

# Enrique Fernández Blanco

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8741715/publications.pdf>

Version: 2024-02-01

39  
papers

720  
citations

567144

15  
h-index

552653

26  
g-index

41  
all docs

41  
docs citations

41  
times ranked

762  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Public Domain Dataset for Real-Life Human Activity Recognition Using Smartphone Sensors. <i>Sensors</i> , 2020, 20, 2200.	2.1	90
2	Automatic assessment of Alzheimer's disease diagnosis based on deep learning techniques. <i>Computers in Biology and Medicine</i> , 2020, 120, 103764.	3.9	71
3	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
4	Drug Discovery and Design for Complex Diseases through QSAR Computational Methods. <i>Current Pharmaceutical Design</i> , 2010, 16, 2640-2655.	0.9	50
5	Early warning in egg production curves from commercial hens: A SVM approach. <i>Computers and Electronics in Agriculture</i> , 2016, 121, 169-179.	3.7	47
6	Random Forest classification based on star graph topological indices for antioxidant proteins. <i>Journal of Theoretical Biology</i> , 2013, 317, 331-337.	0.8	45
7	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
8	Convolutional neural networks for sleep stage scoring on a two-channel EEG signal. <i>Soft Computing</i> , 2020, 24, 4067-4079.	2.1	32
9	Artificial Neuron-Glia Networks Learning Approach Based on Cooperative Coevolution. <i>International Journal of Neural Systems</i> , 2015, 25, 1550012.	3.2	30
10	Optimization of NIR calibration models for multiple processes in the sugar industry. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 159, 45-57.	1.8	28
11	Naïve Bayes QSDR classification based on spiral-graph Shannon entropies for protein biomarkers in human colon cancer. <i>Molecular BioSystems</i> , 2012, 8, 1716.	2.9	26
12	Classification of signaling proteins based on molecular star graph descriptors using Machine Learning models. <i>Journal of Theoretical Biology</i> , 2015, 384, 50-58.	0.8	25
13	Improving enzyme regulatory protein classification by means of SVM-RFE feature selection. <i>Molecular BioSystems</i> , 2014, 10, 1063.	2.9	20
14	EEG signal processing with separable convolutional neural network for automatic scoring of sleeping stage. <i>Neurocomputing</i> , 2020, 410, 220-228.	3.5	19
15	Classification of signals by means of Genetic Programming. <i>Soft Computing</i> , 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. <i>British Poultry Science</i> , 2017, 58, 739-747.	0.8	14
18	UAV swarm path planning with reinforcement learning for field prospecting. <i>Applied Intelligence</i> , 2022, 52, 14101-14118.	3.3	14

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19	Automatic seizure detection based on star graph topological indices. <i>Journal of Neuroscience Methods</i> , 2012, 209, 410-419.	1.3	13
20	A Genetic Algorithm for ANN Design, Training and Simplification. <i>Lecture Notes in Computer Science</i> , 2009, , 391-398.	1.0	11
21	Using genetic algorithms for automatic recurrent ANN development: an application to EEG signal classification. <i>International Journal of Data Mining, Modelling and Management</i> , 2013, 5, 182.	0.1	7
22	DoME: A deterministic technique for equation development and Symbolic Regression. <i>Expert Systems With Applications</i> , 2022, 198, 116712.	4.4	7
23	Using recurrent ANNs for the detection of epileptic seizures in EEG signals. , 2011, , .		5
24	Prediction of Nucleotide Binding Peptides Using Star Graph Topological Indices. <i>Molecular Informatics</i> , 2015, 34, 736-741.	1.4	5
25	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
26	Classical Music Prediction and Composition by Means of Variational Autoencoders. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3053.	1.3	4
27	Machine learning in management of precautionary closures caused by lipophilic biotoxins. <i>Computers and Electronics in Agriculture</i> , 2022, 197, 106956.	3.7	3
28	A Hybrid Evolutionary System for Automated Artificial Neural Networks Generation and Simplification in Biomedical Applications. <i>Current Bioinformatics</i> , 2015, 10, 672-691.	0.7	2
29	Classification of Two-channel Signals by Means of Genetic Programming. , 2015, , .		1
30	Estimation of the Alcoholic Degree in Beers through Near Infrared Spectrometry Using Machine Learning. <i>Proceedings (mdpi)</i> , 2019, 21, .	0.2	1
31	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
32	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
33	System for Automatic Assessment of Alzheimer's Disease Diagnosis Based on Deep Learning Techniques. <i>Proceedings (mdpi)</i> , 2019, 21, 28.	0.2	0
34	Development of a Server for the Implementation of Data Processing Pipelines and ANN Training. <i>Engineering Proceedings</i> , 2021, 7, .	0.4	0
35	Detection of Chocolate Properties Using Near-Infrared Spectrophotometry. <i>Engineering Proceedings</i> , 2021, 7, 37.	0.4	0
36	Artificial Cell Systems Based in Gene Expression Protein Effects. , 2009, , 146-164.		0

#	ARTICLE	IF	CITATIONS
37	Artificial Cell Model Used for Information Processing. , 2010, , 12-29.		0
38	Artificial Cells for Information Processing: Iris Classification. Lecture Notes in Computer Science, 2011, , 44-52.	1.0	0
39	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