

Pedro M Ferreira

List of Publications by Year in descending order

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52
papers

1,209
citations

567247

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54
all docs

54
docs citations

54
times ranked

1215
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural networks based predictive control for thermal comfort and energy savings in public buildings. Energy and Buildings, 2012, 55, 238-251.	6.7	353
2	Neural network models in greenhouse air temperature prediction. Neurocomputing, 2002, 43, 51-75.	5.9	146
3	A Comparison of Energy Consumption Prediction Models Based on Neural Networks of a Bioclimatic Building. Energies, 2016, 9, 57.	3.1	83
4	Performance of intertidal topography video monitoring of a meso-tidal reflective beach in South Portugal. Ocean Dynamics, 2011, 61, 1521-1540.	2.2	55
5	Seismic detection using support vector machines. Neurocomputing, 2014, 135, 273-283.	5.9	53
6	An Intelligent Weather Station. Sensors, 2015, 15, 31005-31022.	3.8	39
7	The IMBPC HVAC system: A complete MBPC solution for existing HVAC systems. Energy and Buildings, 2016, 120, 145-158.	6.7	39
8	Exploiting the separability of linear and nonlinear parameters in radial basis function networks. , 0, , .		30
9	A Neural Network Based Intelligent Predictive Sensor for Cloudiness, Solar Radiation and Air Temperature. Sensors, 2012, 12, 15750-15777.	3.8	28
10	A convex hull-based data selection method for data driven models. Applied Soft Computing Journal, 2016, 47, 515-533.	7.2	28
11	Wireless Sensors and IoT Platform for Intelligent HVAC Control. Applied Sciences (Switzerland), 2018, 8, 370.	2.5	28
12	Online Sliding-Window Methods for Process Model Adaptation. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3012-3020.	4.7	25
13	Neural network PMV estimation for model-based predictive control of HVAC systems. , 2012, , .		25
14	Evaluation of LoRa Technology in Flooding Prevention Scenarios. Sensors, 2020, 20, 4034.	3.8	24
15	Evolutionary Multiobjective Neural Network Models Identification: Evolving Task-Optimised Models. Studies in Computational Intelligence, 2011, , 21-53.	0.9	23
16	Genetic assisted selection of RBF model structures for greenhouse inside air temperature prediction. , 0, , .		20
17	EVOLUTIONARY MULTIOBJECTIVE DESIGN OF RADIAL BASIS FUNCTION NETWORKS FOR GREENHOUSE ENVIRONMENTAL CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 63-68.	0.4	15
18	Model based predictive control of HVAC systems for human thermal comfort and energy consumption minimisation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 236-241.	0.4	15

#	ARTICLE	IF	CITATIONS
19	Solar radiation prediction using RBF Neural Networks and cloudiness indices. , 2006, , .		13
20	CHOICE OF RBF MODEL STRUCTURE FOR PREDICTING GREENHOUSE INSIDE AIR TEMPERATURE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 91-96.	0.4	12
21	A Randomized Approximation Convex Hull Algorithm for High Dimensions. IFAC-PapersOnLine, 2015, 48, 123-128.	0.9	11
22	Discrete Model-Based Greenhouse Environmental Control using the Branch & Bound Algorithm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2937-2943.	0.4	10
23	Evolving RBF Predictive Models to Forecast the Portuguese Electricity Consumption. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 414-419.	0.4	9
24	Implementation of an intelligent sensor for measurement and prediction of solar radiation and atmospheric temperature. , 2011, , .		9
25	Energy savings in HVAC systems using discrete model-based predictive control. , 2012, , .		9
26	A simple algorithm for convex hull determination in high dimensions. , 2013, , .		9
27	PVM-based intelligent predictive control of HVAC systems. IFAC-PapersOnLine, 2016, 49, 371-376.	0.9	9
28	A neural-network based intelligent weather station. , 2015, , .		8
29	Optimized Design of Neural Networks for a River Water Level Prediction System. Sensors, 2021, 21, 6504.	3.8	8
30	TRAINING NEURAL NETWORKS AND NEURO-FUZZY SYSTEMS: A UNIFIED VIEW. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 415-420.	0.4	7
31	Application of computational intelligence methods to greenhouse environmental modelling. , 2008, , .		7
32	Neural Network based HVAC Predictive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3617-3622.	0.4	7
33	DESIGN AND IMPLEMENTATION OF A REAL-TIME DATA ACQUISITION SYSTEM FOR THE IDENTIFICATION OF DYNAMIC TEMPERATURE MODELS IN A HYDROPONIC GREENHOUSE. Acta Horticulturae, 2000, , 191-198.	0.2	5
34	Predicting the Greenhouse Inside Air Temperature with RBF Neural Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 67-72.	0.4	5
35	Forecasting the Portuguese Electricity Consumption using Least-Squares Support Vector Machines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 411-416.	0.4	5
36	Neural networks assisted diagnosis of ischemic CVA's through CT scan. , 2007, , .		4

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37	Improving the Identification of RBF Predictive Models to Forecast the Portuguese Electricity Consumption*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 208-213.	0.4	4
38	MOGA Design of Temperature and Relative Humidity Models for Predictive Thermal Comfort.1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 116-121.	0.4	3
39	Towards a more analytical training of neural networks and neuro-fuzzy systems. , 2011, , .		3
40	Improving a neural networks based HVAC predictive control approach. , 2015, , .		3
41	Unsupervised entropy-based selection of data sets for improved model fitting. , 2016, , .		3
42	A Comparison of Four Data Selection Methods for Artificial Neural Networks and Support Vector Machines. IFAC-PapersOnLine, 2017, 50, 11227-11232.	0.9	3
43	Cloud and Clear Sky Pixel Classification in Ground-Based All-Sky Hemispherical Digital Images*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 273-278.	0.4	2
44	Exploiting the functional training approach in Radial Basis Function networks. , 2011, , .		2
45	Extending the functional training approach for B-splines. , 2012, , .		2
46	A Support Vector Machine Seismic Detector for Early-Warning Applications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 405-410.	0.4	2
47	On-line sliding-window Levenberg-Marquardt methods for neural network models. , 2007, , .		1
48	Improving the Diagnosis of Ischemic CVA's through CT Scan with Neural Networks. , 2007, , .		1
49	Towards online operation of a RBF neural network model to forecast the Portuguese electricity consumption. , 2011, , .		1
50	MOGA Design of Neural Network Predictors of Inside Temperature in Public Buildings. Studies in Computational Intelligence, 2009, , 35-61.	0.9	1
51	Exploiting the functional training approach in B-Splines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 127-132.	0.4	0
52	A New Convex Hull, Sliding Window Based Online Adaptation Method. IFAC-PapersOnLine, 2018, 51, 211-216.	0.9	0