

# Francisco Gmez-Vela

## List of Publications by Citations

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**Version:** 2024-04-19

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	High-dimensional feature selection via feature grouping: A Variable Neighborhood Search approach. <i>Information Sciences</i> , <b>2016</b> , 326, 102-118	7.7	66
33	Stacking Ensemble Learning for Short-Term Electricity Consumption Forecasting. <i>Energies</i> , <b>2018</b> , 11, 949	3.1	63
32	Computational methods for Gene Regulatory Networks reconstruction and analysis: A review. <i>Artificial Intelligence in Medicine</i> , <b>2019</b> , 95, 133-145	7.4	57
31	A Comparative Study of Time Series Forecasting Methods for Short Term Electric Energy Consumption Prediction in Smart Buildings. <i>Energies</i> , <b>2019</b> , 12, 1934	3.1	30
30	An effective measure for assessing the quality of biclusters. <i>Computers in Biology and Medicine</i> , <b>2012</b> , 42, 245-56	7	25
29	Social symbol grounding and language evolution. <i>Interaction Studies</i> , <b>2007</b> , 8, 31-52	1.3	23
28	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. <i>Microbial Genomics</i> , <b>2019</b> , 5,	4.4	21
27	Gene network coherence based on prior knowledge using direct and indirect relationships. <i>Computational Biology and Chemistry</i> , <b>2015</b> , 56, 142-51	3.6	11
26	A multivariate approach to the symmetrical uncertainty measure: Application to feature selection problem. <i>Information Sciences</i> , <b>2019</b> , 494, 1-20	7.7	10
25	Identifying livestock behavior patterns based on accelerometer dataset. <i>Journal of Computational Science</i> , <b>2020</b> , 41, 101076	3.4	10
24	Incorporating biological knowledge for construction of fuzzy networks of gene associations. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 42, 144-155	7.5	9
23	GNC-app: A new Cytoscape app to rate gene networks biological coherence using gene-gene indirect relationships. <i>BioSystems</i> , <b>2018</b> , 166, 61-65	1.9	8
22	Hybridizing Deep Learning and Neuroevolution: Application to the Spanish Short-Term Electric Energy Consumption Forecasting. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5487	2.6	7
21	GFD-Net: A novel semantic similarity methodology for the analysis of gene networks. <i>Journal of Biomedical Informatics</i> , <b>2017</b> , 68, 71-82	10.2	6
20	Structure Optimization for Large Gene Networks Based on Greedy Strategy. <i>Computational and Mathematical Methods in Medicine</i> , <b>2018</b> , 2018, 9674108	2.8	6
19	Gene network biological validity based on gene-gene interaction relevance. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 540679	2.2	5
18	Pattern Recognition in Biological Time Series. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 164-172	0.9	4

17	A Comparative Study of Supervised Machine Learning Algorithms for the Prediction of Long-Range Chromatin Interactions. <i>Genes</i> , <b>2020</b> , 11,	4.2	4
16	Computational Inference of Gene Co-Expression Networks for the identification of Lung Carcinoma Biomarkers: An Ensemble Approach. <i>Genes</i> , <b>2019</b> , 10,	4.2	3
15	Genome-wide prediction of topoisomerase II $\alpha$ binding by architectural factors and chromatin accessibility. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1007814	5	3
14	Biclustering of Smart Building Electric Energy Consumption Data. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 222	2.6	2
13	Computational Analysis of the Global Effects of in the Immune Response to Coronavirus Infection Using Gene Networks. <i>Genes</i> , <b>2020</b> , 11,	4.2	2
12	BIGO: A web application to analyse gene enrichment analysis results. <i>Computational Biology and Chemistry</i> , <b>2018</b> , 76, 169-178	3.6	1
11	A multi-objective genetic algorithm for the Protein Structure Prediction <b>2011</b> ,		1
10	Distribution level electric current consumption and meteorological data set of the east region of Paraguay.. <i>Data in Brief</i> , <b>2022</b> , 40, 107699	1.2	1
9	Ensemble and Greedy Approach for the Reconstruction of Large Gene Co-Expression Networks. <i>Entropy</i> , <b>2019</b> , 21, 1139	2.8	1
8	Analysis of Student Achievement Scores: A Machine Learning Approach. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 275-284	0.4	1
7	Analysis of Electric Energy Consumption Profiles Using a Machine Learning Approach: A Paraguayan Case Study. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 267	2.6	0
6	Gene Regulatory Networks Validation Framework Based in KEGG. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 279-286	0.9	0
5	Automatic Diagnosis of Ocular Toxoplasmosis from Fundus Images with Residual Neural Networks. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 281, 173-177	0.5	0
4	Bioinformatics from a Big Data Perspective: Meeting the Challenge. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 349-359	0.9	
3	gMSR: A Multi-GPU Algorithm to Accelerate a Massive Validation of Biclusters. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1782	2.6	
2	Redundancy Is Not Necessarily Detrimental in Classification Problems. <i>Mathematics</i> , <b>2021</b> , 9, 2899	2.3	
1	Analysis of Relevance and Redundance on Topoisomerase 2b (TOP2B) Binding Sites: A Feature Selection Approach. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 86-101	0.9	