Francisco Gmez-Vela

List of Publications by Year in Descending Order

34 papers	381 citations	10 h-index	19 g-index
43 ext. papers	555 ext. citations	3.3 avg, IF	4.23 L-index

#	Paper	IF	Citations
34	Analysis of Electric Energy Consumption Profiles Using a Machine Learning Approach: A Paraguayan Case Study. *Electronics (Switzerland)*, **2022**, 11, 267	2.6	0
33	Distribution level electric current consumption and meteorological data set of the east region of Paraguay.. *Data in Brief*, **2022**, 40, 107699	1.2	1
32	Redundancy Is Not Necessarily Detrimental in Classification Problems. *Mathematics*, **2021**, 9, 2899	2.3	
31	Automatic Diagnosis of Ocular Toxoplasmosis from Fundus Images with Residual Neural Networks. *Studies in Health Technology and Informatics*, **2021**, 281, 173-177	0.5	0
30	Genome-wide prediction of topoisomerase III binding by architectural factors and chromatin accessibility. *PLoS Computational Biology*, **2021**, 17, e1007814	5	3
29	gMSR: A Multi-GPU Algorithm to Accelerate a Massive Validation of Biclusters. *Electronics (Switzerland)*, **2020**, 9, 1782	2.6	
28	Identifying livestock behavior patterns based on accelerometer dataset. *Journal of Computational Science*, **2020**, 41, 101076	3.4	10
27	Hybridizing Deep Learning and Neuroevolution: Application to the Spanish Short-Term Electric Energy Consumption Forecasting. *Applied Sciences (Switzerland)*, **2020**, 10, 5487	2.6	7
26	Computational Analysis of the Global Effects of in the Immune Response to Coronavirus Infection Using Gene Networks. *Genes*, **2020**, 11,	4.2	2
25	A Comparative Study of Supervised Machine Learning Algorithms for the Prediction of Long-Range Chromatin Interactions. *Genes*, **2020**, 11,	4.2	4
24	Analysis of Student Achievement Scores: A Machine Learning Approach. *Advances in Intelligent Systems and Computing*, **2020**, 275-284	0.4	1
23	Biclustering of Smart Building Electric Energy Consumption Data. *Applied Sciences (Switzerland)*, **2019**, 9, 222	2.6	2
22	A Comparative Study of Time Series Forecasting Methods for Short Term Electric Energy Consumption Prediction in Smart Buildings. *Energies*, **2019**, 12, 1934	3.1	30
21	A multivariate approach to the symmetrical uncertainty measure: Application to feature selection problem. *Information Sciences*, **2019**, 494, 1-20	7.7	10
20	Pangenome of uncovers two groups of genomes, one of them with genes involved in CRISPR/Cas defence systems associated with the absence of plasmids and exclusive genes for biofilm formation. *Microbial Genomics*, **2019**, 5,	4.4	21
19	Computational Inference of Gene Co-Expression Networks for the identification of Lung Carcinoma Biomarkers: An Ensemble Approach. *Genes*, **2019**, 10,	4.2	3
18	Ensemble and Greedy Approach for the Reconstruction of Large Gene Co-Expression Networks. *Entropy*, **2019**, 21, 1139	2.8	1

#	Publication	IF	Cit.
17	Computational methods for Gene Regulatory Networks reconstruction and analysis: A review. *Artificial Intelligence in Medicine*, **2019**, 95, 133-145	7.4	57
16	GNC-app: A new Cytoscape app to rate gene networks biological coherence using gene-gene indirect relationships. *BioSystems*, **2018**, 166, 61-65	1.9	8
15	Stacking Ensemble Learning for Short-Term Electricity Consumption Forecasting. *Energies*, **2018**, 11, 949	3.1	63
14	BIGO: A web application to analyse gene enrichment analysis results. *Computational Biology and Chemistry*, **2018**, 76, 169-178	3.6	1
13	Structure Optimization for Large Gene Networks Based on Greedy Strategy. *Computational and Mathematical Methods in Medicine*, **2018**, 2018, 9674108	2.8	6
12	Analysis of Relevance and Redundance on Topoisomerase 2b (TOP2B) Binding Sites: A Feature Selection Approach. *Lecture Notes in Computer Science*, **2018**, 86-101	0.9	
11	Bioinformatics from a Big Data Perspective: Meeting the Challenge. *Lecture Notes in Computer Science*, **2017**, 349-359	0.9	
10	GFD-Net: A novel semantic similarity methodology for the analysis of gene networks. *Journal of Biomedical Informatics*, **2017**, 68, 71-82	10.2	6
9	High-dimensional feature selection via feature grouping: A Variable Neighborhood Search approach. *Information Sciences*, **2016**, 326, 102-118	7.7	66
8	Incorporating biological knowledge for construction of fuzzy networks of gene associations. *Applied Soft Computing Journal*, **2016**, 42, 144-155	7.5	9
7	Gene network coherence based on prior knowledge using direct and indirect relationships. *Computational Biology and Chemistry*, **2015**, 56, 142-51	3.6	11
6	Gene network biological validity based on gene-gene interaction relevance. *Scientific World Journal, The*, **2014**, 2014, 540679	2.2	5
5	An effective measure for assessing the quality of biclusters. *Computers in Biology and Medicine*, **2012**, 42, 245-56	7	25
4	A multi-objective genetic algorithm for the Protein Structure Prediction **2011**,		1
3	Pattern Recognition in Biological Time Series. *Lecture Notes in Computer Science*, **2011**, 164-172	0.9	4
2	Gene Regulatory Networks Validation Framework Based in KEGG. *Lecture Notes in Computer Science*, **2011**, 279-286	0.9	0
1	Social symbol grounding and language evolution. *Interaction Studies*, **2007**, 8, 31-52	1.3	23