Jaime Pacheco

List of Publications by Year
in descending order

54	814	471509 17	501196 28
papers	citations	h-index	g-index

54	54	54	989
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Convergent newton method and neural network for the electric energy usage prediction. Information Sciences, 2022, 585, 89-112.	6.9	45
2	Modified Linear Technique for the Controllability and Observability of Robotic Arms. IEEE Access, 2022, 10, 3366-3377.	4.2	36
3	Proactive Cross-Layer Framework Based on Classification Techniques for Handover Decision on WLAN Environments. Electronics (Switzerland), 2022, 11, 712.	3.1	1
4	The Regulation of an Electric Oven and an Inverted Pendulum. Symmetry, 2022, 14, 759.	2.2	27
5	A Fuzzy Logic Model for Hourly Electrical Power Demand Modeling. Electronics (Switzerland), 2021, 10, 448.	3.1	24
6	Transformed Structural Properties Method to Determine the Controllability and Observability of Robots. Applied Sciences (Switzerland), 2021, 11, 3082.	2.5	21
7	VSC-HVDC and Its Applications for Black Start Restoration Processes. Applied Sciences (Switzerland), 2021, 11, 5648.	2.5	6
8	Learning of operator hand movements via least angle regression to be teached in a manipulator. Evolving Systems, 2020, 11, 317-332.	3.9	26
9	A Luenberger-Like Observer for Multistable Kapitaniak Chaotic System. Complexity, 2020, 2020, 1-12.	1.6	2
10	Stabilization of Two Electricity Generators. Complexity, 2020, 2020, 1-13.	1.6	16
11	Movable and immovable magnets for two machines. International Journal of Applied Electromagnetics and Mechanics, 2020, 63, 229-248.	0.6	1
12	The Perturbations Estimation in Two Gas Plants. IEEE Access, 2020, 8, 83081-83091.	4.2	27
13	Novel Nonlinear Hypothesis for the Delta Parallel Robot Modeling. IEEE Access, 2020, 8, 46324-46334.	4.2	73
14	Genetic Algorithm with Radial Basis Mapping Network for the Electricity Consumption Modeling. Applied Sciences (Switzerland), 2020, 10, 4239.	2.5	28
15	MÃnimos Cuadrados Recursivos para un Manipulador que Aprende por DemostraciÃ³n. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 147.	1.0	9
16	Control of two Electrical Plants. Asian Journal of Control, 2018, 20, 1504-1518.	3.0	14
17	Fuzzy linear control of a hexarotor. , 2018, , .		0
18	On the Impossibility of Building a Thau Observer for a Nonlinear Model of an Induction Motor. IEEE Latin America Transactions, 2018, 16, 1870-1877.	1.6	0

