Olga Valenzuela

List of Publications by Year
in descending order

55	1,055	471061	433756
papers	citations	17	31
		h-index	g-index

59	59	59	1055
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comprehensive Pan-cancer Gene Signature Assessment through the Implementation of a Cascade Machine Learning System. Current Bioinformatics, 2023, 18, 40-54.	0.7	1
2	Determination of the Severity and Percentage of COVID-19 Infection through a Hierarchical Deep Learning System. Journal of Personalized Medicine, 2022, 12, 535.	1.1	8
3	Multi-Class Classifier in Parkinsonâ€™s Disease Using an Evolutionary Multi-Objective Optimization Algorithm. Applied Sciences (Switzerland), 2022, 12, 3048.	1.3	3
4	Advanced neural network systems for solving complex real problems. Neural Processing Letters, 2021, 53, 3049.	2.0	0
5	Estimation of COVID-19 Dynamics in the Different States of the United States during the First Months of the Pandemic. Engineering Proceedings, 2021, 5, .	0.4	4
6	Towards Improving Skin Cancer Diagnosis by Integrating Microarray and RNA-Seq Datasets. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2119-2130.	3.9	16
7	Computational Intelligence Methods for Time Series Analysis and Forecasting: Special Issue of IWANN 2017. Neural Processing Letters, 2020, 52, 1-4.	2.0	2
8	Leukemia multiclass assessment and classification from Microarray and RNA-seq technologies integration at gene expression level. PLoS ONE, 2019, 14, e0212127.	1.1	31
9	Wearable Intelligent System for the Diagnosis of Cardiac Diseases Working in Real Time and with Low Energy Cost. Proceedings (mdpi), 2018, 2, .	0.2	0
10	Multiclass classification for skin cancer profiling based on the integration of heterogeneous gene expression series. PLoS ONE, 2018, 13, e0196836.	1.1	19
11	Multi-Objective Genetic Algorithms to Find Most Relevant Volumes of the Brain Related to Alzheimer's Disease and Mild Cognitive Impairment. International Journal of Neural Systems, 2018, 28, 1850022.	3.2	26
12	Statistical Analysis of the Main Configuration Parameters of the Network Dynamic and Adaptive Radio Protocol (DARP). Sensors, 2017, 17, 1502.	2.1	1
13	Advances and New Perspectives in Medicinal Chemistry Engineering and Bioinformatics (from IWBBIO) Tj ETQq1 1 0.784314 rgBT /Ov	1.0	0
14	Comparing different machine learning and mathematical regression models to evaluate multiple sequence alignments. Neurocomputing, 2015, 164, 123-136.	3.5	12
15	A Hierarchical Classification for the Selection of the Most Suitable Multiple Sequence Alignment Methodology. Current Bioinformatics, 2015, 10, 199-207.	0.7	0
16	A New Adaptive and Self Organizing Fuzzy Policy to Enhance the Real Time Control Performance. International Journal of Computational Intelligence Systems, 2014, 7, 582.	1.6	0
17	Creation of a Database Including a Set of Biological Features Related to Protein Sequences and Their Corresponding Alignment. , 2014, , .		0
18	Optimizing multiple sequence alignments using a genetic algorithm based on three objectives: structural information, non-gaps percentage and totally conserved columns. Bioinformatics, 2013, 29, 2112-2121.	1.8	48

