

Jaime Pacheco

List of Publications by Year in descending order

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54
papers

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citations

471509

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54
all docs

54
docs citations

54
times ranked

989
citing authors

#	ARTICLE	IF	CITATIONS
1	Uniformly Stable Backpropagation Algorithm to Train a Feedforward Neural Network. IEEE Transactions on Neural Networks, 2011, 22, 356-366.	4.2	79
2	Novel Nonlinear Hypothesis for the Delta Parallel Robot Modeling. IEEE Access, 2020, 8, 46324-46334.	4.2	73
3	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
4	Convergent newton method and neural network for the electric energy usage prediction. Information Sciences, 2022, 585, 89-112.	6.9	45
5	Uniform stable observer for the disturbance estimation in two renewable energy systems. ISA Transactions, 2015, 58, 155-164.	5.7	43
6	Modified Linear Technique for the Controllability and Observability of Robotic Arms. IEEE Access, 2022, 10, 3366-3377.	4.2	36
7	Identification and control of class of non-linear systems with non-symmetric deadzone using recurrent neural networks. IET Control Theory and Applications, 2014, 8, 183-192.	2.1	34
8	Uniform stable radial basis function neural network for the prediction in two mechatronic processes. Neurocomputing, 2017, 227, 122-130.	5.9	30
9	Backpropagation to train an evolving radial basis function neural network. Evolving Systems, 2010, 1, 173-180.	3.9	28
10	Genetic Algorithm with Radial Basis Mapping Network for the Electricity Consumption Modeling. Applied Sciences (Switzerland), 2020, 10, 4239.	2.5	28
11	The Perturbations Estimation in Two Gas Plants. IEEE Access, 2020, 8, 83081-83091.	4.2	27
12	The Regulation of an Electric Oven and an Inverted Pendulum. Symmetry, 2022, 14, 759.	2.2	27
13	Learning of operator hand movements via least angle regression to be taught in a manipulator. Evolving Systems, 2020, 11, 317-332.	3.9	26
14	A Fuzzy Logic Model for Hourly Electrical Power Demand Modeling. Electronics (Switzerland), 2021, 10, 448.	3.1	24
15	Transformed Structural Properties Method to Determine the Controllability and Observability of Robots. Applied Sciences (Switzerland), 2021, 11, 3082.	2.5	21
16	An stable online clustering fuzzy neural network for nonlinear system identification. Neural Computing and Applications, 2009, 18, 633-641.	5.6	17
17	Proportional Derivative Control with Inverse Dead-Zone for Pendulum Systems. Mathematical Problems in Engineering, 2013, 2013, 1-9.	1.1	17
18	System Identification Using Multilayer Differential Neural Networks: A New Result. Journal of Applied Mathematics, 2012, 2012, 1-20.	0.9	16

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Stabilization of Two Electricity Generators. Complexity, 2020, 2020, 1-13.	1.6	16
22	Trajectory planning and collisions detector for robotic arms. Neural Computing and Applications, 2012, 21, 2105-2114.	5.6	15
23	Passivity analysis and modeling of robotic arms. IEEE Latin America Transactions, 2014, 12, 1389-1397.	1.6	15
24	Characterisation framework for epileptic signals. IET Image Processing, 2012, 6, 1227-1235.	2.5	14
25	Control of two Electrical Plants. Asian Journal of Control, 2018, 20, 1504-1518.	3.0	14
26	Disturbance Rejection in Two Mechatronic Systems. IEEE Latin America Transactions, 2016, 14, 485-492.	1.6	13
27	Sliding Mode Regulator for the Perturbations Attenuation in Two Tank Plants. IEEE Access, 2017, 5, 20504-20511.	4.2	13
28	Mnimos Cuadrados Recursivos para un Manipulador que Aprende por Demostraci3n. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 147.	1.0	9
29	Metastatic colon carcinoma to oral soft tissues. Special Care in Dentistry, 1992, 12, 172-173.	0.8	7
30	Mathematical model with sensor and actuator for a transelevator. Neural Computing and Applications, 2014, 24, 277-285.	5.6	6
31	VSC-HVDC and Its Applications for Black Start Restoration Processes. Applied Sciences (Switzerland), 2021, 11, 5648.	2.5	6
32	Matching a system behavior with a known set of models: A quadratic optimization-based adaptive solution. International Journal of Adaptive Control and Signal Processing, 2009, 23, 882-906.	4.1	4
33	Comparison Between Two Observers. IEEE Latin America Transactions, 2016, 14, 2077-2084.	1.6	4
34	Impulsive noise filtering using a Median Redescending M-Estimator. Intelligent Data Analysis, 2017, 21, 739-754.	0.9	4
35	Variable Structure Model of an Articulated Robotic Arm. IEEE Latin America Transactions, 2015, 13, 3794-3802.	1.6	3
36	Acquisition System and Analytic Fuzzy Model of a Manufactured Wind Turbine. IEEE Latin America Transactions, 2015, 13, 3879-3884.	1.6	3

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37	A Fuzzy Algorithm for the Prediction of Future Data. IEEE Latin America Transactions, 2017, 15, 1361-1367.	1.6	2
38	A Luenberger-Like Observer for Multistable Kapitaniak Chaotic System. Complexity, 2020, 2020, 1-12.	1.6	2
39	States Estimation in Two Mechanical Systems. IEEE Latin America Transactions, 2016, 14, 3159-3167.	1.6	1
40	Movable and immovable magnets for two machines. International Journal of Applied Electromagnetics and Mechanics, 2020, 63, 229-248.	0.6	1
41	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
42	Mathematical Model of Low-Pass Filters. Recent Patents on Engineering, 2011, 5, 155-162.	0.4	1
43	Proactive Cross-Layer Framework Based on Classification Techniques for Handover Decision on WLAN Environments. Electronics (Switzerland), 2022, 11, 712.	3.1	1
44	An evolving neuro-fuzzy recurrent network. , 2009, , .		0
45	An Uniformly Stable Observer for Tire Friction Estimation During Braking Process. Recent Patents on Engineering, 2010, 4, 73-77.	0.4	0
46	Modeling of Four Nonlinear Electronic Circuits. Recent Patents on Electrical Engineering, 2010, 3, 35-42.	0.4	0
47	Wind turbine modeling with an analytic algorithm. , 2014, , .		0
48	Wind turbine modeling with the slopes algorithm. , 2014, , .		0
49	Fuzzy linear control of a hexarotor. , 2018, , .		0
50	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
51	Modeling of a HVAC system for clean rooms. IEEE Latin America Transactions, 2018, 16, 829-838.	1.6	0
52	Detection and Following of a Face in Movement Using a Neural Network. Advances in Intelligent and Soft Computing, 2009, , 481-490.	0.2	0
53	A Transelevator Moving Inside of an Automatic Warehouse in Virtual Reality. Advances in Intelligent and Soft Computing, 2009, , 407-414.	0.2	0
54	An Sliding Mode Control for an Elbow Arm. Advances in Intelligent and Soft Computing, 2009, , 503-508.	0.2	0