Paulo Vitor De Campos Souza

List of Publications by Year
in descending order

51 papers	622 citations	623574 14 h-index	677027 22 g-index
51 all docs	51 docs citations	51 times ranked	326 citing authors

#	Article	IF	Citations
1	Fuzzy neural networks and neuro-fuzzy networks: A review the main techniques and applications used in the literature. Applied Soft Computing Journal, 2020, 92, 106275.	4.1	131
2	Using Resistin, Glucose, Age and BMI and Pruning Fuzzy Neural Network for the Construction of Expert Systems in the Prediction of Breast Cancer. Machine Learning and Knowledge Extraction, 2019, 1, 466-482.	3.2	48
3	Data density-based clustering for regularized fuzzy neural networks based on nullneurons and robust activation function. Soft Computing, 2019, 23, 12475-12489.	2.1	23
4	An evolving neuro-fuzzy system based on uni-nullneurons with advanced interpretability capabilities. Neurocomputing, 2021, 451, 231-251.	3.5	20
5	An advanced interpretable Fuzzy Neural Network model based on uni-nullneuron constructed from n-uninorms. Fuzzy Sets and Systems, 2022, 426, 1-26.	1.6	19
6	Pruning Fuzzy Neural Network Applied to the Construction of Expert Systems to Aid in the Diagnosis of the Treatment of Cryotherapy and Immunotherapy. Big Data and Cognitive Computing, 2019, 3, 22.	2.9	18
7	Fuzzy Neural Networks based on Fuzzy Logic Neurons Regularized by Resampling Techniques and Regularization Theory for Regression Problems. , 0, , 114-133.		18
8	Regularized Fuzzy Neural Network Based on Or Neuron for Time Series Forecasting. Communications in Computer and Information Science, 2018, , 13-23.	0.4	17
9	Uninorm based regularized fuzzy neural networks. , 2018, , .		17
10	Using fuzzy neural networks for improving the prediction of children with autism through mobile devices. , 2018, , .		16
11	Pruning fuzzy neural networks based on unineuron for problems of classification of patterns. Journal of Intelligent and Fuzzy Systems, 2018, 35, 2597-2605.	0.8	16
12	A hybrid approach of intelligent systems to help predict absenteeism at work in companies. SN Applied Sciences, 2019, 1, 1.	1.5	16
13	Incremental regularized Data Density-Based Clustering neural networks to aid in the construction of effort forecasting systems in software development. Applied Intelligence, 2019, 49, 3221-3234.	3.3	16
14	Evolving fuzzy neural hydrocarbon networks: A model based on organic compounds. Knowledge-Based Systems, 2020, 203, 106099.	4.0	16
15	Evolving fuzzy neural networks to aid in the construction of systems specialists in cyber attacks1. Journal of Intelligent and Fuzzy Systems, 2019, 36, 6743-6763.	0.8	15
16	Pulsar Detection for Wavelets SODA and Regularized Fuzzy Neural Networks Based on Andneuron and Robust Activation Function. International Journal on Artificial Intelligence Tools, 2019, 28, 1950003.	0.7	15
17	Stochastic parallel extreme artificial hydrocarbon networks: An implementation for fast and robust supervised machine learning in high-dimensional data. Engineering Applications of Artificial Intelligence, 2020, 89, 103427.	4.3	14
18	An Advanced Pruning Method in the Architecture of Extreme Learning Machines Using L1-Regularization and Bootstrapping. Electronics (Switzerland), 2020, 9, 811.	1.8	13

