Miguel GarcÃ-a Torres

List of Publications by Year
in descending order

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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	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	5.1	6,364
2	TheGaiamission. Astronomy and Astrophysics, 2016, 595, A1.	5.1	4,509
3	GaiaData Release 1. Astronomy and Astrophysics, 2016, 595, A2.	5.1	1,590
4	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	5.1	638
5	GaiaData Release 2. Astronomy and Astrophysics, 2018, 616, A12.	5.1	491
6	GaiaData Release 2. Astronomy and Astrophysics, 2018, 616, A11.	5.1	323
7	Solving feature subset selection problem by a Parallel Scatter Search. European Journal of Operational Research, 2006, 169, 477-489.	5.7	179
8	Stacking Ensemble Learning for Short-Term Electricity Consumption Forecasting. Energies, 2018, 11, 949.	3.1	142
9	Gaia Data Release 2. Astronomy and Astrophysics, 2018, 616, A14.	5.1	140
10	TheGaiaastrophysical parameters inference system (Apsis). Astronomy and Astrophysics, 2013, 559, A74.	5.1	115
11	GaiaData Release 2. Astronomy and Astrophysics, 2019, 623, A110.	5.1	101
12	High-dimensional feature selection via feature grouping: A Variable Neighborhood Search approach. Information Sciences, 2016, 326, 102-118.	6.9	99
13	GaiaData Release 2. Astronomy and Astrophysics, 2018, 616, A13.	5.1	78
14	Gaia Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	5.1	78
15	Gaia Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	5.1	77
16	A Comparative Study of Time Series Forecasting Methods for Short Term Electric Energy Consumption Prediction in Smart Buildings. Energies, 2019, 12, 1934.	3.1	65
17	Technical analysis strategy optimization using a machine learning approach in stock market indices. Knowledge-Based Systems, 2021, 225, 107119.	7.1	55
18	Entropy and Contrast Enhancement of Infrared Thermal Images Using the Multiscale Top-Hat Transform. Entropy, 2019, 21, 244.	2.2	51

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19	Fast feature selection aimed at high-dimensional data via hybrid-sequential-ranked searches. Expert Systems With Applications, 2012, 39, 11094-11102.	7.6	37
20	Predictive Models for the Medical Diagnosis of Dengue: A Case Study in Paraguay. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-7.	1.3	32
21	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
22	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
23	A multivariate approach to the symmetrical uncertainty measure: Application to feature selection problem. Information Sciences, 2019, 494, 1-20.	6.9	25
24	Identifying livestock behavior patterns based on accelerometer dataset. Journal of Computational Science, 2020, 41, 101076.	2.9	23
25	Hybridizing Deep Learning and Neuroevolution: Application to the Spanish Short-Term Electric Energy Consumption Forecasting. Applied Sciences (Switzerland), 2020, 10, 5487.	2.5	15
26	Comparison of metaheuristic strategies for peakbin selection in proteomic mass spectrometry data. Information Sciences, 2013, 222, 229-246.	6.9	14
27	Dataset from fundus images for the study of diabetic retinopathy. Data in Brief, 2021, 36, 107068.	1.0	14
28	A Comparative Study of Supervised Machine Learning Algorithms for the Prediction of Long-Range Chromatin Interactions. Genes, 2020, 11, 985.	2.4	9
29	A multi-GPU biclustering algorithm for binary datasets. Journal of Parallel and Distributed Computing, 2021, 147, 209-219.	4.1	8
30	Genome-wide prediction of topoisomerase IIÎ² binding by architectural factors and chromatin accessibility. PLoS Computational Biology, 2021, 17, e1007814.	3.2	8
31	Scatter Search for the Feature Selection Problem. Lecture Notes in Computer Science, 2004, , 517-525.	1.3	7
32	A search for new hot subdwarf stars by means of Virtual Observatory tools. Astronomy and Astrophysics, 2011, 530, A2.	5.1	7
33	Analysis of Electric Energy Consumption Profiles Using a Machine Learning Approach: A Paraguayan Case Study. Electronics (Switzerland), 2022, 11, 267.	3.1	7
34	Feature Selection via Approximated Markov Blankets Using the CFS Method. , 2015, , .		6
35	Biclustering of Smart Building Electric Energy Consumption Data. Applied Sciences (Switzerland), 2019, 9, 222.	2.5	6
36	Computational Analysis of the Global Effects of Ly6E in the Immune Response to Coronavirus Infection Using Gene Networks. Genes, 2020, 11, 831.	2.4	6

