

Miguel GarcÃ-a Torres

List of Publications by Year in descending order

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68
papers

15,431
citations

279487

23
h-index

149479

56
g-index

72
all docs

72
docs citations

72
times ranked

11704
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	2.1	6,364
2	The<i>Gaia</i>mission. Astronomy and Astrophysics, 2016, 595, A1.	2.1	4,509
3	<i>Gaia</i>Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.	2.1	1,590
4	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	2.1	638
5	<i>Gaia</i>Data Release 2. Astronomy and Astrophysics, 2018, 616, A12.	2.1	491
6	<i>Gaia</i>Data Release 2. Astronomy and Astrophysics, 2018, 616, A11.	2.1	323
7	Solving feature subset selection problem by a Parallel Scatter Search. European Journal of Operational Research, 2006, 169, 477-489.	3.5	179
8	Stacking Ensemble Learning for Short-Term Electricity Consumption Forecasting. Energies, 2018, 11, 949.	1.6	142
9	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A14.	2.1	140
10	The<i>Gaia</i>astrophysical parameters inference system (Apsis). Astronomy and Astrophysics, 2013, 559, A74.	2.1	115
11	<i>Gaia</i>Data Release 2. Astronomy and Astrophysics, 2019, 623, A110.	2.1	101
12	High-dimensional feature selection via feature grouping: A Variable Neighborhood Search approach. Information Sciences, 2016, 326, 102-118.	4.0	99
13	<i>Gaia</i>Data Release 2. Astronomy and Astrophysics, 2018, 616, A13.	2.1	78
14	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	2.1	78
15	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	2.1	77
16	A Comparative Study of Time Series Forecasting Methods for Short Term Electric Energy Consumption Prediction in Smart Buildings. Energies, 2019, 12, 1934.	1.6	65
17	Technical analysis strategy optimization using a machine learning approach in stock market indices. Knowledge-Based Systems, 2021, 225, 107119.	4.0	55
18	Entropy and Contrast Enhancement of Infrared Thermal Images Using the Multiscale Top-Hat Transform. Entropy, 2019, 21, 244.	1.1	51

