting control in genetic programming. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2020, 32, 243-271.	1.8	4
10	Convolutional neural networks for sleep stage scoring on a two-channel EEG signal. <i>Soft Computing</i> , 2020, 24, 4067-4079.	2.1	32
11	Application of Artificial Neural Networks for the Monitoring of Episodes of High Toxicity by DSP in Mussel Production Areas in Galicia. <i>Proceedings (mdpi)</i> , 2020, 54, 12.	0.2	1
12	Classical Music Prediction and Composition by Means of Variational Autoencoders. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3053.	1.3	4
13	EEG signal processing with separable convolutional neural network for automatic scoring of sleeping stage. <i>Neurocomputing</i> , 2020, 410, 220-228.	3.5	19
14	A Public Domain Dataset for Real-Life Human Activity Recognition Using Smartphone Sensors. <i>Sensors</i> , 2020, 20, 2200.	2.1	90
15	Estimation of the Alcoholic Degree in Beers through Near Infrared Spectrometry Using Machine Learning. <i>Proceedings (mdpi)</i> , 2019, 21, .	0.2	1
16	Determination of egg storage time at room temperature using a low-cost NIR spectrometer and machine learning techniques. <i>Computers and Electronics in Agriculture</i> , 2018, 145, 1-10.	3.7	55
17	Using Artificial Neural Networks for Identifying Patients with Mild Cognitive Impairment Associated with Depression Using Neuropsychological Test Features. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1629.	1.3	4
18	Automated early detection of drops in commercial egg production using neural networks. <i>British Poultry Science</i> , 2017, 58, 739-747.	0.8	14

#	ARTICLE	IF	CITATIONS
19	Classification of Two-channel Signals by Means of Genetic Programming. , 2015, , .		1
20	Classification of signals by means of Genetic Programming. Soft Computing, 2013, 17, 1929-1937.	2.1	18
21	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
22	Clustering of Gene Expression Profiles Applied to Marine Research. Lecture Notes in Computer Science, 2013, , 453-462.	1.0	1
23	Applied Computational Techniques on Schizophrenia Using Genetic Mutations. Current Topics in Medicinal Chemistry, 2013, 13, 675-684.	1.0	3
24	Database Analysis with ANNs by means of Graph Evolution. , 2013, , 704-718.		1
25	Automatic seizure detection based on star graph topological indices. Journal of Neuroscience Methods, 2012, 209, 410-419.	1.3	13
26	Using genetic algorithms and k-nearest neighbour for automatic frequency band selection for signal classification. IET Signal Processing, 2012, 6, 186.	0.9	11
27	A new signal classification technique by means of Genetic Algorithms and kNN. , 2011, , .		15
28	Using recurrent ANNs for the detection of epileptic seizures in EEG signals. , 2011, , .		5
29	Automatic feature extraction using genetic programming: An application to epileptic EEG classification. Expert Systems With Applications, 2011, 38, 10425-10436.	4.4	222
30	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
31	Artificial Cells for Information Processing: Iris Classification. Lecture Notes in Computer Science, 2011, , 44-52.	1.0	0
32	Generation and simplification of Artificial Neural Networks by means of Genetic Programming. Neurocomputing, 2010, 73, 3200-3223.	3.5	29
33	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
34	Epileptic seizure detection using multiwavelet transform based approximate entropy and artificial neural networks. Journal of Neuroscience Methods, 2010, 193, 156-163.	1.3	363
35	A Soft Computing Overview. , 2010, , 1-11.		0
36	Modifying genetic programming for artificial neural network development for data mining. Soft Computing, 2009, 13, 291-305.	2.1	20

#	ARTICLE	IF	CITATIONS
37	Classification of EEG signals using relative wavelet energy and artificial neural networks. , 2009, , .		126
38	Evolving simple feed-forward and recurrent ANNs for signal classification: A comparison. , 2009, , .		3
39	A Genetic Algorithm for ANN Design, Training and Simplification. Lecture Notes in Computer Science, 2009, , 391-398.	1.0	11
40	Evolutionary Development of ANNs for Data Mining. , 2009, , 829-835.		0
41	Using Genetic Programming to Extract Knowledge from Artificial Neural Networks. , 2008, , 308-327.		0
42	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
43	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
44	Using Genetic Programming to Extract Knowledge from Artificial Neural Networks. , 2006, , 116-140.		0
45	Time Series Forecast with Anticipation Using Genetic Programming. Lecture Notes in Computer Science, 2005, , 968-975.	1.0	10
46	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
47	Using Genetic Programming for Character Discrimination in Damaged Documents. Lecture Notes in Computer Science, 2004, , 349-358.	1.0	6
48	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
49	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
50	Database Analysis with ANNs by means of Graph Evolution. , 0, , 79-93.		1