

# Francisco GÃ³mez-Vela

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

722  
citations

840119

11  
h-index

552369

26  
g-index

43  
all docs

43  
docs citations

43  
times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution level electric current consumption and meteorological data set of the east region of Paraguay. Data in Brief, 2022, 40, 107699.	0.5	1
2	Analysis of Electric Energy Consumption Profiles Using a Machine Learning Approach: A Paraguayan Case Study. Electronics (Switzerland), 2022, 11, 267.	1.8	7
3	Advanced Optimization Methods and Big Data Applications in Energy Demand Forecast. Applied Sciences (Switzerland), 2021, 11, 1261.	1.3	0
4	Automatic Diagnosis of Ocular Toxoplasmosis from Fundus Images with Residual Neural Networks. Studies in Health Technology and Informatics, 2021, 281, 173-177.	0.2	5
5	Genome-wide prediction of topoisomerase II $\beta$ binding by architectural factors and chromatin accessibility. PLoS Computational Biology, 2021, 17, e1007814.	1.5	8
6	Redundancy Is Not Necessarily Detrimental in Classification Problems. Mathematics, 2021, 9, 2899.	1.1	0
7	Analysis of Student Achievement Scores: A Machine Learning Approach. Advances in Intelligent Systems and Computing, 2020, , 275-284.	0.5	2
8	Hybridizing Deep Learning and Neuroevolution: Application to the Spanish Short-Term Electric Energy Consumption Forecasting. Applied Sciences (Switzerland), 2020, 10, 5487.	1.3	15
9	Computational Analysis of the Global Effects of Ly6E in the Immune Response to Coronavirus Infection Using Gene Networks. Genes, 2020, 11, 831.	1.0	6
10	A Comparative Study of Supervised Machine Learning Algorithms for the Prediction of Long-Range Chromatin Interactions. Genes, 2020, 11, 985.	1.0	9
11	gMSR: A Multi-GPU Algorithm to Accelerate a Massive Validation of Biclusters. Electronics (Switzerland), 2020, 9, 1782.	1.8	1
12	Computational Methods for the Analysis of Genomic Data and Biological Processes. Genes, 2020, 11, 1230.	1.0	2
13	Identifying livestock behavior patterns based on accelerometer dataset. Journal of Computational Science, 2020, 41, 101076.	1.5	23
14	Biclustering of Smart Building Electric Energy Consumption Data. Applied Sciences (Switzerland), 2019, 9, 222.	1.3	6
15	A Comparative Study of Time Series Forecasting Methods for Short Term Electric Energy Consumption Prediction in Smart Buildings. Energies, 2019, 12, 1934.	1.6	65
16	A multivariate approach to the symmetrical uncertainty measure: Application to feature selection problem. Information Sciences, 2019, 494, 1-20.	4.0	25
17	Special Issue on Machine Learning for Biomedical Data Analysis. Applied Sciences (Switzerland), 2019, 9, 4676.	1.3	0
18	Computational Inference of Gene Co-Expression Networks for the identification of Lung Carcinoma Biomarkers: An Ensemble Approach. Genes, 2019, 10, 962.	1.0	4

#	ARTICLE	IF	CITATIONS
19	Ensemble and Greedy Approach for the Reconstruction of Large Gene Co-Expression Networks. <i>Entropy</i> , 2019, 21, 1139.	1.1	2
20	Computational methods for Gene Regulatory Networks reconstruction and analysis: A review. <i>Artificial Intelligence in Medicine</i> , 2019, 95, 133-145.	3.8	127
21	Pangenome of <i>Acinetobacter baumannii</i> 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> , 2019, 5, .	1.0	42
22	GNCâ€‘app: A new Cytoscape app to rate gene networks biological coherence using geneâ€‘gene indirect relationships. <i>BioSystems</i> , 2018, 166, 61-65.	0.9	14
23	Stacking Ensemble Learning for Short-Term Electricity Consumption Forecasting. <i>Energies</i> , 2018, 11, 949.	1.6	142
24	BIGO: A web application to analyse gene enrichment analysis results. <i>Computational Biology and Chemistry</i> , 2018, 76, 169-178.	1.1	1
25	Structure Optimization for Large Gene Networks Based on Greedy Strategy. <i>Computational and Mathematical Methods in Medicine</i> , 2018, 2018, 1-11.	0.7	6
26	Analysis of Relevance and Redundance on Topoisomerase 2b (TOP2B) Binding Sites: A Feature Selection Approach. <i>Lecture Notes in Computer Science</i> , 2018, , 86-101.	1.0	0
27	Bioinformatics from a Big Data Perspective: Meeting the Challenge. <i>Lecture Notes in Computer Science</i> , 2017, , 349-359.	1.0	0
28	GFD-Net: A novel semantic similarity methodology for the analysis of gene networks. <i>Journal of Biomedical Informatics</i> , 2017, 68, 71-82.	2.5	7
29	Incorporating biological knowledge for construction of fuzzy networks of gene associations. <i>Applied Soft Computing Journal</i> , 2016, 42, 144-155.	4.1	10
30	High-dimensional feature selection via feature grouping: A Variable Neighborhood Search approach. <i>Information Sciences</i> , 2016, 326, 102-118.	4.0	99
31	Feature Grouping and Selection on High-Dimensional Microarray Data. , 2015, , .		1
32	Gene network coherence based on prior knowledge using direct and indirect relationships. <i>Computational Biology and Chemistry</i> , 2015, 56, 142-151.	1.1	11
33	Gene Network Biological Validity Based on Gene-Gene Interaction Relevance. <i>Scientific World Journal</i> , The, 2014, 2014, 1-11.	0.8	6
34	An efficient decision rule-based system for the protein residue-residue contact prediction. , 2013, , .		0
35	An effective measure for assessing the quality of biclusters. <i>Computers in Biology and Medicine</i> , 2012, 42, 245-256.	3.9	38
36	Gene Networks Validation based on Metabolic Pathways. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	Gene-gene interaction based clustering method for microarray data. , 2011, , .		0
38	A multi-objective genetic algorithm for the Protein Structure Prediction. , 2011, , .		1
39	Pattern Recognition in Biological Time Series. Lecture Notes in Computer Science, 2011, , 164-172.	1.0	4
40	Gene Regulatory Networks Validation Framework Based in KEGG. Lecture Notes in Computer Science, 2011, , 279-286.	1.0	1
41	A multi-objective Evolutionary Concept Learner. , 2010, , .		0
42	Social symbol grounding and language evolution. Interaction Studies, 2007, 8, 31-52.	0.4	31