Juan J Flores

List of Publications by Year
in descending order

71 papers	813 citations	933447 10 h-index	526287 27 g-index
76 all docs	76 docs citations	76 times ranked	1099 citing authors

#	Article	IF	Citations
1	The application of artificial neural networks to the analysis of remotely sensed data. International Journal of Remote Sensing, 2008, 29, 617-663.	2.9	441
2	Evolutive design of ARMA and ANN models for time series forecasting. Renewable Energy, 2012, 44, 225-230.	8.9	59
3	Multi-Model Prediction for Demand Forecast in Water Distribution Networks. Energies, 2018, 11, 660.	3.1	24
4	Characterization of a polycrystalline photovoltaic cell using artificial neural networks. Solar Energy, 2020, 196, 157-167.	6.1	24
5	Gravitational Interactions Optimization. Lecture Notes in Computer Science, 2011, , 226-237.	1.3	21
6	Short-term demand forecast using a bank of neural network models trained using genetic algorithms for the optimal management of drinking water networks. Journal of Hydroinformatics, 2017, 19, 1-16.	2.4	15
7	Induction of Emotional States in Educational Video Games Through a Fuzzy Control System. IEEE Transactions on Affective Computing, 2021, 12, 66-77.	8.3	14
8	Solving a School Timetabling Problem Using a Bee Algorithm. Lecture Notes in Computer Science, 2008, , 664-674.	1.3	14
9	Evolutionary computation solutions to the circle packing problem. Soft Computing, 2016, 20, 1521-1535.	3.6	13
10	Forecasting from incomplete and chaotic wind speed data. Soft Computing, 2019, 23, 10119-10127.	3.6	11
11	Limiting the Velocity in the Particle Swarm Optimization Algorithm. Computacion Y Sistemas, 2016, 20, .	0.3	11
12	Time-Invariant Dynamic Systems identification based on the qualitative features of the response. Engineering Applications of Artificial Intelligence, 2005, 18, 719-729.	8.1	8
13	Models of Performance of Evolutionary Program Induction Algorithms Based on Indicators of Problem Difficulty. Evolutionary Computation, 2013, 21, 533-560.	3.0	8
14	Multi-class multi-tag classifier system for StackOverflow questions. , 2015, , .		8
15	Evolving nearest neighbor time series forecasters. Soft Computing, 2019, 23, 1039-1048.	3.6	8
16	k-Nearest-Neighbor by Differential Evolution for Time Series Forecasting. Lecture Notes in Computer Science, 2014, , 50-60.	1.3	8
17	Wind Speed Forecasting Using a Hybrid Neural-Evolutive Approach. Lecture Notes in Computer Science, 2009, , 600-609.	1.3	8
18	Short term photovoltaic power production using a hybrid of nearest neighbor and artificial neural networks. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
19	FNN a fuzzy version of the nearest neighbor time series forecasting technique. , 2015, , .		6
20	Multi-focus image fusion by local optimization over sliding windows. Signal, Image and Video Processing, 2018, 12, 869-876.	2.7	6
21	System-Independent Irradiance Sensorless ANN-Based MPPT for Photovoltaic Systems in Electric Vehicles. Energies, 2021, 14, 4820.	3.1	6
22	Generating Complete Bifurcation Diagrams Using a Dynamic Environment Particle Swarm Optimization Algorithm. Journal of Artificial Evolution and Applications, 2008, 2008, 1-8.	1.8	6
23	Complex fans. ACM Transactions on Mathematical Software, 1999, 25, 129-156.	2.9	5
24	Flow meter data validation and reconstruction using neural networks: Application to the Barcelona water network. , 2016, , .		5
25	Reducing the Search Space in Evolutive Design of ARIMA and ANN Models for Time Series Prediction. Lecture Notes in Computer Science, 2010, , 325-336.	1.3	5
26	Combined holt-winters and GA trained ANN approach for sensor validation and reconstruction: Application to water demand flowmeters. , 2016, , .		4
27	Soft Computing Methods with Phase Space Reconstruction for Wind Speed Forecasting—A Performance Comparison. Energies, 2019, 12, 3545.	3.1	4
28	Multi-focus image fusion for multiple images using adaptable size windows and parallel programming. Signal, Image and Video Processing, 2020, 14, 1293-1300.	2.7	4
29	Evolving HMMs for Network Anomaly Detection – Learning through Evolutionary Computation. , 2010, , .		3
30	Genetic Programming: Semantic point mutation operator based on the partial derivative error. , 2014, , .		3
31	Performance Comparison of Evolutionary Algorithms for University Course Timetabling Problem. Computacion Y Sistemas, 2016, 20, .	0.3	3
32	Wind speed time series reconstruction using a hybrid neural genetic approach. IOP Conference Series: Earth and Environmental Science, 2017, 93, 012020.	0.3	3
33	Nearest Neighbors Time Series Forecaster Based on Phase Space Reconstruction for Short-Term Load Forecasting. Energies, 2020, 13, 5309.	3.1	3
34	System Identification Using Genetic Programming and Gene Expression Programming. Lecture Notes in Computer Science, 2005, , 503-511.	1.3	3
35	Particle Swarm Optimization with Gravitational Interactions for Multimodal and Unimodal Problems. Lecture Notes in Computer Science, 2010, , 361-370.	1.3	3
36	A Constraint-Handling Genetic Algorithm to Power Economic Dispatch. Lecture Notes in Computer Science, 2008, , 371-381.	1.3	3

