

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	Stacking Ensemble Learning for Short-Term Electricity Consumption Forecasting. <i>Energies</i> , 2018, 11, 949.	1.6	142
2	Computational methods for Gene Regulatory Networks reconstruction and analysis: A review. <i>Artificial Intelligence in Medicine</i> , 2019, 95, 133-145.	3.8	127
3	High-dimensional feature selection via feature grouping: A Variable Neighborhood Search approach. <i>Information Sciences</i> , 2016, 326, 102-118.	4.0	99
4	A Comparative Study of Time Series Forecasting Methods for Short Term Electric Energy Consumption Prediction in Smart Buildings. <i>Energies</i> , 2019, 12, 1934.	1.6	65
5	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
6	An effective measure for assessing the quality of biclusters. <i>Computers in Biology and Medicine</i> , 2012, 42, 245-256.	3.9	38
7	Social symbol grounding and language evolution. <i>Interaction Studies</i> , 2007, 8, 31-52.	0.4	31
8	A multivariate approach to the symmetrical uncertainty measure: Application to feature selection problem. <i>Information Sciences</i> , 2019, 494, 1-20.	4.0	25
9	Identifying livestock behavior patterns based on accelerometer dataset. <i>Journal of Computational Science</i> , 2020, 41, 101076.	1.5	23
10	Hybridizing Deep Learning and Neuroevolution: Application to the Spanish Short-Term Electric Energy Consumption Forecasting. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5487.	1.3	15
11	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
12	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
13	Incorporating biological knowledge for construction of fuzzy networks of gene associations. <i>Applied Soft Computing Journal</i> , 2016, 42, 144-155.	4.1	10
14	A Comparative Study of Supervised Machine Learning Algorithms for the Prediction of Long-Range Chromatin Interactions. <i>Genes</i> , 2020, 11, 985.	1.0	9
15	Genome-wide prediction of topoisomerase II β binding by architectural factors and chromatin accessibility. <i>PLoS Computational Biology</i> , 2021, 17, e1007814.	1.5	8
16	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
17	Analysis of Electric Energy Consumption Profiles Using a Machine Learning Approach: A Paraguayan Case Study. <i>Electronics (Switzerland)</i> , 2022, 11, 267.	1.8	7
18	Gene Network Biological Validity Based on Gene-Gene Interaction Relevance. <i>Scientific World Journal, The</i> , 2014, 2014, 1-11.	0.8	6

#	ARTICLE	IF	CITATIONS
19	Structure Optimization for Large Gene Networks Based on Greedy Strategy. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-11.	0.7	6
20	Biclustering of Smart Building Electric Energy Consumption Data. Applied Sciences (Switzerland), 2019, 9, 222.	1.3	6
21	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
22	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
23	Computational Inference of Gene Co-Expression Networks for the identification of Lung Carcinoma Biomarkers: An Ensemble Approach. Genes, 2019, 10, 962.	1.0	4
24	Pattern Recognition in Biological Time Series. Lecture Notes in Computer Science, 2011, , 164-172.	1.0	4
25	Ensemble and Greedy Approach for the Reconstruction of Large Gene Co-Expression Networks. Entropy, 2019, 21, 1139.	1.1	2
26	Analysis of Student Achievement Scores: A Machine Learning Approach. Advances in Intelligent Systems and Computing, 2020, , 275-284.	0.5	2
27	Computational Methods for the Analysis of Genomic Data and Biological Processes. Genes, 2020, 11, 1230.	1.0	2
28	A multi-objective genetic algorithm for the Protein Structure Prediction. , 2011, , .		1
29	Feature Grouping and Selection on High-Dimensional Microarray Data. , 2015, , .		1
30	BIGO: A web application to analyse gene enrichment analysis results. Computational Biology and Chemistry, 2018, 76, 169-178.	1.1	1
31	gMSR: A Multi-GPU Algorithm to Accelerate a Massive Validation of Biclusters. Electronics (Switzerland), 2020, 9, 1782.	1.8	1
32	Gene Regulatory Networks Validation Framework Based in KEGG. Lecture Notes in Computer Science, 2011, , 279-286.	1.0	1
33	Distribution level electric current consumption and meteorological data set of the east region of Paraguay. Data in Brief, 2022, 40, 107699.	0.5	1
34	A multi-objective Evolutionary Concept Learner. , 2010, , .		0
35	Gene Networks Validation based on Metabolic Pathways. , 2011, , .		0
36	Gene-gene interaction based clustering method for microarray data. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	An efficient decision rule-based system for the protein residue-residue contact prediction. , 2013, , .		0
38	Bioinformatics from a Big Data Perspective: Meeting the Challenge. Lecture Notes in Computer Science, 2017, , 349-359.	1.0	0
39	Special Issue on Machine Learning for Biomedical Data Analysis. Applied Sciences (Switzerland), 2019, 9, 4676.	1.3	0
40	Advanced Optimization Methods and Big Data Applications in Energy Demand Forecast. Applied Sciences (Switzerland), 2021, 11, 1261.	1.3	0
41	Analysis of Relevance and Redundance onÂTopoisomerase 2b (TOP2B) Binding Sites: A Feature Selection Approach. Lecture Notes in Computer Science, 2018, , 86-101.	1.0	0
42	Redundancy Is Not Necessarily Detrimental in Classification Problems. Mathematics, 2021, 9, 2899.	1.1	0