#	Article	IF	Citations
19	Intelligent Systems to Autonomously Classify Several Arrhythmia Using Information from ECG. , 2013, , .		1
20	Comparison of different computational intelligent classifier to autonomously detect cardiac pathologies diagnosed by ECG. , 2013, , .		2
21	Classification of MRI Images for Alzheimer's Disease Detection. , 2013, , .		40
22	Human activity recognition based on a sensor weighting hierarchical classifier. Soft Computing, 2013, 17, 333-343.	2.1	66
23	Identification of saccadic components in spinocerebellar ataxia applying an independent component analysis algorithm. Neurocomputing, 2013, 121, 53-63.	3.5	1
24	Evolutionary computation for optimal knots allocation in smoothing splines. Applied Mathematical Modelling, 2013, 37, 5851-5863.	2.2	30
25	Predicting the accuracy of multiple sequence alignment algorithms by using computational intelligent techniques. Nucleic Acids Research, 2013, 41, e26-e26.	6.5	13
26	Selecting Negative Samples for PPI Prediction Using Hierarchical Clustering Methodology. Journal of Applied Mathematics, 2012, 2012, 1-23.	0.4	1
27	Advanced system for automously classify brain MRI in neurodegenerative disease. , 2012, , .		9
28	Classification of spino cerebellar ataxia type 2 based on the pulse-step saccadic model. International Journal of Psychophysiology, 2012, 85, 396.	0.5	0
29	Advanced systems in medical decision-making using intelligent computing. Application to magnetic resonance imaging. , 2012, , .		4
30	Using machine learning techniques and genomic/proteomic information from known databases for defining relevant features for PPI classification. Computers in Biology and Medicine, 2012, 42, 639-650.	3.9	6
31	A new adaptive fuzzy control policy against conventional methods. Statistical analysis of real time control performance. , 2012, , .		1
32	An enhanced clustering function approximation technique for a radial basis function neural network. Mathematical and Computer Modelling, 2012, 55, 286-302.	2.0	12
33	A new approach to estimate the interpolation error of fuzzy data using similarity measures of fuzzy numbers. Computers and Mathematics With Applications, 2011, 61, 1633-1645.	1.4	10
34	Fuzzy data approximation using smoothing cubic splines: Similarity and error analysis. Applied Mathematical Modelling, 2011, 35, 2122-2144.	2.2	9
35	The TaSe-NF model for function approximation problems: Approaching local and global modelling. Fuzzy Sets and Systems, 2011, 171, 1-21.	1.6	9
36	Pulse Component Modification Detection in Spino Cerebellar Ataxia 2 Using ICA. Lecture Notes in Computer Science, 2011, , 323-328.	1.0	0

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37	Using near-infrared spectroscopy in the classification of white and iberian pork with neural networks. Neural Computing and Applications, 2010, 19, 465-470.	3.2	17
38	INTELLIGENT SYSTEM BASED ON GENETIC PROGRAMMING FOR ATRIAL FIBRILLATION CLASSIFICATION. Applied Artificial Intelligence, 2009, 23, 895-909.	2.0	1
39	Parallel multiobjective memetic RBFNNs design and feature selection for function approximation problems. Neurocomputing, 2009, 72, 3541-3555.	3.5	35
40	Independent Component Analysis Aided Diagnosis of Cuban Spino Cerebellar Ataxia 2. Lecture Notes in Computer Science, 2009, , 259-266.	1.0	0
41	Hybridization of intelligent techniques and ARIMA models for time series prediction. Fuzzy Sets and Systems, 2008, 159, 821-845.	1.6	139
42	Soft-computing techniques and ARMA model for time series prediction. Neurocomputing, 2008, 71, 519-537.	3.5	188
43	Recursive prediction for long term time series forecasting using advanced models. Neurocomputing, 2007, 70, 2870-2880.	3.5	64
44	Using fuzzy logic to improve a clustering technique for function approximation. Neurocomputing, 2007, 70, 2853-2860.	3.5	28
45	Output value-based initialization for radial basis function neural networks. Neural Processing Letters, 2007, 25, 209-225.	2.0	26
46	Studying possibility in a clustering algorithm for RBFNN design for function approximation. Neural Computing and Applications, 2007, 17, 75-89.	3.2	22
47	Adaptive fuzzy controller: Application to the control of the temperature of a dynamic room in real time. Fuzzy Sets and Systems, 2006, 157, 2241-2258.	1.6	44
48	TaSe, a Taylor series-based fuzzy system model that combines interpretability and accuracy. Fuzzy Sets and Systems, 2005, 153, 403-427.	1.6	60
49	TaSe Model for Long Term Time Series Forecasting. Lecture Notes in Computer Science, 2005, , 1027-1034.	1.0	1
50	Analysis of the TaSe-II TSK-Type Fuzzy System for Function Approximation. Lecture Notes in Computer Science, 2005, , 613-624.	1.0	4
51	Function Approximation through Fuzzy Systems Using Taylor Series Expansion-Based Rules: Interpretability and Parameter Tuning. Lecture Notes in Computer Science, 2004, , 508-516.	1.0	2
52	MultiGrid-Based Fuzzy Systems for Function Approximation. Lecture Notes in Computer Science, 2004, , 252-261.	1.0	5
53	The Synergy between Classical and Soft-Computing Techniques for Time Series Prediction. Lecture Notes in Computer Science, 2004, , 30-39.	1.0	5
54	Analysis of the operators involved in the definition of the implication functions and in the fuzzy inference process. International Journal of Approximate Reasoning, 1998, 19, 367-389.	1.9	27

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55	Self-adaptive robot control using fuzzy logic. , 0, , .		1