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37	Performance Classification of Genetic Algorithms on Continuous Optimization Problems. Lecture Notes in Computer Science, 2014, , 1-12.	1.3	3
38	A Graph-based Method to Solve the Economical Dispatch Problem Disregarding Slack Variables. Procedia Technology, 2012, 3, 304-315.	1.1	2
39	Network anomaly detection by continuous hidden markov models: An evolutionary programming approach. Intelligent Data Analysis, 2015, 19, 391-412.	0.9	2
40	Search of Initial Conditions for Dynamic Systems using Intelligent Optimization Methods. , 2007, , .		1
41	A System for Distributed SELinux Policy Management. , 2009, , .		1
42	Solution to the Registration Problem Using Differential Evolution and SSD-ARC Function. , 2010, , .		1
43	Solving a Scholar Timetabling Problem Using a Genetic Algorithm - Study Case: Instituto Tecnologico De Zitacuaro. , 2014, , .		1
44	Qualitative bifurcation diagrams. Expert Systems, 2014, 31, 319-334.	4.5	1
45	Qualitative and quantitative Multi-Model forecasting with nonlinear noise filter applied to water demand. , 2015, , .		1
46	Detecting the Boundary of Sensor Networks from Limited Cyclic Information. International Journal of Distributed Sensor Networks, 2015, 11, 401838.	2.2	1
47	A fast algorithm for binary Segmentation using color information. , 2015, , .		1
48	Comparison of time series forecasting techniques with respect to tolerance to noise. , 2016, , .		1
49	Parallel mining of frequent patterns for school records analytics at the Universidad Michoacana. , 2017, , .		1
50	Second-Order Changes on Personnel Assignment Under Uncertainty. Advances in Intelligent Systems and Computing, 2015, , 115-126.	0.6	1
51	Predicting the RCGA Performance for the University Course Timetabling Problem. Communications in Computer and Information Science, 2016, , 31-45.	0.5	1
52	FusiÃ³n de ImÃ¡genes Multi-Foco con Ventanas Variables. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2018, 15, 262.	1.0	1
53	A Genetic Representation for Dynamic System Qualitative Models on Genetic Programming: A Gene Expression Programming Approach. Lecture Notes in Computer Science, 2007, , 30-40.	1.3	1
54	Robust Parametric Image Registration. Studies in Computational Intelligence, 2007, , 337-360.	0.9	1

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55	A Simple Sample Consensus Algorithm to Find Multiple Models. Lecture Notes in Computer Science, 2009, , 918-925.	1.3	1
56	Multimodal Optimization by Decomposition of the Search Space in Regions. , 2007, , .		0
57	Search of Initial Conditions for Dynamic Systems using Intelligent Optimization Methods. , 2007, , .		0
58	Equivalence of the Constriction Factor and Inertia Weight Models in Particle Swarm Optimization: A Geometric Series Analysis. , 2008, , .		0
59	Qualitativization of 3D Functions from a Discrete Numerical Representation. , 2009, , .		0
60	MODELING A NONLINEAR LIQUID LEVEL SYSTEM BY CELLULAR NEURAL NETWORKS. International Journal of Modern Physics C, 2010, 21, 489-501.	1.7	0
61	A Bifurcation Diagram Tool based on NichePSO. , 2013, , .		0
62	Qualitative simulation over two-parameter bifurcation diagrams. , 2014, , .		0
63	Fuzzy EOQ Inventory Model With and Without Production as an Enterprise Improvement Strategy. Advances in Intelligent Systems and Computing, 2015, , 231-241.	0.6	0
64	Fuzzy Nearest Neighbor Time Series Forecasting - Computational Complexity. , 2016, , .		0
65	Parameter identification and qualitative analysis with differential evolution of the calcium standard kinetics model. , 2017, , .		0
66	Watermarks based on DCT for Digital Images Restoration. , 2018, , .		0
67	Evolving SARIMA Models Using cGA for Time Series Forecasting. , 2019, , .		0
68	Extracting Temporal Patterns from Time Series Data Bases for Prediction of Electrical Demand. Lecture Notes in Computer Science, 2004, , 21-29.	1.3	0
69	IDENTIFICATION OF SLOWLY TIME-VARYING SYSTEMS BASED ON THE QUALITATIVE FEATURES OF TRANSIENT RESPONSE A FROZEN-TIME APPROACH. , 2006, , .		0
70	A Behavioral Cloning based MPPT for Photovoltaic Systems: Learning Through P&O Demonstrations. , 2021, , .		0
71	Multimodal Optimization by Decomposition of the Search Space in Regions. , 2007, , .		0