Hugo Valadares Siqueira

List of Publications by Year
in descending order

63	1,072	394286 19	454834 30
papers	citations	h-index	g-index

63	63	63	820
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recursive linear models optimized by bioinspired metaheuristics to streamflow time series prediction. International Transactions in Operational Research, 2023, 30, 742-773.	1.8	9
2	A methodology for coffee price forecasting based on extreme learning machines. Information Processing in Agriculture, 2022, 9, 556-565.	2.9	10
3	Solar Irradiance Forecasting Using Dynamic Ensemble Selection. Applied Sciences (Switzerland), 2022, 12, 3510.	1.3	21
4	Dynamic model to predict the association between air quality, COVID-19 cases, and level of lockdown. Environmental Pollution, 2021, 268, 115920.	3.7	27
5	Neural-Based Ensembles for Particulate Matter Forecasting. IEEE Access, 2021, 9, 14470-14490.	2.6	35
6	Analysis of Bayesian Network Learning Techniques for a Hybrid Multi-objective Bayesian Estimation of Distribution Algorithm: a case study on MNK Landscape. Journal of Heuristics, 2021, 27, 549-573.	1.1	8
7	ClusterizaÃ§Ã£o do perfil de adolescentes escolares com predisposiÃ§Ã£o ao uso de substÃ¢ncia psicoativas. Research, Society and Development, 2021, 10, e37510212528.	0.0	1
8	Comparative study of forecasting approaches in monthly streamflow series from Brazilian hydroelectric plants using Extreme Learning Machines and Box & Jenkins models. Journal of Hydrology and Hydromechanics, 2021, 69, 180-195.	0.7	5
9	Swarm-Inspired Algorithms to Optimize a Nonlinear Gaussian Adaptive PID Controller. Energies, 2021, 14, 3385.	1.6	6
10	Metaheuristic-based optimization applied to GAPID controller. , 2021, , .		1
11	An adaptive hybrid system using deep learning for wind speed forecasting. Information Sciences, 2021, 581, 495-514.	4.0	27
12	Anomaly Detection in Automotive Industry Using Clustering Methodsâ€"A Case Study. Applied Sciences (Switzerland), 2021, 11, 9868.	1.3	14
13	Unorganized Machines to Estimate the Number of Hospital Admissions Due to Respiratory Diseases Caused by PM10 Concentration. Atmosphere, 2021, 12, 1345.	1.0	6
14	Overview on Binary Optimization Using Swarm-Inspired Algorithms. IEEE Access, 2021, 9, 149814-149858.	2.6	9
15	Energy Consumption Forecasting for Smart Meters Using Extreme Learning Machine Ensemble. Sensors, 2021, 21, 8096.	2.1	10
16	A Hybrid Model With Error Correction for Wind Speed Forecasting. , 2021, , .		0
17	Modelling the Social Interactions in Grey Wolf Optimizer. , 2021, , .		1
18	Performance comparison of machine learning models for streamflow forecasting. , 2021, , .		1

#	Article	IF	Citations
19	Optimization Tools Based on Metaheuristics for Performance Enhancement in a Gaussian Adaptive PID Controller. IEEE Transactions on Cybernetics, 2020, 50, 1185-1194.	6.2	41
20	Ensemble method based on Artificial Neural Networks to estimate air pollution health risks. Environmental Modelling and Software, 2020, 123, 104567.	1.9	56
21	Neural-Based Ensembles and Unorganized Machines to Predict Streamflow Series from Hydroelectric Plants. Energies, 2020, 13, 4769.	1.6	26
22	A Methodology to Increase the Accuracy of Particulate Matter Predictors Based on Time Decomposition. Sustainability, 2020, 12, 7310.	1.6	10
23	Multi-objective ensembles of echo state networks and extreme learning machines for streamflow series forecasting. Engineering Applications of Artificial Intelligence, 2020, 95, 103910.	4.3	34
24	Sensors and Systems for Physical Rehabilitation and Health Monitoringâ€"A Review. Sensors, 2020, 20, 4063.	2.1	59
25	A Hybrid Nonlinear Combination System for Monthly Wind Speed Forecasting. IEEE Access, 2020, 8, 191365-191377.	2.6	16
26	Convolutional Neural Network to Detect and Measure Fetal Skull Circumference in Ultrasound Imaging. IEEE Access, 2020, 8, 191519-191529.	2.6	15
27	Selection of Temporal Lags for Predicting Riverflow Series from Hydroelectric Plants Using Variable Selection Methods. Energies, 2020, 13, 4236.	1.6	27
28	Independent component analysis in multi-channel forearm surface electromyography processing on armband approach for hand gesture classification. Research on Biomedical Engineering, 2020, 36, 439-448.	1.5	2
29	Air pollution epidemiology: A simplified Generalized Linear Model approach optimized by bio-inspired metaheuristics. Environmental Research, 2020, 191, 110106.	3.7	28
30	Sunspot behavior forecast using neural networks approaches. , 2020, , .		0
31	Simplified binary cat swarm optimization. Integrated Computer-Aided Engineering, 2020, 28, 35-50.	2.5	28
32	Comparative analysis among feature selection of sEMG signal for hand gesture classification by armband. IEEE Latin America Transactions, 2020, 18, 1135-1143.	1.2	17
33	Feature selection and dimensionality reduction: An extensive comparison in hand gesture classification by sEMG in eight channels armband approach. Biomedical Signal Processing and Control, 2020, 59, 101920.	3.5	43
34	Artificial Neural Networks to Estimate the Influence of Vehicular Emission Variables on Morbidity and Mortality in the Largest Metropolis in South America. Sustainability, 2020, 12, 2621.	1.6	31
35	Deseasonalization Methods in Seasonal Streamflow Series Forecasting. , 2020, , 1551-1560.		1
36	Analysis of Regularized Echo State Networks on the Impact of Air Pollutants on Human Health. , 2020, , 357-364.		0

