

Carlos E Castañeda

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Design and Implementation of a Real Time Control System for a 2DOF Robot Based on Recurrent High Order Neural Network Using a Hardware in the Loop Architecture. Applied Sciences (Switzerland), 2021, 11, 1154.	1.3	3
2	Real-Time Sensorless Robust Velocity Controller Applied to a DC-Motor for Emulating a Wind Turbine. Energies, 2021, 14, 868.	1.6	4
3	Electronic locking devices based on microcontrollers and chaotic maps using Model-Matching Control. Microprocessors and Microsystems, 2021, 86, 104338.	1.8	2
4	Data gaps and degraded space-time resolution for modal decomposition: A compensator approach. Electric Power Systems Research, 2021, 199, 107384.	2.1	0
5	Port-Hamiltonian Mathematical Model of a Fluid Ring Attitude System. Energies, 2021, 14, 6906.	1.6	0
6	Design of a Neural Super-Twisting Controller to Emulate a Flywheel Energy Storage System. Energies, 2021, 14, 6416.	1.6	3
7	Super-Twisting Algorithm Applied to Velocity Control of DC Motor without Mechanical Sensors Dependence. Energies, 2020, 13, 6041.	1.6	4
8	Statistical inference of multivariable modal stability margins of time-delay perturbed power systems. Electric Power Systems Research, 2020, 181, 106186.	2.1	2
9	Method to generate a large cohort in-silico for type 1 diabetes. Computer Methods and Programs in Biomedicine, 2020, 193, 105523.	2.6	2
10	Experimental Study of Double-Acting Pneumatic Cylinder. Experimental Techniques, 2020, 44, 355-367.	0.9	7
11	Real-Time Implementation of a Neural Integrator Backstepping Control via Recurrent Wavelet First Order Neural Network. Neural Processing Letters, 2019, 49, 1629-1648.	2.0	9
12	Neural Block Control via Integrator Backstepping for a Robotic Arm in Real-Time. Neural Processing Letters, 2019, 49, 1139-1155.	2.0	1
13	Design and implementation of a jerk circuit using a hybrid analog-digital system. Chaos, Solitons and Fractals, 2019, 119, 255-262.	2.5	13
14	Synchronization of complex networks of identical and nonidentical chaotic systems via model-matching control. PLoS ONE, 2019, 14, e0216349.	1.1	16
15	Discrete-time neural synchronization between an Arduino microcontroller and a Compact Development System using multiscroll chaotic signals. Chaos, Solitons and Fractals, 2019, 119, 269-275.	2.5	20
16	Empirical estimation approach to the study of inter-area resonance interactions in power systems. Electric Power Systems Research, 2019, 169, 150-161.	2.1	1
17	Real-Time SOSM Super-Twisting Combined With Block Control for Regulating Induction Motor Velocity. IEEE Access, 2018, 6, 25898-25907.	2.6	26
18	The Squirrel-Cage Induction Motor Model and Its Parameter Identification Via Steady and Dynamic Tests. Electric Power Components and Systems, 2018, 46, 302-315.	1.0	8

#	ARTICLE	IF	CITATIONS
19	Linear Time-Varying Luenberger Observer Applied to Diabetes. IEEE Access, 2018, 6, 23612-23625.	2.6	8
20	Real-Time Decentralized Neural Control via Backstepping for a Robotic Arm Powered by Industrial Servomotors. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 419-426.	7.2	17
21	Distributed oscillation damping estimation to large scale power systems: A multi-area online empirical approach. Electric Power Systems Research, 2017, 147, 1-9.	2.1	2
22	Reduced-order equivalent model to large power networks derived from its spectral dispersion. Electric Power Systems Research, 2017, 143, 244-251.	2.1	3
23	A Real-Time SOSM Super-Twisting Technique for a Compound DC Motor Velocity Controller. Energies, 2017, 10, 1286.	1.6	13
24	A discrete-time chaos synchronization system for electronic locking devices. European Physical Journal: Special Topics, 2016, 225, 2655-2667.	1.2	3
25	Decentralized control scheme for a photovoltaic system connected to the utility grid. , 2016, , .		0
26	Recurrent Neural Identification on Xilinx system generator using V7 FPGA for a 2DOF robot manipulator. , 2016, , .		1
27	A Dual Neural Network as an Identifier for a Robot Arm. International Journal of Advanced Robotic Systems, 2015, 12, 40.	1.3	3
28	Real-Time Results for High Order Neural Identification and Block Control Transformation Form Using High Order Sliding Modes. Asian Journal of Control, 2015, 17, 2435-2451.	1.9	4
29	Partitioned modal extraction applied to power system wide-area measurements using empirical orthogonal functions. Electric Power Systems Research, 2015, 123, 185-191.	2.1	6
30	Spatio-temporal statistical identification methodology applied to wide-area monitoring schemes in power systems. Electric Power Systems Research, 2014, 111, 52-61.	2.1	6
31	Real-time torque control using discrete-time recurrent high-order neural networks. Neural Computing and Applications, 2013, 22, 1223-1232.	3.2	9
32	Space-spectrum empirical model for unmasking modal components contained into space-time varying data measurements. , 2013, , .		1
33	Discrete-Time Neural Sliding-Mode Block Control for a DC Motor With Controlled Flux. IEEE Transactions on Industrial Electronics, 2012, 59, 1194-1207.	5.2	55
34	Stochastic Control of a Quadrotor. , 2012, , .		3
35	Decentralized neural identifier and control for nonlinear systems based on extended Kalman filter. Neural Networks, 2012, 31, 81-87.	3.3	22
36	Continuous-Time Neural Identification for a 2 DOF Vertical Robot Manipulator. , 2011, , .		7

#	ARTICLE	IF	CITATIONS
37	Continuous-time neural control for a 2 DOF vertical robot manipulator. , 2011, , .		3
38	Direct current motor control based on high order neural networks using stochastic estimation. , 2010, , .		5
39	Position control of dc motor based on recurrent high order neural networks. , 2010, , .		6
40	Real-time torque control for a DC motor using recurrent high order neural networks. , 2009, , .		0
41	Discrete-time recurrent neural DC motor control using Kalman learning. , 2008, , .		11