#	ARTICLE	IF	CITATIONS
19	Fast feature selection aimed at high-dimensional data via hybrid-sequential-ranked searches. <i>Expert Systems With Applications</i> , 2012, 39, 11094-11102.	4.4	37
20	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.	0.7	32
21	The blessing of Dimensionality: Feature Selection outperforms functional connectivity-based feature transformation to classify ADHD subjects from EEG patterns of phase synchronisation. <i>PLoS ONE</i> , 2018, 13, e0201660.	1.1	27
22	Peakbin Selection in Mass Spectrometry Data Using a Consensus Approach with Estimation of Distribution Algorithms. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2011, 8, 760-774.	1.9	26
23	A multivariate approach to the symmetrical uncertainty measure: Application to feature selection problem. <i>Information Sciences</i> , 2019, 494, 1-20.	4.0	25
24	Identifying livestock behavior patterns based on accelerometer dataset. <i>Journal of Computational Science</i> , 2020, 41, 101076.	1.5	23
25	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
26	Comparison of metaheuristic strategies for peakbin selection in proteomic mass spectrometry data. <i>Information Sciences</i> , 2013, 222, 229-246.	4.0	14
27	Dataset from fundus images for the study of diabetic retinopathy. <i>Data in Brief</i> , 2021, 36, 107068.	0.5	14
28	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
29	A multi-GPU biclustering algorithm for binary datasets. <i>Journal of Parallel and Distributed Computing</i> , 2021, 147, 209-219.	2.7	8
30	Genome-wide prediction of topoisomerase II α binding by architectural factors and chromatin accessibility. <i>PLoS Computational Biology</i> , 2021, 17, e1007814.	1.5	8
31	Scatter Search for the Feature Selection Problem. <i>Lecture Notes in Computer Science</i> , 2004, , 517-525.	1.0	7
32	A search for new hot subdwarf stars by means of Virtual Observatory tools. <i>Astronomy and Astrophysics</i> , 2011, 530, A2.	2.1	7
33	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
34	Feature Selection via Approximated Markov Blankets Using the CFS Method. , 2015, , .		6
35	Biclustering of Smart Building Electric Energy Consumption Data. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 222.	1.3	6
36	Computational Analysis of the Global Effects of Ly6E in the Immune Response to Coronavirus Infection Using Gene Networks. <i>Genes</i> , 2020, 11, 831.	1.0	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.	1.4	5
39	Automatic Diagnosis of Ocular Toxoplasmosis from Fundus Images with Residual Neural Networks. Studies in Health Technology and Informatics, 2021, 281, 173-177.	0.2	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.	0.4	4
42	Computational Inference of Gene Co-Expression Networks for the identification of Lung Carcinoma Biomarkers: An Ensemble Approach. Genes, 2019, 10, 962.	1.0	4
43	RGB Inter-Channel Measures for Morphological Color Texture Characterization. Symmetry, 2019, 11, 1190.	1.1	4
44	Feature Selection Using Approximate Multivariate Markov Blankets. Lecture Notes in Computer Science, 2016, , 114-125.	1.0	4
45	Ensemble and Greedy Approach for the Reconstruction of Large Gene Co-Expression Networks. Entropy, 2019, 21, 1139.	1.1	2
46	Analysis of Student Achievement Scores: A Machine Learning Approach. Advances in Intelligent Systems and Computing, 2020, , 275-284.	0.5	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.	1.0	2
49	A Mathematical Model for COVID-19 with Variable Transmissibility and Hospitalizations: A Case Study in Paraguay. Applied Sciences (Switzerland), 2021, 11, 9726.	1.3	2
50	Dermoscopy Images Enhancement via Multi-Scale Morphological Operations. Applied Sciences (Switzerland), 2021, 11, 9302.	1.3	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.	0.7	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.	0.5	1

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55	Retinal Image Enhancement via a Multiscale Morphological Approach with OCCO Filter. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 177-186.	0.5	1
56	Feature Selection Applied to Data from the Sloan Digital Sky Survey. <i>Lecture Notes in Computer Science</i> , 2010, , 611-620.	1.0	1
57	A Trust-Based Methodology to Evaluate Deep Learning Models for Automatic Diagnosis of Ocular Toxoplasmosis from Fundus Images. <i>Diagnostics</i> , 2021, 11, 1951.	1.3	1
58	Adjacent Inputs With Different Labels and Hardness in Supervised Learning. <i>IEEE Access</i> , 2021, 9, 162487-162498.	2.6	1
59	Distribution level electric current consumption and meteorological data set of the east region of Paraguay. <i>Data in Brief</i> , 2022, 40, 107699.	0.5	1
60	Measuring Interactions in Categorical Datasets Using Multivariate Symmetrical Uncertainty. <i>Entropy</i> , 2022, 24, 64.	1.1	1
61	A Two-Phase Heuristic Construction of Feature Sets for Classification. , 2011, , .		0
62	Bioinformatics from a Big Data Perspective: Meeting the Challenge. <i>Lecture Notes in Computer Science</i> , 2017, , 349-359.	1.0	0
63	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.	0.5	0
64	Advanced Optimization Methods and Big Data Applications in Energy Demand Forecast. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1261.	1.3	0
65	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
66	Ranking Attributes Using Learning of Preferences by Means of SVM. <i>Lecture Notes in Computer Science</i> , 2007, , 100-109.	1.0	0
67	Redundancy Is Not Necessarily Detrimental in Classification Problems. <i>Mathematics</i> , 2021, 9, 2899.	1.1	0
68	Automatic Diagnosis of Diabetic Retinopathy from Fundus Images Using Neuro-Evolutionary Algorithms. <i>Studies in Health Technology and Informatics</i> , 2022, , .	0.2	0