Miguel Garca Torres

List of Publications by Year in Descending Order

60 papers	11,102 citations	19 h-index	72 g-index
72 ext. papers	13,447 ext. citations	3.2 avg, IF	4.39 L-index

#	Paper	IF	Citations
60	Analysis of Electric Energy Consumption Profiles Using a Machine Learning Approach: A Paraguayan Case Study. *Electronics (Switzerland)*, **2022**, 11, 267	2.6	0
59	Distribution level electric current consumption and meteorological data set of the east region of Paraguay.. *Data in Brief*, **2022**, 40, 107699	1.2	1
58	Forecasting Electricity Consumption Data from Paraguay Using a Machine Learning Approach. *Advances in Intelligent Systems and Computing*, **2022**, 685-694	0.4	
57	Automatic Diagnosis of Diabetic Retinopathy from Fundus Images Using Neuro-Evolutionary Algorithms. *Studies in Health Technology and Informatics*, **2022**,	0.5	
56	Redundancy Is Not Necessarily Detrimental in Classification Problems. *Mathematics*, **2021**, 9, 2899	2.3	
55	Adjacent Inputs With Different Labels and Hardness in Supervised Learning. *IEEE Access*, **2021**, 9, 162487-162498	3.5	8
54	A Mathematical Model for COVID-19 with Variable Transmissibility and Hospitalizations: A Case Study in Paraguay. *Applied Sciences (Switzerland)*, **2021**, 11, 9726	2.6	
53	Dermoscopy Images Enhancement via Multi-Scale Morphological Operations. *Applied Sciences (Switzerland)*, **2021**, 11, 9302	2.6	0
52	Automatic Diagnosis of Ocular Toxoplasmosis from Fundus Images with Residual Neural Networks. *Studies in Health Technology and Informatics*, **2021**, 281, 173-177	0.5	0
51	Dataset from fundus images for the study of diabetic retinopathy. *Data in Brief*, **2021**, 36, 107068	1.2	3
50	A multi-GPU biclustering algorithm for binary datasets. *Journal of Parallel and Distributed Computing*, **2021**, 147, 209-219	4.4	8
49	Analysis of Student Achievement Scores via Cluster Analysis. *Advances in Intelligent Systems and Computing*, **2021**, 399-408	0.4	
48	Retinal Image Enhancement via a Multiscale Morphological Approach with OCCO Filter. *Advances in Intelligent Systems and Computing*, **2021**, 177-186	0.4	1
47	Technical analysis strategy optimization using a machine learning approach in stock market indices. *Knowledge-Based Systems*, **2021**, 225, 107119	7.3	10
46	Genome-wide prediction of topoisomerase II binding by architectural factors and chromatin accessibility. *PLoS Computational Biology*, **2021**, 17, e1007814	5	3
45	Identifying livestock behavior patterns based on accelerometer dataset. *Journal of Computational Science*, **2020**, 41, 101076	3.4	10
44	A multi-objective approach for designing optimized operation sequence on binary image processing. *Heliyon*, **2020**, 6, e03670	3.6	1

43	Multi-Objective Pareto Histogram Equalization. *Electronic Notes in Theoretical Computer Science*, **2020**, 349, 3-23	0.7	0
42	Hybridizing Deep Learning and Neuroevolution: Application to the Spanish Short-Term Electric Energy Consumption Forecasting. *Applied Sciences (Switzerland)*, **2020**, 10, 5487	2.6	7
41	Computational Analysis of the Global Effects of in the Immune Response to Coronavirus Infection Using Gene Networks. *Genes*, **2020**, 11,	4.2	2
40	A Comparative Study of Supervised Machine Learning Algorithms for the Prediction of Long-Range Chromatin Interactions. *Genes*, **2020**, 11,	4.2	4
39	Analysis of Student Achievement Scores: A Machine Learning Approach. *Advances in Intelligent Systems and Computing*, **2020**, 275-284	0.4	1
38	Analysis of Teacher Training in Mathematics in Paraguay Elementary Education System Using Machine Learning Techniques. *Advances in Intelligent Systems and Computing*, **2020**, 285-294	0.4	
37	Predictive Models for the Medical Diagnosis of Dengue: A Case Study in Paraguay. *Computational and Mathematical Methods in Medicine*, **2019**, 2019, 7307803	2.8	13
36	Biclustering of Smart Building Electric Energy Consumption Data. *Applied Sciences (Switzerland)*, **2019**, 9, 222	2.6	2
35	A Comparative Study of Time Series Forecasting Methods for Short Term Electric Energy Consumption Prediction in Smart Buildings. *Energies*, **2019**, 12, 1934	3.1	30
34	Color Image Enhancement Using a Multiscale Morphological Approach. *Communications in Computer and Information Science*, **2019**, 109-123	0.3	1
33	Gaia Data Release 2. *Astronomy and Astrophysics*, **2019**, 623, A110	5.1	62
32	A multivariate approach to the symmetrical uncertainty measure: Application to feature selection problem. *Information Sciences*, **2019**, 494, 1-20	7.7	10
31	Entropy and Contrast Enhancement of Infrared Thermal Images Using the Multiscale Top-Hat Transform. *Entropy*, **2019**, 21,	2.8	20
30	Computational Inference of Gene Co-Expression Networks for the identification of Lung Carcinoma Biomarkers: An Ensemble Approach. *Genes*, **2019**, 10,	4.2	3
29	RGB Inter-Channel Measures for Morphological Color Texture Characterization. *Symmetry*, **2019**, 11, 1190	2.7	1
28	Ensemble and Greedy Approach for the Reconstruction of Large Gene Co-Expression Networks. *Entropy*, **2019**, 21, 1139	2.8	1
27	Stacking Ensemble Learning for Short-Term Electricity Consumption Forecasting. *Energies*, **2018**, 11, 949	3.1	63
26	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	3.7	17