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37	Parallel Scatter Search. , 2005, , 223-246.		5
38	A multi-objective approach for designing optimized operation sequence on binary image processing. Heliyon, 2020, 6, e03670.	3.2	5
39	Automatic Diagnosis of Ocular Toxoplasmosis from Fundus Images with Residual Neural Networks. Studies in Health Technology and Informatics, 2021, 281, 173-177.	0.3	5
40	Scatter search for high-dimensional feature selection using feature grouping. , 2021, , .		5
41	Color Image Enhancement Using a Multiscale Morphological Approach. Communications in Computer and Information Science, 2019, , 109-123.	0.5	4
42	Computational Inference of Gene Co-Expression Networks for the identification of Lung Carcinoma Biomarkers: An Ensemble Approach. Genes, 2019, 10, 962.	2.4	4
43	RGB Inter-Channel Measures for Morphological Color Texture Characterization. Symmetry, 2019, 11, 1190.	2.2	4
44	Feature Selection Using Approximate Multivariate Markov Blankets. Lecture Notes in Computer Science, 2016, , 114-125.	1.3	4
45	Ensemble and Greedy Approach for the Reconstruction of Large Gene Co-Expression Networks. Entropy, 2019, 21, 1139.	2.2	2
46	Analysis of Student Achievement Scores: A Machine Learning Approach. Advances in Intelligent Systems and Computing, 2020, , 275-284.	0.6	2
47	Multi-Objective Pareto Histogram Equalization. Electronic Notes in Theoretical Computer Science, 2020, 349, 3-23.	0.9	2
48	Computational Methods for the Analysis of Genomic Data and Biological Processes. Genes, 2020, 11, 1230.	2.4	2
49	A Mathematical Model for COVID-19 with Variable Transmissibility and Hospitalizations: A Case Study in Paraguay. Applied Sciences (Switzerland), 2021, 11, 9726.	2.5	2
50	Dermoscopy Images Enhancement via Multi-Scale Morphological Operations. Applied Sciences (Switzerland), 2021, 11, 9302.	2.5	2
51	Feature Grouping and Selection on High-Dimensional Microarray Data. , 2015, , .		1
52	Soft Computing for Analysis of Biomedical Data. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-2.	1.3	1
53	Self-Assessment of the Computer Engineering Career at the Universidad Americana. , 2019, , .		1
54	Analysis of Student Achievement Scores via Cluster Analysis. Advances in Intelligent Systems and Computing, 2021, , 399-408.	0.6	1

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55	Retinal Image Enhancement via a Multiscale Morphological Approach with OCCO Filter. Advances in Intelligent Systems and Computing, 2021, , 177-186.	0.6	1
56	Feature Selection Applied to Data from the Sloan Digital Sky Survey. Lecture Notes in Computer Science, 2010, , 611-620.	1.3	1
57	A Trust-Based Methodology to Evaluate Deep Learning Models for Automatic Diagnosis of Ocular Toxoplasmosis from Fundus Images. Diagnostics, 2021, 11, 1951.	2.6	1
58	Adjacent Inputs With Different Labels and Hardness in Supervised Learning. IEEE Access, 2021, 9, 162487-162498.	4.2	1
59	Distribution level electric current consumption and meteorological data set of the east region of Paraguay. Data in Brief, 2022, 40, 107699.	1.0	1
60	Measuring Interactions in Categorical Datasets Using Multivariate Symmetrical Uncertainty. Entropy, 2022, 24, 64.	2.2	1
61	A Two-Phase Heuristic Construction of Feature Sets for Classification. , 2011, , .		0
62	Bioinformatics from a Big Data Perspective: Meeting the Challenge. Lecture Notes in Computer Science, 2017, , 349-359.	1.3	0
63	Analysis of Teacher Training in Mathematics in Paraguayâ€™s Elementary Education System Using Machine Learning Techniques. Advances in Intelligent Systems and Computing, 2020, , 285-294.	0.6	0
64	Advanced Optimization Methods and Big Data Applications in Energy Demand Forecast. Applied Sciences (Switzerland), 2021, 11, 1261.	2.5	0
65	Analysis of Relevance and Redundance onÂTopoisomerase 2b (TOP2B) Binding Sites: A Feature Selection Approach. Lecture Notes in Computer Science, 2018, , 86-101.	1.3	0
66	Ranking Attributes Using Learning of Preferences by Means of SVM. Lecture Notes in Computer Science, 2007, , 100-109.	1.3	0
67	Redundancy Is Not Necessarily Detrimental in Classification Problems. Mathematics, 2021, 9, 2899.	2.2	0
68	Automatic Diagnosis of Diabetic Retinopathy from Fundus Images Using Neuro-Evolutionary Algorithms. Studies in Health Technology and Informatics, 2022, , .	0.3	0