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19	Detection of Anomalies in Large-Scale Cyberattacks Using Fuzzy Neural Networks. AI, 2020, 1, 92-116.	2.1	12
20	An interpretable evolving fuzzy neural network based on self-organized direction-aware data partitioning and fuzzy logic neurons. Applied Soft Computing Journal, 2021, 112, 107829.	4.1	12
21	Using Fuzzy Neural Networks to the Prediction of Improvement in Expert Systems for Treatment of Immunotherapy. Lecture Notes in Computer Science, 2018, , 229-240.	1.0	11
22	Using hybrid systems in the construction of expert systems in the identification of cognitive and motor problems in children and young people. , 2019, , .		11
23	Self-organized direction aware for regularized fuzzy neural networks. Evolving Systems, 2021, 12, 303-317.	2.4	11
24	EGFC: Evolving Gaussian Fuzzy Classifier from Never-Ending Semi-Supervised Data Streams â€“ With Application to Power Quality Disturbance Detection and Classification. , 2020, , .		10
25	Regularized fuzzy neural networks based on nullneurons for problems of classification of patterns. , 2018, , .		9
26	Identification of Heart Sounds with an Interpretable Evolving Fuzzy Neural Network. Sensors, 2020, 20, 6477.	2.1	9
27	A Hybrid Model Based on Fuzzy Rules to Act on the Diagnosed of Autism in Adults. IFIP Advances in Information and Communication Technology, 2019, , 401-412.	0.5	8
28	Regularized Fuzzy Neural Networks to Aid Effort Forecasting in the Construction and Software Development. International Journal of Artificial Intelligence & Applications, 2018, 9, 13-26.	0.3	8
29	Using Fuzzy Neural Networks to Improve Prediction of Expert Systems for Detection of Breast Cancer. , 0, , .		8
30	EFNN-NullUni: An evolving fuzzy neural network based on null-uninorm. Fuzzy Sets and Systems, 2022, 449, 1-31.	1.6	8
31	Bayesian Fuzzy Clustering neural network for regression problems. , 2019, , .		6
32	An Intelligent Hybrid Model for the Construction of Expert Systems in Malware Detection. , 2020, , .		6
33	An intelligent Bayesian hybrid approach to help autism diagnosis. Soft Computing, 2021, 25, 9163-9183.	2.1	6
34	Method of pruning the hidden layer of the extreme learning machine based on correlation coefficient. , 2018, , .		5
35	Pruning method in the architecture of extreme learning machines based on partial least squares regression. IEEE Latin America Transactions, 2018, 16, 2864-2871.	1.2	5
36	An Interpretable Machine Learning Model for Human Fall Detection Systems Using Hybrid Intelligent Models. Studies in Systems, Decision and Control, 2020, , 181-205.	0.8	5

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37	Development of Fast and Reliable Nature-Inspired Computing forÂSupervised Learning inÂHigh-Dimensional Data. Studies in Computational Intelligence, 2020, , 109-138.	0.7	4
38	Hybrid Model for Parkinsonâ€™s Disease Prediction. Communications in Computer and Information Science, 2020, , 621-634.	0.4	4
39	Autonomous Data Density pruning fuzzy neural network for Optical Interconnection Network. Evolving Systems, 2021, 12, 899-911.	2.4	3
40	Fuzzy Rules to Help Predict Rains and Temperatures in a Brazilian Capital State Based on Data Collected from Satellites. Applied Sciences (Switzerland), 2019, 9, 5476.	1.3	2
41	Knowledge extraction about patients surviving breast cancer treatment through an autonomous fuzzy neural network. , 2020, , .		2
42	Extreme Wavelet Fast Learning Machine for Evaluation of the Default Profile on Financial Transactions. Computational Economics, 2021, 57, 1263-1285.	1.5	2
43	Evolving Fuzzy Neural Network Based on Uni-nullneuron to Identify Auction Fraud. , 0, , .		2
44	Using Fuzzy Neural Networks Regularized to Support Software for Predicting Autism in Adolescents on Mobile Devices. , 2019, , 115-133.		2
45	Pruning Extreme Wavelets Learning Machine by Automatic Relevance Determination. Communications in Computer and Information Science, 2019, , 208-220.	0.4	1
46	Fuzzy Neural Networks based on Fuzzy Logic Neurons Regularized by Resampling Techniques and Regularization Theory for Regression Problems. , 0, , 114-133.		1
47	EFNN-Gen â€” a uni-nullneuron-based evolving fuzzy neural network with generalist rules. , 2022, , .		1
48	Intelligent Control Navigation Emerging on Multiple Mobile Robots Applying Social Wound Treatment. , 2019, , .		0
49	A Method to Improve Speed of Training Algorithm in Artificial Hydrocarbon Networks. , 2019, , .		0
50	Regularized neuro-fuzzy AI model to aid score management in Online distance learning forums. , 2021, , .		0
51	A Comparative Analysis of Evolutionary Learning in Artificial Hydrocarbon Networks. Lecture Notes in Computer Science, 2020, , 223-234.	1.0	0