

# Pedro M Ferreira

## List of Publications by Citations

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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	Neural networks based predictive control for thermal comfort and energy savings in public buildings. <i>Energy and Buildings</i> , <b>2012</b> , 55, 238-251	7	278
50	Neural network models in greenhouse air temperature prediction. <i>Neurocomputing</i> , <b>2002</b> , 43, 51-75	5.4	113
49	A Comparison of Energy Consumption Prediction Models Based on Neural Networks of a Bioclimatic Building. <i>Energies</i> , <b>2016</b> , 9, 57	3.1	60
48	Performance of intertidal topography video monitoring of a meso-tidal reflective beach in South Portugal. <i>Ocean Dynamics</i> , <b>2011</b> , 61, 1521-1540	2.3	45
47	Seismic detection using support vector machines. <i>Neurocomputing</i> , <b>2014</b> , 135, 273-283	5.4	43
46	The IMBPC HVAC system: A complete MBPC solution for existing HVAC systems. <i>Energy and Buildings</i> , <b>2016</b> , 120, 145-158	7	33
45	An Intelligent Weather Station. <i>Sensors</i> , <b>2015</b> , 15, 31005-22	3.8	29
44	Exploiting the separability of linear and nonlinear parameters in radial basis function networks		25
43	A neural network based intelligent predictive sensor for cloudiness, solar radiation and air temperature. <i>Sensors</i> , <b>2012</b> , 12, 15750-77	3.8	23
42	A convex hull-based data selection method for data driven models. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 47, 515-533	7.5	22
41	Online Sliding-Window Methods for Process Model Adaptation. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2009</b> , 58, 3012-3020	5.2	22
40	Neural network PMV estimation for model-based predictive control of HVAC systems <b>2012</b> ,		18
39	Genetic assisted selection of RBF model structures for greenhouse inside air temperature prediction		16
38	Wireless Sensors and IoT Platform for Intelligent HVAC Control. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 370	2.6	14
37	Evolutionary Multiobjective Neural Network Models Identification: Evolving Task-Optimised Models. <i>Studies in Computational Intelligence</i> , <b>2011</b> , 21-53	0.8	14
36	Model based predictive control of HVAC systems for human thermal comfort and energy consumption minimisation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 236-241		11
35	A Randomized Approximation Convex Hull Algorithm for High Dimensions. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 123-128	0.7	9

34	EVOLUTIONARY MULTIOBJECTIVE DESIGN OF RADIAL BASIS FUNCTION NETWORKS FOR GREENHOUSE ENVIRONMENTAL CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 63-68		9
33	CHOICE OF RBF MODEL STRUCTURE FOR PREDICTING GREENHOUSE INSIDE AIR TEMPERATURE. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2002</b> , 35, 91-96		9
32	PVM-based intelligent predictive control of HVAC systems. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 371-376	0.7	7
31	A simple algorithm for convex hull determination in high dimensions <b>2013</b> ,		7
30	<b>2011</b> ,		7
29	Evolving RBF Predictive Models to Forecast the Portuguese Electricity Consumption. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 414-419		7
28	Application of computational intelligence methods to greenhouse environmental modelling <b>2008</b> ,		7
27	Discrete Model-Based Greenhouse Environmental Control using the Branch & Bound Algorithm. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 2937-2943		7
26	A neural-network based intelligent weather station <b>2015</b> ,		6
25	<b>2012</b> ,		6
24	Solar radiation prediction using RBF Neural Networks and cloudiness indices <b>2006</b> ,		6
23	Evaluation of LoRa Technology in Flooding Prevention Scenarios. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
22	Neural Network based HVAC Predictive Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 3617-3622		5
21	TRAINING NEURAL NETWORKS AND NEURO-FUZZY SYSTEMS: A UNIFIED VIEW. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2002</b> , 35, 415-420		4
20	DESIGN AND IMPLEMENTATION OF A REAL-TIME DATA ACQUISITION SYSTEM FOR THE IDENTIFICATION OF DYNAMIC TEMPERATURE MODELS IN A HYDROPONIC GREENHOUSE. <i>Acta Horticulturae</i> , <b>2000</b> , 191-198	0.3	4
19	Improving a neural networks based HVAC predictive control approach <b>2015</b> ,		3
18	A Comparison of Four Data Selection Methods for Artificial Neural Networks and Support Vector Machines. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 11227-11232	0.7	3
17	<b>2011</b> ,		3

16	MOGA Design of Temperature and Relative Humidity Models for Predictive Thermal Comfort.1. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 116-121		3
15	Improving the Identification of RBF Predictive Models to Forecast the Portuguese Electricity Consumption*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 208-213		3
14	Optimized Design of Neural Networks for a River Water Level Prediction System. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
13	Extending the functional training approach for B-splines <b>2012</b> ,		2
12	Forecasting the Portuguese Electricity Consumption using Least-Squares Support Vector Machines. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 411-416		2
11	Exploiting the functional training approach in Radial Basis Function networks <b>2011</b> ,		2
10	Cloud and Clear Sky Pixel Classification in Ground-Based All-Sky Hemispherical Digital Images*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 273-278		2
9	Neural networks assisted diagnosis of ischemic CVA <del>l</del> d through CT scan <b>2007</b> ,		2
8	Predicting the Greenhouse Inside Air Temperature with RBF Neural Networks. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2001</b> , 34, 67-72		2
7	Unsupervised entropy-based selection of data sets for improved model fitting <b>2016</b> ,		2
6	A Support Vector Machine Seismic Detector for Early-Warning Applications. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 405-410		1
5	Improving the Diagnosis of Ischemic CVA <del>l</del> d through CT Scan with Neural Networks <b>2007</b> ,		1
4	MOGA Design of Neural Network Predictors of Inside Temperature in Public Buildings. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 35-61	0.8	1
3	Exploiting the Functional Training Approach in Takagi-Sugeno Neuro-fuzzy Systems. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 543-559	0.4	1
2	Exploiting the functional training approach in B-Splines. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 127-132		
1	A New Convex Hull, Sliding Window Based Online Adaptation Method. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 211-216		1