SimÃ³n Orozco-Arias

List of Publications by Year
in descending order

28	435	840585 11	752573 20
papers	citations	h-index	g-index

30	30	30	273
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-subject Identification of Hand Movements Using Machine Learning. Lecture Notes in Networks and Systems, 2022, , 117-128.	0.5	3
2	Coffee Maturity Classification Using Convolutional Neural Networks and Transfer Learning. IEEE Access, 2022, 10, 42971-42982.	2.6	8
3	Deep Learning Applied to COVID-19 Detection in X-Ray Images. Advances in Medical Diagnosis, Treatment, and Care, 2022, , 202-247.	0.1	0
4	Composition and Diversity of LTR Retrotransposons in the Coffee Leaf Rust Genome (Hemileia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.3	0
5	Automatic curation of LTR retrotransposon libraries from plant genomes through machine learning. Journal of Integrative Bioinformatics, 2022, .	1.0	1
6	GBRAS-Net: A Convolutional Neural Network Architecture for Spatial Image Steganalysis. IEEE Access, 2021, 9, 14340-14350.	2.6	43
7	InpactorDB: A Classified Lineage-Level Plant LTR Retrotransposon Reference Library for Free-Alignment Methods Based on Machine Learning. Genes, 2021, 12, 190.	1.0	14
8	The absence of the caffeine synthase gene is involved in the naturally decaffeinated status of Coffea humblotiana, a wild species from Comoro archipelago. Scientific Reports, 2021, 11, 8119.	1.6	17
9	Strategy to improve the accuracy of convolutional neural network architectures applied to digital image steganalysis in the spatial domain. PeerJ Computer Science, 2021, 7, e451.	2.7	11
10	K-mer-based machine learning method to classify LTR-retrotransposons in plant genomes. PeerJ, 2021, 9, e11456.	0.9	13
11	Sensitivity of deep learning applied to spatial image steganalysis. PeerJ Computer Science, 2021, 7, e616.	2.7	10
12	COVID-19 detection in X-ray images using convolutional neural networks. Machine Learning With Applications, 2021, 6, 100138.	3.0	57
13	SENMAP: A Convolutional Neural Network Architecture for Curation of LTR-RT Libraries from Plant Genomes. , 2021, , .		2
14	Machine learning applications to predict two-phase flow patterns. PeerJ Computer Science, 2021, 7, e798.	2.7	12
15	TIP_finder: An HPC Software to Detect Transposable Element Insertion Polymorphisms in Large Genomic Datasets. Biology, 2020, 9, 281.	1.3	3
16	Digital media steganalysis. , 2020, , 259-293.		13
17	Measuring Performance Metrics of Machine Learning Algorithms for Detecting and Classifying Transposable Elements. Processes, 2020, 8, 638.	1.3	25
18	A comparative study of machine learning and deep learning algorithms to classify cancer types based on microarray gene expression data. PeerJ Computer Science, 2020, 6, e270.	2.7	55

#	Article	IF	Citations
19	Retrotransposons in Plant Genomes: Structure, Identification, and Classification through Bioinformatics and Machine Learning. International Journal of Molecular Sciences, 2019, 20, 3837.	1.8	56
20	A Machine Learning-based Pipeline for the Classification of CTX-M in Metagenomics Samples. Processes, 2019, 7, 235.	1.3	5
21	A systematic review of the application of machine learning in the detection and classification of transposable elements. PeerJ, 2019, 7, e8311.	0.9	22
22	Worldwide co-occurrence analysis of 17 species of the genus Brachypodium using data mining. PeerJ, 2019, 6, e6193.	0.9	1
23	Structure and Distribution of Centromeric Retrotransposons at Diploid and Allotetraploid Coffea Centromeric and Pericentromeric Regions. Frontiers in Plant Science, 2018, 9, 175.	1.7	31
24	Inpactor, Integrated and Parallel Analyzer and Classifier of LTR Retrotransposons and Its Application for Pineapple LTR Retrotransposons Diversity and Dynamics. Biology, 2018, 7, 32.	1.3	21
25	Application of Data Mining Algorithms to Classify Biological Data: The Coffea canephora Genome Case. Communications in Computer and Information Science, 2017, , 156-170.	0.4	7
26	Parallel Programming in Biological Sciences, Taking Advantage of Supercomputing in Genomics. Communications in Computer and Information Science, 2017, , 627-643.	0.4	2
27	BIOS-ParallelBlast: ParalelizaciÃ³n optimizada de alineamiento de secuencias sobre Xeon Phi. IngenierÃa InvestigaciÃ³n Y TecnologÃa, 2017, 18, 423-432.	0.2	0
28	AplicaciÃ³n de la Inteligencia Artificial en la BioinformÃ¡tica, avances, definiciones y herramientas.. UGCiencia, 2016, 22, 159.	0.1	3