Pedro M Ferreira

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51 papers	910 citations	14 h-index	29 g-index
54 ext. papers	1,067 ext. citations	3 avg, IF	4.16 L-index

#	Paper	IF	Citations
51	Optimized Design of Neural Networks for a River Water Level Prediction System. *Sensors*, **2021**, 21,	3.8	3
50	Evaluation of LoRa Technology in Flooding Prevention Scenarios. *Sensors*, **2020**, 20,	3.8	6
49	Wireless Sensors and IoT Platform for Intelligent HVAC Control. *Applied Sciences (Switzerland)*, **2018**, 8, 370	2.6	14
48	A New Convex Hull, Sliding Window Based Online Adaptation Method. *IFAC-PapersOnLine*, **2018**, 51, 211-216	0.7	
47	A Comparison of Four Data Selection Methods for Artificial Neural Networks and Support Vector Machines. *IFAC-PapersOnLine*, **2017**, 50, 11227-11232	0.7	3
46	PVM-based intelligent predictive control of HVAC systems. *IFAC-PapersOnLine*, **2016**, 49, 371-376	0.7	7
45	A convex hull-based data selection method for data driven models. *Applied Soft Computing Journal*, **2016**, 47, 515-533	7.5	22
44	The IMBPC HVAC system: A complete MBPC solution for existing HVAC systems. *Energy and Buildings*, **2016**, 120, 145-158	7	33
43	A Comparison of Energy Consumption Prediction Models Based on Neural Networks of a Bioclimatic Building. *Energies*, **2016**, 9, 57	3.1	60
42	Unsupervised entropy-based selection of data sets for improved model fitting **2016**,		2
41	A neural-network based intelligent weather station **2015**,		6
40	Improving a neural networks based HVAC predictive control approach **2015**,		3
39	An Intelligent Weather Station. *Sensors*, **2015**, 15, 31005-22	3.8	29
38	A Randomized Approximation Convex Hull Algorithm for High Dimensions. *IFAC-PapersOnLine*, **2015**, 48, 123-128	0.7	9
37	Neural Network based HVAC Predictive Control. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 3617-3622		5
36	Seismic detection using support vector machines. *Neurocomputing*, **2014**, 135, 273-283	5.4	43
35	A simple algorithm for convex hull determination in high dimensions **2013**,		7

34	A Support Vector Machine Seismic Detector for Early-Warning Applications. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 405-410		1
33	Forecasting the Portuguese Electricity Consumption using Least-Squares Support Vector Machines. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2013**, 46, 411-416		2
32	Exploiting the Functional Training Approach in Takagi-Sugeno Neuro-fuzzy Systems. *Advances in Intelligent Systems and Computing*, **2013**, 543-559	0.4	1
31	A neural network based intelligent predictive sensor for cloudiness, solar radiation and air temperature. *Sensors*, **2012**, 12, 15750-77	3.8	23
30	Neural network PMV estimation for model-based predictive control of HVAC systems **2012**,		18
29	Extending the functional training approach for B-splines **2012**,		2
28	Neural networks based predictive control for thermal comfort and energy savings in public buildings. *Energy and Buildings*, **2012**, 55, 238-251	7	278
27	**2012**,		6
26	Exploiting the functional training approach in B-Splines. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 127-132		
25	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		11
24	**2011**,		7
23	Performance of intertidal topography video monitoring of a meso-tidal reflective beach in South Portugal. *Ocean Dynamics*, **2011**, 61, 1521-1540	2.3	45
22	Exploiting the functional training approach in Radial Basis Function networks **2011**,		2
21	**2011**,		3
20	Evolutionary Multiobjective Neural Network Models Identification: Evolving Task-Optimised Models. *Studies in Computational Intelligence*, **2011**, 21-53	0.8	14
19	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		3
18	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		3
17	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		2

16	Online Sliding-Window Methods for Process Model Adaptation. *IEEE Transactions on Instrumentation and Measurement*, **2009**, 58, 3012-3020	5.2	22
15	Evolving RBF Predictive Models to Forecast the Portuguese Electricity Consumption. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2009**, 42, 414-419		7
14	MOGA Design of Neural Network Predictors of Inside Temperature in Public Buildings. *Studies in Computational Intelligence*, **2009**, 35-61	0.8	1
13	Application of computational intelligence methods to greenhouse environmental modelling **2008**,		7
12	Discrete Model-Based Greenhouse Environmental Control using the Branch & Bound Algorithm. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 2937-2943		7
11	Improving the Diagnosis of Ischemic CVAs through CT Scan with Neural Networks **2007**,		1
10	Neural networks assisted diagnosis of ischemic CVAs through CT scan **2007**,		2
9	Solar radiation prediction using RBF Neural Networks and cloudiness indices **2006**,		6
8	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		9
7	Neural network models in greenhouse air temperature prediction. *Neurocomputing*, **2002**, 43, 51-75	5.4	113
6	CHOICE OF RBF MODEL STRUCTURE FOR PREDICTING GREENHOUSE INSIDE AIR TEMPERATURE. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2002**, 35, 91-96		9
5	TRAINING NEURAL NETWORKS AND NEURO-FUZZY SYSTEMS: A UNIFIED VIEW. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2002**, 35, 415-420		4
4	Predicting the Greenhouse Inside Air Temperature with RBF Neural Networks. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2001**, 34, 67-72		2
3	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	0.3	4
2	Genetic assisted selection of RBF model structures for greenhouse inside air temperature prediction		16
1	Exploiting the separability of linear and nonlinear parameters in radial basis function networks		25