

Miguel GarcÃ-a Torres

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

15,431
citations

279798

23
h-index

149698

56
g-index

72
all docs

72
docs citations

72
times ranked

11704
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution level electric current consumption and meteorological data set of the east region of Paraguay. <i>Data in Brief</i> , 2022, 40, 107699.	1.0	1
2	Analysis of Electric Energy Consumption Profiles Using a Machine Learning Approach: A Paraguayan Case Study. <i>Electronics (Switzerland)</i> , 2022, 11, 267.	3.1	7
3	Measuring Interactions in Categorical Datasets Using Multivariate Symmetrical Uncertainty. <i>Entropy</i> , 2022, 24, 64.	2.2	1
4	Automatic Diagnosis of Diabetic Retinopathy from Fundus Images Using Neuro-Evolutionary Algorithms. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.3	0
5	A multi-GPU biclustering algorithm for binary datasets. <i>Journal of Parallel and Distributed Computing</i> , 2021, 147, 209-219.	4.1	8
6	Analysis of Student Achievement Scores via Cluster Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 399-408.	0.6	1
7	Retinal Image Enhancement via a Multiscale Morphological Approach with OCCO Filter. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 177-186.	0.6	1
8	Advanced Optimization Methods and Big Data Applications in Energy Demand Forecast. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1261.	2.5	0
9	Automatic Diagnosis of Ocular Toxoplasmosis from Fundus Images with Residual Neural Networks. <i>Studies in Health Technology and Informatics</i> , 2021, 281, 173-177.	0.3	5
10	Dataset from fundus images for the study of diabetic retinopathy. <i>Data in Brief</i> , 2021, 36, 107068.	1.0	14
11	Scatter search for high-dimensional feature selection using feature grouping. , 2021, , .		5
12	Technical analysis strategy optimization using a machine learning approach in stock market indices. <i>Knowledge-Based Systems</i> , 2021, 225, 107119.	7.1	55
13	Genome-wide prediction of topoisomerase II β binding by architectural factors and chromatin accessibility. <i>PLoS Computational Biology</i> , 2021, 17, e1007814.	3.2	8
14	A Mathematical Model for COVID-19 with Variable Transmissibility and Hospitalizations: A Case Study in Paraguay. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9726.	2.5	2
15	A Trust-Based Methodology to Evaluate Deep Learning Models for Automatic Diagnosis of Ocular Toxoplasmosis from Fundus Images. <i>Diagnostics</i> , 2021, 11, 1951.	2.6	1
16	Dermoscopy Images Enhancement via Multi-Scale Morphological Operations. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9302.	2.5	2
17	Redundancy Is Not Necessarily Detrimental in Classification Problems. <i>Mathematics</i> , 2021, 9, 2899.	2.2	0
18	Adjacent Inputs With Different Labels and Hardness in Supervised Learning. <i>IEEE Access</i> , 2021, 9, 162487-162498.	4.2	1

#	ARTICLE	IF	CITATIONS
19	Analysis of Student Achievement Scores: A Machine Learning Approach. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 275-284.	0.6	2
20	Analysis of Teacher Training in Mathematics in Paraguay's Elementary Education System Using Machine Learning Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 285-294.	0.6	0
21	Multi-Objective Pareto Histogram Equalization. <i>Electronic Notes in Theoretical Computer Science</i> , 2020, 349, 3-23.	0.9	2
22	Hybridizing Deep Learning and Neuroevolution: Application to the Spanish Short-Term Electric Energy Consumption Forecasting. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5487.	2.5	15
23	Computational Analysis of the Global Effects of Ly6E in the Immune Response to Coronavirus Infection Using Gene Networks. <i>Genes</i> , 2020, 11, 831.	2.4	6
24	A Comparative Study of Supervised Machine Learning Algorithms for the Prediction of Long-Range Chromatin Interactions. <i>Genes</i> , 2020, 11, 985.	2.4	9
25	Computational Methods for the Analysis of Genomic Data and Biological Processes. <i>Genes</i> , 2020, 11, 1230.	2.4	2
26	Identifying livestock behavior patterns based on accelerometer dataset. <i>Journal of Computational Science</i> , 2020, 41, 101076.	2.9	23
27	A multi-objective approach for designing optimized operation sequence on binary image processing. <i>Heliyon</i> , 2020, 6, e03670.	3.2	5
28	Predictive Models for the Medical Diagnosis of Dengue: A Case Study in Paraguay. <i>Computational and Mathematical Methods in Medicine</i> , 2019, 2019, 1-7.	1.3	32
29	Biclustering of Smart Building Electric Energy Consumption Data. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 222.	2.5	6
30	A Comparative Study of Time Series Forecasting Methods for Short Term Electric Energy Consumption Prediction in Smart Buildings. <i>Energies</i> , 2019, 12, 1934.	3.1	65
31	Color Image Enhancement Using a Multiscale Morphological Approach. <i>Communications in Computer and Information Science</i> , 2019, , 109-123.	0.5	4
32	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2019, 623, A110.	5.1	101
33	A multivariate approach to the symmetrical uncertainty measure: Application to feature selection problem. <i>Information Sciences</i> , 2019, 494, 1-20.	6.9	25
34	Entropy and Contrast Enhancement of Infrared Thermal Images Using the Multiscale Top-Hat Transform. <i>Entropy</i> , 2019, 21, 244.	2.2	51
35	Self-Assessment of the Computer Engineering Career at the Universidad Americana. , 2019, , .		1
36	Computational Inference of Gene Co-Expression Networks for the identification of Lung Carcinoma Biomarkers: An Ensemble Approach. <i>Genes</i> , 2019, 10, 962.	2.4	4

