Mario Gongora

List of Publications by Year in Descending Order

43 papers	258 citations	9 h-index	14 g-index
50 ext. papers	338 ext. citations	5.2 avg, IF	3.63 L-index

#	Paper	IF	Citations
43	Deep Learning to Improve the Sustainability of Agricultural Crops Affected by Phytosanitary Events: A Financial-Risk Approach. *Sustainability*, **2022**, 14, 6668	3.6	
42	Classification in Dynamic Data Streams with a Scarcity of Labels. *IEEE Transactions on Knowledge and Data Engineering*, **2021**, 1-1	4.2	0
41	Fuzzy convolutional deep-learning model to estimate the operational risk capital using multi-source risk events. *Applied Soft Computing Journal*, **2021**, 107, 107381	7.5	2
40	Cooperative and distributed decision-making in a multi-agent perception system for improvised land mines detection. *Information Fusion*, **2020**, 64, 32-49	16.7	11
39	Training Data Set Assessment for Decision-Making in a Multiagent Landmine Detection Platform **2020**,		2
38	Shallow buried improvised explosive device detection via convolutional neural networks. *Integrated Computer-Aided Engineering*, **2020**, 27, 403-416	5.2	6
37	A Robust Decision-Making Framework Based on Collaborative Agents. *IEEE Access*, **2020**, 8, 150974-150988	3.9	2
36	Oil Palm Detection via Deep Transfer Learning **2020**,		9
35	Validation of convolutional layers in deep learning models to identify patterns in multispectral images **2019**,		7
34	Ant Colony Stream Clustering: A Fast Density Clustering Algorithm for Dynamic Data Streams. *IEEE Transactions on Cybernetics*, **2019**, 49, 2215-2228	10.2	34
33	Stochastic logistic fuzzy maps for the construction of integrated multirates scenarios in the financing of infrastructure projects. *Applied Soft Computing Journal*, **2019**, 85, 105818	7.5	8
32	Robustness and Evolutionary Dynamic Optimisation of Airport Security Schedules. *Advances in Intelligent Systems and Computing*, **2019**, 27-39	0.4	
31	A fuzzy ELECTRE structure methodology to assess big data maturity in healthcare SMEs. *Soft Computing*, **2019**, 23, 10537-10550	3.5	2
30	Flexible inverse adaptive fuzzy inference model to identify the evolution of operational value at risk for improving operational risk management. *Applied Soft Computing Journal*, **2018**, 65, 614-631	7.5	11
29	An integrated inverse adaptive neural fuzzy system with Monte-Carlo sampling method for operational risk management. *Expert Systems With Applications*, **2018**, 98, 11-26	7.8	15
28	Fuzzy spatial maps to identify oil palm units: Spatial fuzzy maps **2018**,		2
27	A fuzzy credibility model to estimate the Operational Value at Risk using internal and external data of risk events. *Knowledge-Based Systems*, **2018**, 159, 98-109	7.3	7

26	Ant Colony Optimization for Simulated Dynamic Multi-Objective Railway Junction Rescheduling. *IEEE Transactions on Intelligent Transportation Systems*, **2017**, 18, 2980-2992	6.1	38
25	Inteligent system to identify oil palm crop units from multispectral aerial images: Identification of multispectral patterns **2017**,		2
24	Finding Multi-Density Clusters in non-stationary data streams using an Ant Colony with adaptive parameters **2017**,		2
23	Adaptive-mutation compact genetic algorithm for dynamic environments. *Soft Computing*, **2016**, 20, 3097-3115	3.5	2
22	Evolutionary dynamic optimisation of airport security lane schedules **2016**,		1
21	Application of Artificial Neural Network and Support Vector Regression in Cognitive Radio Networks for RF Power Prediction Using Compact Differential Evolution Algorithm **2015**,		6
20	Adaptive mutation in dynamic environments **2014**,		1
19	Optimized artificial neural network using differential evolution for prediction of RF power in VHF/UHF TV and GSM 900 bands for cognitive radio networks **2014**,		1
18	Real-world dynamic optimization using an adaptive-mutation compact genetic algorithm **2014**,		4
17	Optimized Neural Network using differential evolutionary and swarm intelligence optimization algorithms for RF power prediction in cognitive radio network: A comparative study **2014**,		1
16	Web usage mining with evolutionary extraction of temporal fuzzy association rules. *Knowledge-Based Systems*, **2013**, 54, 66-72	7.3	28
15	Re-sampling search: A seriously simple memetic approach with a high performance **2013**,		2
14	Intelligent acoustic rotor speed estimation for an autonomous helicopter. *Applied Soft Computing Journal*, **2012**, 12, 3313-3324	7.5	2
13	Interval type-2 fuzzy modelling and stochastic search for real-world inventory management. *Soft Computing*, **2012**, 16, 1447-1459	3.5	9
12	Interval Type-2 Fuzzy Modelling and Simulated Annealing for Real-World Inventory Management. *Lecture Notes in Computer Science*, **2011**, 231-238	0.9	1
11	Storage, degradation and recall of agent memory in Serious Games and Simulations **2010**,		1
10	Inventory optimisation with an Interval Type-2 Fuzzy model **2010**,		2
9	Optimising resource plans using an Interval Type-2 Fuzzy model **2010**,		2

8	ReAd: reactive-adaptive methodology to enable evolving intelligent agents for virtual environments. *Evolving Systems*, **2010**, 1, 111-127	2.1	0
7	Multi-agent system for people detection and tracking using stereo vision in mobile robots. *Robotica* , **2009**, 27, 715	2.1	5
6	Analysis of organized asymmetry development using artificial cellular differentiation models **2009**,		1
5	A Constructive Neural Network for Evolving a Machine Controller in Real-Time. *Studies in Computational Intelligence*, **2009**, 225-242	0.8	2
4	A generalised type-2 fuzzy logic system embedded board and integrated development environment **2008**,		6
3	Real-time evolution of an embedded controller for an autonomous helicopter **2008**,		7
2	A Reward-Value Based Constructive Method for the Autonomous Creation of Machine Controllers. *Lecture Notes in Computer Science*, **2008**, 773-782	0.9	2
1	Analysis and test of efficient methods for building recursive deterministic perceptron neural networks. *Neural Networks*, **2007**, 20, 1095-108	9.1	11