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37	SBFSS: Simplified Binary Fish School Search. , 2019, , .		3
38	Investigation of College Dropout with the Fuzzy C-Means Algorithm. , 2019, , .		7
39	Detecting a predefined solar spot group with a pretrained convolutional neural network. , 2019, , .		2
40	Swarm intelligence for clustering â€" A systematic review with new perspectives on data mining. Engineering Applications of Artificial Intelligence, 2019, 82, 313-329.	4.3	58
41	A novel binary artificial bee colony algorithm. Future Generation Computer Systems, 2019, 98, 180-196.	4.9	53
42	Neural Networks for Predicting Prices of Sugarcane Derivatives. Sugar Tech, 2019, 21, 514-523.	0.9	17
43	Solar Spots Classification Using Pre-processing and Deep Learning Image Techniques. Communications in Computer and Information Science, 2019, , 235-246.	0.4	0
44	Assessing the impact of PM2.5 on respiratory disease using artificial neural networks. Environmental Pollution, 2018, 235, 394-403.	3.7	101
45	Performance analysis of unorganized machines in streamflow forecasting of Brazilian plants. Applied Soft Computing Journal, 2018, 68, 494-506.	4.1	34
46	Seasonal Streamflow Series Forecasting Using Recurrent Neural Networks. , 2018, , .		1
47	Genetic Algorithm and Poles-Placement: a Comparative Study on the Design of PD and PID Controllers Applied to a Quadrotor Flight Stabilization. , 2018, , .		2
48	Hyper-Heuristics Using Genetic Programming to Time Series Forecasting. , 2018, , .		1
49	Boolean Binary Cat Swarm Optimization Algorithm. , 2018, , .		10
50	Performance Comparison of Particle Swarm optimization Strategies to Adjust a Nonlinear GAPID Controller. , 2018, , .		2
51	Double-Swarm Binary Particle Swarm Optimization. , 2018, , .		4
52	Application of PSO-based clustering algorithms on educational databases. , 2017, , .		18
53	Forecasting Particulate Matter Concentrations: Use of Unorganized Machines. International Journal of Advanced Engineering Research and Science, 2017, 4, 188-191.	0.0	5
54	Unorganized machines to predict hospital admissions for respiratory diseases. , 2016, , .		14

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55	Gaussian adaptive PID control optimized via genetic algorithm applied to a step-down DC-DC converter. , 2016, , .		19
56	Unorganized neural networks applied to streamflow forecasting of Passo Real hydroelectric plant. , 2016, , .		1
57	Performance comparizon of unorganized recurrent neural network applied to streamflow forecasting of Sobradinho plant. , 2015, , .		2
58	UNORGANIZED MACHINES FOR SEASONAL STREAMFLOW SERIES FORECASTING. International Journal of Neural Systems, 2014, 24, 1430009.	3.2	37
59	Echo State Networks for Seasonal Streamflow Series Forecasting. Lecture Notes in Computer Science, 2012, , 226-236.	1.0	18
60	Echo State Networks and Extreme Learning Machines: A Comparative Study on Seasonal Streamflow Series Prediction. Lecture Notes in Computer Science, 2012, , 491-500.	1.0	18
61	Echo State Networks in Seasonal Streamflow Series Prediction. Learning and Nonlinear Models, 2012, 10, 181-191.	0.2	13
62	Unorganized machines and linear multivariate regression model applied to atmospheric pollutant forecasting. Acta Scientiarum - Technology, 0, 42, e48203.	0.4	7
63	Desenvolvimento de um controlador Fuzzy-PID aplicado Ã uma ventoinha. , 0, , .		0