#	Article	IF	Citations
19	Modeling of a HVAC system for clean rooms. IEEE Latin America Transactions, 2018, 16, 829-838.	1.6	0
20	Neural network updating via argument Kalman filter for modeling of Takagi-Sugeno fuzzy models. Journal of Intelligent and Fuzzy Systems, 2018, 35, 2585-2596.	1.4	56
21	A Fuzzy Algorithm for the Prediction of Future Data. IEEE Latin America Transactions, 2017, 15, 1361-1367.	1.6	2
22	Impulsive noise filtering using a Median Redescending M-Estimator. Intelligent Data Analysis, 2017, 21, 739-754.	0.9	4
23	Uniform stable radial basis function neural network for the prediction in two mechatronic processes. Neurocomputing, 2017, 227, 122-130.	5.9	30
24	Sliding Mode Regulator for the Perturbations Attenuation in Two Tank Plants. IEEE Access, 2017, 5, 20504-20511.	4.2	13
25	Comparison Between Two Observers. IEEE Latin America Transactions, 2016, 14, 2077-2084.	1.6	4
26	Disturbance Rejection in Two Mechatronic Systems. IEEE Latin America Transactions, 2016, 14, 485-492.	1.6	13
27	States Estimation in Two Mechanical Systems. IEEE Latin America Transactions, 2016, 14, 3159-3167.	1.6	1
28	Uniform stable observer for the disturbance estimation in two renewable energy systems. ISA Transactions, 2015, 58, 155-164.	5.7	43
29	Variable Structure Model of an Articulated Robotic Arm. IEEE Latin America Transactions, 2015, 13, 3794-3802.	1.6	3
30	Acquisition System and Analytic Fuzzy Model of a Manufactured Wind Turbine. IEEE Latin America Transactions, 2015, 13, 3879-3884.	1.6	3
31	Passivity analysis and modeling of robotic arms. IEEE Latin America Transactions, 2014, 12, 1389-1397.	1.6	15
32	Wind turbine modeling with an analytic algorithm. , 2014, , .		0
33	Mathematical model with sensor and actuator for a transelevator. Neural Computing and Applications, 2014, 24, 277-285.	5.6	6
34	Wind turbine modeling with the slopes algorithm. , 2014, , .		0
35	State estimation in MIMO nonlinear systems subject to unknown deadzones using recurrent neural networks. Neural Computing and Applications, 2014, 25, 693-701.	5.6	16
36	Identification and control of class of nonâ€linear systems with nonâ€symmetric deadzone using recurrent neural networks. IET Control Theory and Applications, 2014, 8, 183-192.	2.1	34

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37	Proportional Derivative Control with Inverse Dead-Zone for Pendulum Systems. Mathematical Problems in Engineering, 2013, 2013, 1-9.	1.1	17
38	Characterisation framework for epileptic signals. IET Image Processing, 2012, 6, 1227-1235.	2.5	14
39	System Identification Using Multilayer Differential Neural Networks: A New Result. Journal of Applied Mathematics, 2012, 2012, 1-20.	0.9	16
40	Trajectory planning and collisions detector for robotic arms. Neural Computing and Applications, 2012, 21, 2105-2114.	5.6	15
41	Robust fault diagnosis of disturbed linear systems via a sliding mode high order differentiator. International Journal of Control, 2012, 85, 648-659.	1.9	16
42	Uniformly Stable Backpropagation Algorithm to Train a Feedforward Neural Network. IEEE Transactions on Neural Networks, 2011, 22, 356-366.	4.2	79
43	Mathematical Model of Low-Pass Filters. Recent Patents on Engineering, 2011, 5, 155-162.	0.4	1
44	An Uniformly Stable Observer for Tire Friction Estimation During Braking Process. Recent Patents on Engineering, 2010, 4, 73-77.	0.4	0
45	Backpropagation to train an evolving radial basis function neural network. Evolving Systems, 2010, 1, 173-180.	3.9	28
46	Modeling of Four Nonlinear Electronic Circuits. Recent Patents on Electrical Engineering, 2010, 3, 35-42.	0.4	0
47	An evolving neuro-fuzzy recurrent network. , 2009, , .		0
48	Matching a system behavior with a known set of models: A quadratic optimizationâ€based adaptive solution. International Journal of Adaptive Control and Signal Processing, 2009, 23, 882-906.	4.1	4
49	An stable online clustering fuzzy neural network for nonlinear system identification. Neural Computing and Applications, 2009, 18, 633-641.	5.6	17
50	Modeling of the Relative Humidity and Control of the Temperature for a Bird Incubator. Advances in Intelligent and Soft Computing, 2009, , 369-377.	0.2	1
51	Detection and Following of a Face in Movement Using a Neural Network. Advances in Intelligent and Soft Computing, 2009, , 481-490.	0.2	0
52	A Transelevator Moving Inside of an Automatic Warehouse in Virtual Reality. Advances in Intelligent and Soft Computing, 2009, , 407-414.	0.2	0
53	An Sliding Mode Control for an Elbow Arm. Advances in Intelligent and Soft Computing, 2009, , 503-508.	0.2	0
54	Metastatic colon carcinoma to oral soft tissues. Special Care in Dentistry, 1992, 12, 172-173.	0.8	7