25	Gaia Data Release 2. *Astronomy and Astrophysics*, **2018**, 616, A10	5.1	438
24	Gaia Data Release 2. *Astronomy and Astrophysics*, **2018**, 616, A1	5.1	4787
23	Analysis of Relevance and Redundance on Topoisomerase 2b (TOP2B) Binding Sites: A Feature Selection Approach. *Lecture Notes in Computer Science*, **2018**, 86-101	0.9	
22	Gaia Data Release 2. *Astronomy and Astrophysics*, **2018**, 616, A12	5.1	384
21	Gaia Data Release 2. *Astronomy and Astrophysics*, **2018**, 616, A11	5.1	237
20	Gaia Data Release 2. *Astronomy and Astrophysics*, **2018**, 616, A13	5.1	56
19	Gaia Data Release 2. *Astronomy and Astrophysics*, **2018**, 616, A14	5.1	100
18	Bioinformatics from a Big Data Perspective: Meeting the Challenge. *Lecture Notes in Computer Science*, **2017**, 349-359	0.9	
17	Gaia Data Release 1. *Astronomy and Astrophysics*, **2017**, 605, A79	5.1	64
16	Gaia Data Release 1. *Astronomy and Astrophysics*, **2017**, 601, A19	5.1	71
15	High-dimensional feature selection via feature grouping: A Variable Neighborhood Search approach. *Information Sciences*, **2016**, 326, 102-118	7.7	66
14	Feature Selection Using Approximate Multivariate Markov Blankets. *Lecture Notes in Computer Science*, **2016**, 114-125	0.9	2
13	TheGaiamission. *Astronomy and Astrophysics*, **2016**, 595, A1	5.1	2933
12	GaiaData Release 1. *Astronomy and Astrophysics*, **2016**, 595, A2	5.1	1364
11	Feature Selection via Approximated Markov Blankets Using the CFS Method **2015**,		4
10	Comparison of metaheuristic strategies for peakbin selection in proteomic mass spectrometry data. *Information Sciences*, **2013**, 222, 229-246	7.7	11
9	TheGaiaastrophysical parameters inference system (Apsis). *Astronomy and Astrophysics*, **2013**, 559, A74	5.1	96
8	Fast feature selection aimed at high-dimensional data via hybrid-sequential-ranked searches. *Expert Systems With Applications*, **2012**, 39, 11094-11102	7.8	29

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7	A search for new hot subdwarf stars by means of Virtual Observatory tools. *Astronomy and Astrophysics*, **2011**, 530, A2	5.1	6
6	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, 760-74	3	22
5	Feature Selection Applied to Data from the Sloan Digital Sky Survey. *Lecture Notes in Computer Science*, **2010**, 611-620	0.9	1
4	Ranking Attributes Using Learning of Preferences by Means of SVM. *Lecture Notes in Computer Science*, **2007**, 100-109	0.9	
3	Solving feature subset selection problem by a Parallel Scatter Search. *European Journal of Operational Research*, **2006**, 169, 477-489	5.6	147
2	Parallel Scatter Search **2005**, 223-246		4
1	Scatter Search for the Feature Selection Problem. *Lecture Notes in Computer Science*, **2004**, 517-525	0.9	4