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37	RGB Inter-Channel Measures for Morphological Color Texture Characterization. Symmetry, 2019, 11, 1190.	2.2	4
38	Ensemble and Greedy Approach for the Reconstruction of Large Gene Co-Expression Networks. Entropy, 2019, 21, 1139.	2.2	2
39	Soft Computing for Analysis of Biomedical Data. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-2.	1.3	1
40	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A11.	5.1	323
41	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A13.	5.1	78
42	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A14.	5.1	140
43	Stacking Ensemble Learning for Short-Term Electricity Consumption Forecasting. Energies, 2018, 11, 949.	3.1	142
44	The blessing of Dimensionality: Feature Selection outperforms functional connectivity-based feature transformation to classify ADHD subjects from EEG patterns of phase synchronisation. PLoS ONE, 2018, 13, e0201660.	2.5	27
45	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	5.1	638
46	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	5.1	6,364
47	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A12.	5.1	491
48	Analysis of Relevance and Redundance on Topoisomerase 2b (TOP2B) Binding Sites: A Feature Selection Approach. Lecture Notes in Computer Science, 2018, , 86-101.	1.3	0
49	Bioinformatics from a Big Data Perspective: Meeting the Challenge. Lecture Notes in Computer Science, 2017, , 349-359.	1.3	0
50	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	5.1	78
51	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	5.1	77
52	The <i>Gaia</i> mission. Astronomy and Astrophysics, 2016, 595, A1.	5.1	4,509
53	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.	5.1	1,590
54	High-dimensional feature selection via feature grouping: A Variable Neighborhood Search approach. Information Sciences, 2016, 326, 102-118.	6.9	99

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55	Feature Selection Using Approximate Multivariate Markov Blankets. Lecture Notes in Computer Science, 2016, , 114-125.	1.3	4
56	Feature Selection via Approximated Markov Blankets Using the CFS Method. , 2015, , .		6
57	Feature Grouping and Selection on High-Dimensional Microarray Data. , 2015, , .		1
58	Comparison of metaheuristic strategies for peakbin selection in proteomic mass spectrometry data. Information Sciences, 2013, 222, 229-246.	6.9	14
59	The <i>Gaia</i> astrophysical parameters inference system (Apsis). Astronomy and Astrophysics, 2013, 559, A74.	5.1	115
60	Fast feature selection aimed at high-dimensional data via hybrid-sequential-ranked searches. Expert Systems With Applications, 2012, 39, 11094-11102.	7.6	37
61	Peakbin Selection in Mass Spectrometry Data Using a Consensus Approach with Estimation of Distribution Algorithms. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 760-774.	3.0	26
62	A search for new hot subdwarf stars by means of Virtual Observatory tools. Astronomy and Astrophysics, 2011, 530, A2.	5.1	7
63	A Two-Phase Heuristic Construction of Feature Sets for Classification. , 2011, , .		0
64	Feature Selection Applied to Data from the Sloan Digital Sky Survey. Lecture Notes in Computer Science, 2010, , 611-620.	1.3	1
65	Ranking Attributes Using Learning of Preferences by Means of SVM. Lecture Notes in Computer Science, 2007, , 100-109.	1.3	0
66	Solving feature subset selection problem by a Parallel Scatter Search. European Journal of Operational Research, 2006, 169, 477-489.	5.7	179
67	Parallel Scatter Search. , 2005, , 223-246.		5
68	Scatter Search for the Feature Selection Problem. Lecture Notes in Computer Science, 2004, , 517-525.	1.3	7