

# Noel PÃ©rez PÃ©rez

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

242  
citations

1163117  
8  
h-index

1125743  
13  
g-index

30  
all docs

30  
docs citations

30  
times ranked

240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the Mann-Whitney statistical test for feature selection: An approach in breast cancer diagnosis on mammography. Artificial Intelligence in Medicine, 2015, 63, 19-31.	6.5	58
2	ESeismic: Towards an Ecuadorian volcano seismic repository. Journal of Volcanology and Geothermal Research, 2020, 396, 106855.	2.1	23
3	Combining Filter-Based Feature Selection Methods and Gaussian Mixture Model for the Classification of Seismic Events From Cotopaxi Volcano. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1991-2003.	4.9	22
4	A New Volcanic Seismic Signal Descriptor and its Application to a Data Set From the Cotopaxi Volcano. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6493-6503.	6.3	17
5	Improving the performance of machine learning classifiers for Breast Cancer diagnosis based on feature selection. , 0, , .		16
6	Exploring the unsupervised classification of seismic events of Cotopaxi volcano. Journal of Volcanology and Geothermal Research, 2020, 403, 107009.	2.1	16
7	Automatic ladybird beetle detection using deep-learning models. PLoS ONE, 2021, 16, e0253027.	2.5	14
8	ESeismic-GAN: A Generative Model for Seismic Events From Cotopaxi Volcano. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7111-7120.	4.9	10
9	Spontaneous Intracerebral Hemorrhage Image Analysis Methods: A Survey. , 2009, , 235-251.		10
10	Building Machine Learning Models for Long-Period and Volcano-Tectonic Event Classification. , 2019, , .		9
11	An approach to automatic classification of Culicoides species by learning the wing morphology. PLoS ONE, 2020, 15, e0241798.	2.5	8
12	Deep-Learning for Volcanic Seismic Events Classification. , 2020, , .		6
13	Benchmarking Seismic-Based Feature Groups to Classify the Cotopaxi Volcanic Activity. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
14	Volcanic Seismic Event Classification based on CNN Architectures. , 2020, , .		5
15	Improving breast cancer classification with mammography, supported on an appropriate variable selection analysis. , 2013, , .		4
16	Toward Real-Time Volcano Seismic Eventsâ€™ Classification: A New Approach Using Mathematical Morphology and Similarity Criteria. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	4
17	On finding possible frequencies for recognizing microearthquakes at Cotopaxi volcano: A machine learning based approach. Journal of Volcanology and Geothermal Research, 2020, 407, 107092.	2.1	3
18	Hammerhead Shark Species Monitoring with Deep Learning. Communications in Computer and Information Science, 2021, , 45-59.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Coccinellidae Beetle Specimen Detection Using Convolutional Neural Networks. , 2021, , .		3
20	Tracking Hammerhead Sharks With Deep Learning. , 2020, , .		2
21	Towards Automatic Comparison of Online Campaign Versus Electoral Manifestos. Communications in Computer and Information Science, 2021, , 60-73.	0.5	1
22	Set of Methods for Spontaneous ICH Segmentation and Tracking from CT Head Images. , 2007, , 212-220.		1
23	Understanding the Energy Saving Potential of Smart Scale Selection in the Viola and Jones Facial Detection Algorithm. , 2017, , .		1
24	An Android App to Classify Culicoides Pusillus and Obsoletus Species. Communications in Computer and Information Science, 2021, , 31-44.	0.5	0
25	Seismic Event Classification Using Spectrograms and Deep Neural Nets. Communications in Computer and Information Science, 2021, , 16-30.	0.5	0
26	BeetleID: An Android Solution to Detect Ladybird Beetles. , 2021, , .		0
27	Path Planning Optimization in SDN Using Machine Learning Techniques. , 2021, , .		0