

Simón Orozco-Arias

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

435
citations

840585

11
h-index

752573

20
g-index

30
all docs

30
docs citations

30
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 detection in X-ray images using convolutional neural networks. Machine Learning With Applications, 2021, 6, 100138.	3.0	57
2	Retrotransposons in Plant Genomes: Structure, Identification, and Classification through Bioinformatics and Machine Learning. International Journal of Molecular Sciences, 2019, 20, 3837.	1.8	56
3	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
4	GBRAS-Net: A Convolutional Neural Network Architecture for Spatial Image Steganalysis. IEEE Access, 2021, 9, 14340-14350.	2.6	43
5	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
6	Measuring Performance Metrics of Machine Learning Algorithms for Detecting and Classifying Transposable Elements. Processes, 2020, 8, 638.	1.3	25
7	A systematic review of the application of machine learning in the detection and classification of transposable elements. PeerJ, 2019, 7, e8311.	0.9	22
8	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
9	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
10	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
11	Digital media steganalysis. , 2020, , 259-293.		13
12	<i>K</i>-mer-based machine learning method to classify LTR-retrotransposons in plant genomes. PeerJ, 2021, 9, e11456.	0.9	13
13	Machine learning applications to predict two-phase flow patterns. PeerJ Computer Science, 2021, 7, e798.	2.7	12
14	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
15	Sensitivity of deep learning applied to spatial image steganalysis. PeerJ Computer Science, 2021, 7, e616.	2.7	10
16	Coffee Maturity Classification Using Convolutional Neural Networks and Transfer Learning. IEEE Access, 2022, 10, 42971-42982.	2.6	8
17	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
18	A Machine Learning-based Pipeline for the Classification of CTX-M in Metagenomics Samples. Processes, 2019, 7, 235.	1.3	5

#	ARTICLE	IF	CITATIONS
19	TIP_finder: An HPC Software to Detect Transposable Element Insertion Polymorphisms in Large Genomic Datasets. <i>Biology</i> , 2020, 9, 281.	1.3	3
20	Multi-subject Identification of Hand Movements Using Machine Learning. <i>Lecture Notes in Networks and Systems</i> , 2022, , 117-128.	0.5	3
21	Aplicación de la Inteligencia Artificial en la Bioinformática, avances, definiciones y herramientas.. <i>UGCiencia</i> , 2016, 22, 159.	0.1	3
22	Parallel Programming in Biological Sciences, Taking Advantage of Supercomputing in Genomics. <i>Communications in Computer and Information Science</i> , 2017, , 627-643.	0.4	2
23	SENMAP: A Convolutional Neural Network Architecture for Curation of LTR-RT Libraries from Plant Genomes. , 2021, , .		2
24	Worldwide co-occurrence analysis of 17 species of the genus <i>Brachypodium</i> using data mining. <i>PeerJ</i> , 2019, 6, e6193.	0.9	1
25	Automatic curation of LTR retrotransposon libraries from plant genomes through machine learning. <i>Journal of Integrative Bioinformatics</i> , 2022, .	1.0	1
26	BIOS-ParallelBlast: Paralelización optimizada de alineamiento de secuencias sobre Xeon Phi. <i>Ingeniería Investigación Y Tecnología</i> , 2017, 18, 423-432.	0.2	0
27	Deep Learning Applied to COVID-19 Detection in X-Ray Images. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , 2022, , 202-247.	0.1	0
28	Composition and Diversity of LTR Retrotransposons in the Coffee Leaf Rust Genome (<i>Hemileia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.3	0